


**NASEMSO National  
Model EMS Clinical  
Guidelines – Version 2.0**

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**IOM Recommendation**

- *The Future of Emergency Care: Emergency Medical Services at the Crossroads* (Institute of Medicine report released in 2007)
- “NHTSA, in partnership with professional organizations, should convene a panel of individuals with multidisciplinary expertise to develop evidence-based model prehospital care protocols for the treatment, triage, and transport of patients.”



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**History and Purpose - “The Acorn”**

- 2007 IOM report gives rise to NHTSA’s Evidence-Based Guidelines (EBG) process
  - GRADE methodology
- Initial NHTSA EBGs
  - Pediatric seizures
  - Pediatric respiratory emergencies
  - Prehospital pain management

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### History and Purpose - "The Acorn"

- NASEMSO Medical Directors Council
  - Informal discussion
  - Comparison with existing products
  - Refinement of ideas by core workgroup



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### Vision and Plan

- Resource: Non-mandatory, non-obligatory
- Patient-centric
- Evidence-based when available
- Consensus-based otherwise
- Diversely populated group for broad representation
- Inclusion of public comment from EMS community



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### First Edition

- **Inaugural edition released in September 2014**
- Requests for Word version: 88
- Downloads from NASEMSO website: 15,435
- Local, regional, military and international request for the Guidelines



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### Maintenance of Currency

- Interim update between first and second editions in order to accommodate the 2015 American Heart Association update



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### Second Edition

- **Version 2.0 Released on September 15, 2017**
- True to vision and plan
- Review and update of all previous guidelines/references
- Incorporation of newly developed evidence-based guidelines
- **Downloads of Version 2.0 (Sept - Nov 2017): 5,342**



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### New Guidelines in Version 2.0

- Abdominal Pain
- Active Shooter Incidents
- Airway/Respiratory Irritants
- Amputation
- Back Pain
- Cardiac Devices
- Crush Syndrome
- End-of-Life/Palliative Care
- Human Trafficking
- Hypertension
- Impaled Objects
- Riot Control Agents
- Sickle Cell Pain Crisis
- Termination of Resuscitative Efforts
- Tracheostomy/Laryngectomy



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### Data and Quality Improvement



- EMS Compass measures incorporated into the associated quality improvement measures
- Guidelines paired with associated NEMSIS Version 3 protocols (label and code)
- Universal Documentation Guideline



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### Next Steps

- Inform the EMS community about the Guidelines via conferences and media outlets
- Track utilization or adoption by the EMS community
- Seek feedback and identify solutions to address challenges faced by EMS systems to implement the Guidelines



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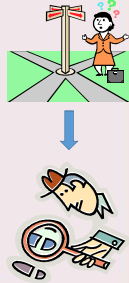
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### Current and Future Needs

- Improved method for:
  - Tracking acquisition
  - Use and/or adoption of the document
    - ❖ *New England regional EMS protocols*
    - ❖ *State of Ohio EMS Guidelines (upcoming)*
  - Collation of feedback
- Seek a central repository for EMS literature
- Track and address reported hurdles with adoption of the Guidelines



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### Future Goals

- Seek a repository for EMS literature
- **Addition of new core guidelines**
- Continued pairing with NEMSIS protocols and future performance measures

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### EMS: Evidence-Based Medicine

Initial NHTSA  
Evidence-Based  
Guidelines




The Acorn

NASEMSO National  
Model EMS  
Clinical Guidelines




The Sapling

Evidence-Based  
EMS Clinical  
Practice



The Oak Tree



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### THANK YOU!

• **Organizational Partners**

<ul style="list-style-type: none"> <li>➢ American Academy of Emergency Medicine</li> <li>➢ American Academy of Pediatrics</li> <li>➢ American College of Emergency Physicians</li> <li>➢ American College of Osteopathic Emergency Physicians</li> <li>➢ American College of Surgeons Committee on Trauma</li> <li>➢ Air Medical Physician Association</li> <li>➢ National Association of EMS Physicians</li> </ul>	<ul style="list-style-type: none"> <li>➢ NASEMSO Medical Directors Council</li> <li>➢ Contributing Authors and Subject Matter Experts</li> <li>➢ Technical Reviewers</li> </ul>
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THANK YOU!

**•EMS Community**

- EMS agencies
- EMS providers
- Individuals
- Organizations



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THANK YOU!

**•FUNDING**

- NHTSA Office of EMS
- HRSA, Maternal and Child Health  
Bureau's EMS for Children Program

**•SUPPORT**

- NASEMSO
- Mary Hedges, Project Manager
- Kevin McGinnis, Project Technical Writer/Editor



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