

# Electronic Patient Care Report

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# Why eData?

- *Legibility*
- *Accuracy*
- *Patient History Database*
- *Provider History Database*
- *Timeliness*
- *GIGO, not GEICO*
- *National EMS Information System(NEMESIS)*

# What is NEMESIS

- *National Association of State EMS Directors (NASEMSD)*
- *National Highway Traffic Safety Administration (NHTSA)*
- *Health Resources and Services Administration (HRSA)*

# Why NEMESIS

- *Develop nationwide EMS training curricula*
- *Evaluate patient & EMS system outcomes*
- *Facilitate research efforts*
- *Determine national fee schedules & reimbursement rates*
- *Resources for disaster & domestic preparedness*
- *Needs assessment for EMS system*

# NEMSIS Project

- *Promote NHTSA Uniform Pre-Hospital Dataset and National EMS Information System Dataset*
- *Design & implement a Pilot National EMS Database with web reporting capabilities*
- *48 states & 3 territories*

# *NHTSA Uniform Pre-Hospital EMS Dataset, Version 2*

- *Dispatch Data*
- *Incident Data*
  - *Motor Vehicle Crash Data*
  - *Medical Data*

# *NHTSA Uniform Pre-Hospital EMS Dataset, Version 2*

- *Patient Data*
  - *Demographics*
  - *Medical History*
  - *Assessment*
  - *Medical Device Data*
  - *Treatments/Medications*
  - *Procedures*
  - *Disposition*

# *NHTSA Uniform Pre-Hospital EMS Dataset, Version 2*

- *Injury/Trauma Data*
- *Cardiac Arrest Data*
- *EMS System Demographic Data*
- *EMS Personnel Demographic Data*
- *Quality Management Indicators*
- *Domestic Terrorism Data*

# So What!

- *Practical Applications*
  - *Define scope of practice*
  - *Protocol development*

# Real World Example at Southern Maine EMS (SMEMS) 1999

- *Shortage of Paramedics*
  - *Data shows 49% available when requested*

# SMEMS Enhanced EMT-I

- *Pilot Program to enhance patient care*
  - *Aspirin*
  - *D50*
  - *Epinephrine 1:1000*
  - *Albuterol*
  - *Nitroglycerin*

# SMEMS Enhanced EMT-I

- *Education update program-24*
- *Protocols written*
- *Quality Assurance program-100% review*
- *EMT-I's will not request a paramedic*
  - *Survey Says: 98% of the time no additional medications administered*
  - *2% of the time administered morphine for chest pain*

# SMEMS Enhanced EMT-I

- *2002 Protocol Change*
  - *EMT-I in consult with On-Line-Medical-Control may modify the paramedic response*

# SMEMS Enhanced EMT-I

- *2005 Protocol Change:*
  - *Paramedic can supervise EMT-I, if willing to accept responsibility*

# Web Based Run Report

- *2006 eRun Report goes live*
- *Free Web Based: [www.memssrr.com](http://www.memssrr.com)*
- *Laptop-must purchase software*

# Lessons Learned

- *Provider buy-in through education*
- *Learning Curve*
- *Computers/Web Access/Printers at Facilities*
- *Data Field Criteria/Directions (GIGO)*
- *System in place prior to implementation*