



NEMESIS

National EMS Information System

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What is NEMESIS?

The National Association of State EMS Directors is working with the National Highway Traffic Safety Administration (NHTSA) and the Trauma/EMS Systems program of the Health Resources and Services Administration (HRSA) to develop a national EMS database. The uses of such a database include:

- * Developing nationwide EMS training curricula.
- * Evaluating patient and EMS system outcomes.
- * Facilitating research efforts.
- * Determining national fee schedules and reimbursement rates.
- * Addressing resources for disaster and domestic preparedness.
- * Providing valuable information on other issues or areas of need related to EMS care.

The NEMESIS Project

The NEMESIS grant is an ongoing project with the following tasks:

- * Promote the NHTSA Uniform Pre-Hospital Dataset.
- * Promote the National EMS Information System Dataset.
- * Promote the National EMS Information System Business Implementation Model.
- * Design and implement a Pilot National EMS Database with web reporting capabilities as a proof of concept.
- * Support and promote state EMS data initiatives directed at implementing NEMESIS.

Participating States

48 States NASEMSD states and 3 territory members have formally agreed to promote and

support all EMS data initiatives within their states to conform to the NHTSA Version 2 dataset. These states will call upon vendors of EMS information system software to assist in implementing the National EMS Information System.

Components of NEMESIS

The NHTSA Uniform Pre-Hospital EMS Dataset, Version 2.

- * A comprehensive dataset which serves as a reference to local and state EMS systems as they develop and implement EMS data systems.
- * Captures the following components of EMS service and patient care delivery:
 - * Dispatch Data
 - * Incident Data
 - * Patient Data
 - Demographics
 - Medical History
 - Assessment
 - Medical Device Data
 - Treatments/Medications
 - Procedures
 - Disposition
 - * Injury/Trauma Data
 - * Cardiac Arrest Data
 - * Financial Data
 - * EMS System Demographic Data
 - * EMS Personnel Demographic Data
 - * Quality Management Indicators
 - * Outcome Indicators
 - * Domestic Terrorism Data
 - * Linkage Data

National EMS Dataset

- * A small subset of the NHTSA Uniform Pre-Hospital dataset consisting of 68 key data elements.

- * This is the minimal dataset each state is recommended to collect and submit.
- * Each state may choose to collect any amount of data between the full NHTSA Uniform Pre-Hospital Dataset and the National EMS Dataset.
- * Used to establish the National EMS Database.

National EMS Database

- * The "warehouse" which will store the data collected from each state based on their chosen dataset.
- * Web-based reporting capability to better define and describe EMS systems, personnel, and services across the country.

XML standard

- * Allows new and existing EMS datasets to import or export data based on the version 2 NHTSA dataset standards.

Business Model

- * Used for the deployment of the National EMS Information System at the local, state, and national levels.

Completed Components

- * NHTSA Version 2 Uniform Pre-Hospital Dataset
- * NHTSA Version 2 XML Data Standard
- * National EMS Database Dataset (66 data-element subset of the NHTSA Version 2 Dataset)
- * NEMSIS Business Model and Implementation Plan

Organizational Participation

Professional

- * American Ambulance Association (AAA)
- * American College of Emergency Physicians (ACEP)
- * American College of Surgeons: Committee on Trauma (ACS-COT)
- * American Heart Association (AHA)
- * Emergency Medical Research Outcomes Project (EMSOP)

- * International Association of Fire Chiefs (IAFC)
- * International Association of Fire Fighters (IAFF)
- * National Academy of Emergency Medical Dispatch (NAEMD)
- * National Association of EMS Physicians (NAEMSP)
- * National Association of EMS Quality Professionals (NAEMSQP)
- * National Association of State EMS Directors (NASEMSD)
- * National Emergency Number Association (NENA)

Federal

- * Centers for Disease Control (CDC)
- * EMSC National Resource Center (NRC)
- * Federal Emergency Management Administration (FEMA)
- * HRSA's Emergency Medical Services for Children Program (EMSC)
- * HRSA's Office of Rural Health Policy (ORHP)
- * HRSA's Trauma/EMS Systems Program
- * National EMSC Data Analysis Resource Center (NEDARC)
- * National Highway Traffic Safety Administration (NHTSA)

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