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."

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
History and Purpose - “The Acorn”

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

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

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
Maintenance of Currency

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

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

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
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

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

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
Future Goals

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

EMS: Evidence-Based Medicine

- Initial NHTSA Evidence-Based Guidelines
- NASEMSO National Model EMS Clinical Guidelines
- Evidence-Based EMS Clinical Practice

THANK YOU!

- Organizational Partners
  - American Academy of Emergency Medicine
  - American Academy of Pediatrics
  - American College of Emergency Physicians
  - American College of Osteopathic Emergency Physicians
  - American College of Surgeons Committee on Trauma
  - Air Medical Physician Association
  - National Association of EMS Physicians
  - NASEMSO Medical Directors Council
  - Contributing Authors and Subject Matter Experts
  - Technical Reviewers
THANK YOU!

**EMS Community**
- EMS agencies
- EMS providers
- Individuals
- Organizations

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- HRSA, Maternal and Child Health
  Bureau’s EMS for Children Program

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