



Pediatric Training Opportunities



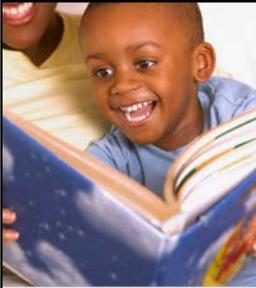
In order to assist Idaho EMS providers in finding education opportunities to fulfill this requirement, the Idaho EMSC Program has compiled the following list. ***Please note that this document is provided for informational purposes only. The Bureau does not require providers to take the training courses below; nor does the Bureau recommend any one over another on this list. These training resources are listed purely as a courtesy to providers seeking pediatric continuing education.*** Click on the icons below or scroll to browse the list. This document is frequently updated and can be found online at www.idahoems.org (click on the 'EMS for Children' link).



EMSC State Partnership Grant Developed Education

The icon shows a close-up of a hand holding a small blue teddy bear. The bear has the EMSC logo on its chest. The background is a soft, out-of-focus light color.

Online Courses

The icon shows a young child sitting on a desk, looking at a computer monitor. The child is wearing a white shirt. The background is a plain light blue wall.

Articles

The icon shows a young child smiling and reading a book. The child is wearing a blue shirt. The background is a soft, out-of-focus light color.

Nationally Recognized Courses

The icon shows a young child sitting at a desk, resting their chin on their hand. The child is wearing a pink shirt. The background is a soft, out-of-focus light color.



EMSC State Partnership Grant Developed Education

| Name | Description | Cost | Website |
|---|---|---|---|
| EMS for Children Online Training Program <i>(New Mexico)</i> | Module Series with currently 9 modules available primarily for pre-hospital EMS personnel's scope of practice, however, can benefit all healthcare providers. <ul style="list-style-type: none"> • Pediatric Seizures • Diabetes in Children • Blunt Chest Trauma • Methamphetamine in Children • Children with Special Health Care Needs – Down Syndrome • Children with Special Health Care Needs – Technology Dependent Children • Child Abuse – Shaken Baby Syndrome • Poisoning – Toxic Exposure • Adrenal Crisis and EMS | Taking the modules is free. \$5 to obtain CECBEMS approved CE. | http://hsc.unm.edu/emersed/PED/emsc/trainin/g/course.shtml |
| Pediatric Emergencies <i>(New Mexico)</i> | This is an exciting virtual online course for all healthcare providers that presents pediatric emergencies. It is a companion course to <i>A Multi-Systems Approach to Pediatric Trauma</i> , but differs in that education focuses on emergency care for the ill child. The course is also scenario based with streaming video, rich multimedia and interactive instruction. <ul style="list-style-type: none"> • Use of the Pediatric Length Based Resuscitation Tape in a Status Epilepticus Scenario | Taking the modules is free. \$5 to obtain CECBEMS approved CE. | http://hsc.unm.edu/emersed/PED/education/pedEmer/pedEmer.shtml |
| A Multi-Systems Approach to Pediatric Trauma <i>(New Mexico)</i> | This is true "edutainment" with streaming video, rich multi-media and interactive instruction. Each module presents a different facet of the Multi-Systems Approach and how they interface and interact together to medically treat the pediatric trauma patient. <ul style="list-style-type: none"> • Pediatric Head Neck & Spine Trauma – Part 1 & 2 • Pediatric Abdomen & Chest Trauma – Part 1, 2, & 3 • Pediatric Multiple Patient Incidents • Pediatric Musculoskeletal Trauma – Part 1 | Taking the modules is free. \$5 to obtain CECBEMS approved CE. | http://hsc.unm.edu/emersed/PED/education/pedsTrauma/pedsTrauma.shtml |

EMSC State Partnership Grant Developed Education (continued)

| Name | Description | Cost | Website |
|--|--|---|---|
| Virtual School Nurse and EMS Course <i>(New Mexico)</i> | A School Nurse Emergency Preparedness course with 15 modules. These modules utilize streaming video technology that provide exciting and enhanced learning. <ul style="list-style-type: none"> • Emergency Preparedness Program Planning • School Nurse & EMS Continuum of Care • School Emergency Preparedness and Medical Response Plans • Assessment and Triage • Special Emergencies and Gadgets • Skill Module – Emergency Care of the Airway • Skill Module – Emergency Care of the Spine – Part 1 & 2 • Skill Module – Musculoskeletal Emergency Care – Part 1 & 2 • Skill Module – Patient Assessments • Scenario Module – Series 1, 2, 3 & 4 | Taking the modules is free. \$5 to obtain CECBEMS approved CE. | http://hsc.unm.edu/emersed/PED/school_rn/school_rn.shtml |
| Acute Assessment & Management of Pediatric Trauma <i>(Washington)</i> | This curriculum is designed primarily for inpatient providers (physicians and nurses) of early care to injured children. However, the curriculum is also of potential value to all pediatric trauma care providers, both in the inpatient and prehospital settings. This curriculum consists of 7 independent modules, each focused on a specific, key topic in pediatric trauma care. Each module contains a 5-question post-test, and can be completed in approximately one hour (i.e., the entire curriculum can be completed in 7 hours or less). The curriculum does not have to be completed in a single setting. <ul style="list-style-type: none"> • Initial Stabilization & Transfer of Pediatric Trauma • Pediatric Airway & Breathing • Pediatric Shock, including vascular access • Pediatric Head Injuries • Pediatric Blunt Abdominal & Chest Trauma • Pediatric Sedation & Analgesia • Complication of Pediatric Multi-Organ Trauma & Other Injuries (Drowning, Burns) | Free | http://depts.washington.edu/pedtraum/ |

EMSC State Partnership Grant Developed Education (continued)

| Name | Description | Cost | Website |
|--|---|------|---|
| Children with Special Health Care Needs <i>(Georgia)</i> | Designed to educate providers on the essential information needed when presented with a child with special needs. <i>Instructor & Provider Manual</i> | Free | http://ems.ga.gov/programs/ems/emsc/cws/hcn.asp |
| Pediatric Skills and Scenario Based Assessment for the First Responder <i>(Georgia)</i> | Provides for the further development of practical skills when providing care for pediatric patients. <i>Instructor Guidelines, Manuals, & Pretests</i> | Free | http://ems.ga.gov/programs/ems/emsc/pediatricskills.asp |
| Pediatric Moderate Sedation Education Module <i>(Illinois)</i> | Highlights the principles and standards underlying safe & effective pediatric moderate sedation, review commonly used sedating/analgesic agents, review potential pediatric complications, highlight adjuncts to sedation, and encourage healthcare organizations assess and improve their own pediatric moderate sedation processes. <i>Full PowerPoint slide set</i> | Free | http://www.luhs.org/depts/emsc/maphtcm/odsed/modsed_slide_show_offline.ppt |
| Pediatric Mild Traumatic Head Injury <i>(Illinois)</i> | The purpose of this educational module is to enhance the care of pediatric patients who present with mild traumatic head injury. It will discuss a number of topic including: <ul style="list-style-type: none"> • Assessment • Management • Disposition & Patient Education • Complications <i>Approximately 1 hour</i> | Free | http://www.luhs.org/depts/emsc/pmthi_narrated_web.htm |
| Pediatric Trauma Training Self-Study Module <i>(Alaska)</i> | Developed from sections of the Alaska Pediatric Prehospital Emergency Course. The course is based on the original course developed by the Washington State EMSC Grant Project, using expertise from EMTs, paramedics, pediatricians, and EMS medical advisors. <i>PDF</i> | Free | http://www.chems.alaska.gov/EMS/EMSC_Downloads.htm |
| Caring for the Pediatric Brain <i>(Oregon)</i> | Archived webinars and upcoming live webinars on EMS/Trauma and other topics. CE certificates available for those who watch live webinars, CE credit for watching recorded webinars is similar to reading journal articles. <i>Recorded PowerPoint presentation with slides and handout 1 hr 15 min</i> | Free | http://www.ohsu.edu/xd/outreach/oregon-rural-health/resources/webinars.cfm |

EMSC State Partnership Grant Developed Education (continued)

| Name | Description | Cost | Website |
|--|---|------|---|
| Pediatric Airway Management and Respiratory Distress Self-Study Module <i>(Alaska)</i> | Developed from sections of the Alaska Pediatric Prehospital Emergency Course. The course was originally developed by the Washington State Emergency Medical Services for Children Grant Project, using expertise from EMTs, paramedics, pediatricians, and EMS medical advisors. That course was then “Alaskanized” by adding or substituting information unique or appropriate to Alaska by EMS experts for the Alaska State EMSC Grant Project. <i>PDF</i> | Free | http://www.chems.alaska.gov/EMS/EMSC_Downloads.htm |
| Pediatric Terrorism Online Awareness-Level Training <i>(Kentucky)</i> | Target Audience: Federal, state and local emergency public safety, law enforcement, emergency response, emergency medical (including hospital emergency facilities), and related personnel, agencies, and authorities. The course material provides a basic understanding of terrorism from a pediatric perspective. | Free | http://www.kiprc.uky.edu/trap/peds/course.swf |
| Here to Help: Proper Child Restraints in Emergency Vehicles <i>(South Carolina)</i> | Targeting prehospital providers, this 60-minute program addresses the importance of restraining children when being transported in an ambulance and demonstrates the use of a variety of child restraint devices. | Free | http://www.ncems.org/pediatric-transport/ |

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Online Courses

| Name | Description | Cost | Website |
|--|--|-----------------------------------|--|
| Pediatric Disaster Planning and Preparedness <i>(EMSC National Resource Center)</i> | Primarily targeting emergency management officials, EMS responders, hospital personnel, and school management personnel, this course includes five modules: Why Disaster Planning for Children Is Needed; Accessing Community Risk for Disasters Involving Children; Preparing the Community for Disasters Involving Children; Responding to Disasters Involving Children (Assessment/Triage); and Responding to Disasters Involving Children (Resuscitation/Treatment.) | Free | http://uat.dcchildrens.com/chexwizarding/pediatricdisasterwbtprogram/index.html |
| LEARN: Rhythm Pediatric <i>(AHA)</i> | This course is aimed at all healthcare providers, especially those preparing for a Pediatric Advanced Life Support (PALS) course. It is designed to teach basic pediatric rhythm recognition skills, the relationship between the electrocardiogram (ECG) strip and heart impulses and how to identify and distinguish between common pediatric arrhythmias. The course employs a variety of different educational approaches, including interactive activities, animation, audio, and self-assessment portions. | \$34.95 for 2 CECBEMS Approved CE | http://www.onlineaha.org/index.cfm?fuseaction=info.pals . |
| Acute Assessment & Management of Pediatric Trauma <i>(Harborview Medical Center – Washington)</i> | This curriculum is designed primarily for inpatient providers (physicians and nurses) of early care to injured children. However, the curriculum is also of potential value to all pediatric trauma care providers, both in the inpatient and prehospital settings. 7 separate modules: <ul style="list-style-type: none"> • Initial Stabilization & Transfer of Pediatric Trauma • Pediatric Airway & Breathing • Pediatric Shock, Including Vascular Access • Pediatric Head Injuries • Pediatric Blunt Abdominal & Chest Trauma • Pediatric Sedation & Analgesia • Complications of Pediatric Multi-Organ Trauma & Other Injuries (Drowning, Burns) | Free | http://depts.washington.edu/pedtraum/ |
| Pediatric Trauma <i>(Providence Sacred Heart Medical Center & Children's Hospital)</i> | A presentation on the causes, assessment and treatment of selected pediatric trauma patients. CE certificate unavailable from Providence Sacred Heart. Consult your Training Officer to see if he or she will issue you a certificate for this activity. (1 hour) | Free | http://mediasite.shmc.org/Mediasite/Viewer/?poid=ddaffc723e744b23aa0eed51ce9e25d31d Contact the Idaho EMSC Program for login information for this course. |

Online Courses (continued)

| Name | Description | Cost | Website |
|--|--|--|---|
| EMS & Tracheostomy <i>(University of Wisconsin-Madison)</i> | The objectives of this presentation are to: <ul style="list-style-type: none"> • Become familiar with the different tracheostomy tubes • Identify common tracheostomy emergencies • Review EMS management of tracheostomy emergencies • Demonstrate suctioning and changing a tracheostomy tube (1 hour 7 minutes) | Free | http://videos.med.wisc.edu/videoInfo.php?videoId=798 |
| Understanding & Planning for School Bomb Incidents <i>(New Mexico Tech)</i> | The objectives of this presentation are to: <ul style="list-style-type: none"> • Warning signs of aggressive student behavior • Threat assessment & critical bomb threat response actions • Recognition of improvised (homemade) explosive devices • Effective school bomb threat response plans (4 hours) | Free | http://campus.emrtc.nmt.edu/campus/index.k2 |
| EmCert.com | Provides e-learning, self-study CE programs for EMS & Fire/Rescue professionals: <ul style="list-style-type: none"> • Assessment • Asthma • Poisoning • Trauma for Two – Trauma in Pregnancy | \$20-\$100 depending on membership level | http://www.emcert.com/default.aspx |
| Pediatric Assessment <i>(Emergency Medicine Learning & Resource Center – Florida)</i> | Objectives include: <ul style="list-style-type: none"> • List three growth and development characteristics for infants, toddlers, school age children, and adolescents. • Describe two techniques for successful evaluation of infants, toddlers, school age children, and adolescents. • State two special concerns in the care of the developmentally challenged child. • List three common responses of distressed families to acute childhood illness and injury. • State the three elements of the Pediatric Assessment Triangle. • Relate three methods to assess appearance. • Name the components of the mnemonic AEIOU-TIPS. • Explain the use of a body movement assessment in the pediatric neurological assessment. (1 hour) | \$10 | http://www.emlrc.org/onlinece/courses/pediatric-assessment/ |

Online Courses (continued)

| Name | Description | Cost | Website |
|---|---|---|---|
| Pediatric Respiratory Emergencies <i>(Emergency Medicine Learning & Resource Center – Florida)</i> | Objectives: <ul style="list-style-type: none"> • Understand the different levels of respiratory status during a respiratory emergency. • Understand how to use the Pediatric Assessment Triangle. • Understand the assessment of a typical respiratory emergency. • Provide treatment for a typical respiratory emergency. • Understand the medical conditions of croup, epiglottitis, asthma, pneumonia, and bronchiolitis. • Understand the medications racemic epinephrine, dexamethasone, albuterol, atrovent, and epinephrine. • Understand the process of intubation and percutaneous transtracheal ventilation. (1 hour) | \$10 | http://www.emlrc.org/onlinece/courses/pediatric_respiratory_emergencies/ |
| Emergency Childbirth <i>(Emergency Medicine Learning & Resource Center – Florida)</i> | Objectives: <ul style="list-style-type: none"> • Explain the process for performance of a physical exam of the pregnant patient. • Identify the normal pathophysiological changes associated with pregnancy and what preparations should be made for an emergency childbirth. • Describe the three stages of labor and assisting procedure for a normal birth process • Describe the procedure for: cutting the umbilical cord; delivery of the placenta; assisting with breech childbirth; assisting with a shoulder dystocia childbirth; assisting with a limb presentation childbirth; assisting with a prolapsed cord during childbirth; assisting with multiple fetus childbirth; and for treating postpartum hemorrhage. (1 hour) | \$10 | http://www.emlrc.org/onlinece/courses/emergency_childbirth/ |
| HealthStream | Provides training and online CE to EMS professionals: <ul style="list-style-type: none"> • An Introduction to Congenital Cardiovascular Disorders • Assessment and Care during the First Four Weeks of Life • Assessment and Management of the Pediatric Patient • Children with Special Health Care Needs | \$29-\$69 depending on membership level | http://www.healthstream.com/crsLib/ems.htm |

Online Courses (continued)

| Name | Description | Cost | Website |
|---|--|---|---|
| Sudden Infant Death Syndrome (SIDS) <i>(Emergency Medicine Learning & Resource Center – Florida)</i> | Objectives: <ul style="list-style-type: none"> • Define SIDS. • Describe the general population characteristics of a probable SIDS infant. • Describe the common physical characteristics of a probable SIDS infant. • Describe the typical scenario of a probable SIDS. • Identify important actions which should be initiated by an emergency responder. • Identify potential responses of parents to an infant death and emergency responders to an infant death. • Identify common signs & symptoms of Critical Incident Stress (CIS). • Identify strategies for decreasing the impact of Critical Incident Stress (CIS). • Identify community resources available to parents. (1 hour) | \$10 | http://www.emlrc.org/onlinece/courses/sids/ |
| CE Solutions | Read the article, and take the quiz at the end. Receive a passing score, and you'll receive a continuing education certificate. <ul style="list-style-type: none"> • Child Abuse • Febrile Seizure Management • Neonatal Emergencies • Neonatal Emergencies – Basic • Abdominal Injuries • Burns • Cardiac Arrest • Environmental Emergencies: Hypothermia • Poisoning • Shock • RSV | \$25-\$100 depending on registration level | http://www.ems-ce.com/ |
| Pediatric Assessment – Part One | Podcast – This episode is part one of a two-part series on assessing pediatric patients. The first module is designed to help healthcare providers with aspects of patient assessment within the unique requirements of the pediatric population. (35 Minutes) | \$22.95 for online access to content and CE | http://www.jblearning.com/catalog/9780763750046/ |
| Pediatric Assessment – Part Two | Podcast – In part two of a two-part series on pediatric assessment, healthcare providers learn how to gather an appropriate history and conduct an effective physical examination for pediatric patients. (30 Minutes) | \$22.95 for online access to content and CE | http://www.jblearning.com/catalog/9780763750053/ |

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Articles

Articles

| Name | Description | Cost | Website |
|---|--|---|---|
| Beyond the Basics: Trauma During Pregnancy <i>(EMSWorld.com and RapidCE.com)</i> | Objectives: <ul style="list-style-type: none"> Review epidemiology of trauma in pregnant women Discuss anatomic changes during pregnancy Review management of the pregnant trauma patient | Free to read. \$6.95 to obtain CECBEMS approved CE. | http://www.emsresponder.com/features/article.jsp?siteSection=0&id=9048 |
| Severe Pediatric Traumatic Brain Injury <i>(EMSWorld.com and RapidCE.com)</i> | Objectives: <ul style="list-style-type: none"> Discuss epidemiology of brain injuries Review prehospital assessment and treatment of brain injuries Discuss research findings related to TBI care in pediatric patients | Free to read. \$6.95 to obtain CECBEMS approved CE. | http://www.emsresponder.com/print/EMS-Magazine/Severe-Pediatric-Traumatic-Brain-Injury/1\$10463 |
| Febrile Seizures <i>(EMSWorld.com and RapidCE.com)</i> | Objectives: <ul style="list-style-type: none"> Discuss frequency of febrile seizures Review assessment of the febrile seizure patient Outline prehospital care of the febrile seizure patient | Free to read. \$6.95 to obtain CECBEMS approved CE. | http://www.emsresponder.com/print/EMS-Magazine/CE-Article---Febrile-Seizures/1\$12984 |
| Pediatric Drug Administration <i>(EMSWorld.com and RapidCE.com)</i> | Objectives: <ul style="list-style-type: none"> Review anatomical and physiological features of pediatric patients that influence drug administration Discuss pediatric pain management | Free to read. \$6.95 to obtain CECBEMS approved CE. | http://emsresponder.com/print/EMS-Magazine/CE-Article---Pediatric-Drug-Administration/1\$13439 |
| High School Sports Injuries <i>(EMSWorld.com and RapidCE.com)</i> | Objectives: <ul style="list-style-type: none"> Discuss the frequency and significance of carotid artery dissection Explain the pathophysiology of carotid artery dissection Identify how to associate carotid artery dissection with prior neck injury Highlight the prevalence of mild traumatic brain injury in high school sports Explain assessment and prehospital management of mild traumatic brain injury | Free to read. \$6.95 to obtain CECBEMS approved CE. | http://emsresponder.com/print/EMS-Magazine/CE-Article---High-School-Sports-Injuries/1\$14546 |

Articles (continued)

| Name | Description | Cost | Website |
|---|--|--|---|
| Prescription for Danger <i>(EMSWorld.com and RapidCE.com)</i> | Objectives: <ul style="list-style-type: none"> • Review the incidences of teenage prescription drug abuse • Discuss risk factors for drug abuse • Review prehospital assessment and management of teenage prescription drug abusers • Discuss drug isolation and long-term management of these patients. | Free to read. \$6.95 to obtain CECBEMS approved CE. | http://www.emsworld.com/features/article.jsp?siteSection=0&id=15485 |
| EMS Management of Catastrophic Cheerleading Injuries <i>(EMSWorld.com and RapidCE.com)</i> | Objectives: <ul style="list-style-type: none"> • Outline cheerleader injury rates • Discuss mechanism of injury • Review trauma triage • Discuss spinal cord injury management • Explain assessment and prehospital management of traumatic brain injuries | Free to read. \$6.95 to obtain CECBEMS approved CE. | http://www.emsworld.com/article/10319206/ems-management-of-catastrophic-cheerleading-injuries |
| Fever in the Neonate and Young Infant <i>(EMSWorld.com and RapidCE.com)</i> | Objectives: <ul style="list-style-type: none"> • Review maintenance of normal body temperature, purpose of fever, and development of the immune system • Discuss assessment and management of the neonate and young infant with fever. | Free to read. \$6.95 to obtain CECBEMS approved CE. | http://www.emsworld.com/article/10318728/fever-in-the-neonate-and-young-infant |
| Pediatric Airway Maintenance <i>(JEMS)</i> | Objectives: <ul style="list-style-type: none"> • Identify the primary cause of cardiopulmonary arrest in children • Describe unique anatomic and physiologic features of the pediatric upper airway, and relate their significance to the management of pediatric airways • Identify benefits and drawbacks of mechanical ventilators and ventilation via bag-valve mask, and identify factors to consider when deciding which to use in the prehospital setting • Describe how mechanical ventilators work, including ventilator modes and volume- versus pressure-targeted delivery • Describe the steps taken when a ventilator-dependent patient's respiratory status begins to deteriorate | Free Not CECBEMS approved CE. | http://www.jems.com/article/patient-care/pediatric-airway-maintenance-c |
| Wheezing in the Pediatric Patient <i>(EMSWorld.com and RapidCE.com)</i> | Objectives: <ul style="list-style-type: none"> • Describe the pathophysiology of bronchiolitis and list signs and symptoms • Describe the treatment of a patient with bronchiolitis • Describe the pathophysiology of asthma and list signs and symptoms • Describe the treatment of a patient with asthma • Describe the similarities and differences between the pathophysiology of bronchiolitis and asthma • Discuss the epidemiological characteristics of bronchiolitis and asthma | Free to read. \$6.95 to obtain CECBEMS approved CE. | http://www.emsworld.com/print/EMS-World/CE-Article--Wheezing-in-the-Pediatric-Patient-/1\$15679 |

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Nationally Recognized Courses

| Name | Description | Cost | Contact |
|--------------------------------|---|--------|--|
| Emergency Pediatric Care (EPC) | Developed by NAEMT, this program is for prehospital practitioners committed to providing quality care for pediatric patients. Course lectures and interactive sessions address assessment; airway, breathing and circulation; understanding and caring for children; hypoperfusion and shock; cardiac emergencies and congenital cardiac defects, common medical emergencies, trauma, newborn resuscitation, vascular access, care team management, spinal motion restriction, children with special health-care needs, identification of life threats, scene choreography, transport decisions, and child abuse and neglect. | Varies | Contact the Idaho EMSC Program to schedule an EPC course in your area. |
| Emergency Pediatric Care (EPC) | To be held in conjunctions with the North Idaho Emergency Services Academy in Post Falls, Idaho, April 20-22, 2012. | Free | See their flyer for more details and registration information at www.idahoems.org under the EMSC Tile, under Resources/Training. |

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Federal EMSC Program: <http://bolivia.hrsa.gov/emsc/>