

## Want to KNOW MORE?

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[www.NEMSIS.org](http://www.NEMSIS.org)

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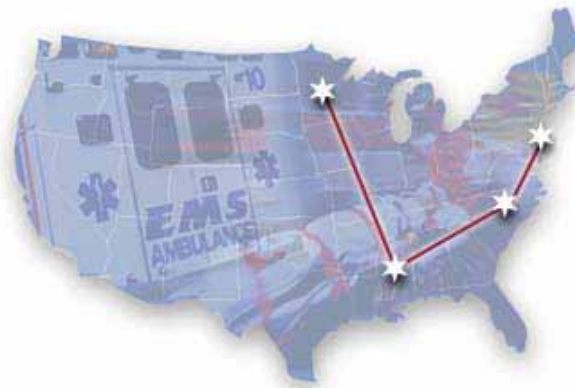
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**THE NEMSIS TAC IS IN  
PARTNERSHIP WITH:**



Helping unify EMS data

## NATIONAL EMS INFORMATION SYSTEM TECHNICAL ASSISTANCE CENTER



OFFERING TECHNICAL ASSISTANCE ON THE  
**IMPLEMENTATION AND TRACKING**  
OF NATIONAL EMS DATA



## What is NEMSIS and the NEMSIS TAC?



The National EMS Information System (NEMSIS) defines a process of EMS data collection that can be used to aggregate and store EMS data from every state in the nation. The need for EMS systems and patient information has been well established, and many statewide data systems have been created. However, these EMS systems vary in the structure and content of the information collected, making it difficult to compare information across agencies or states or aggregate at the national level.

For this reason, the NEMSIS project was developed to help states collect more standardized elements and eventually submit the data to a national EMS database.

**The NEMSIS TAC, or the National EMS Information System Technical Assistance Center, is the resource center for the NEMSIS project.**

## Who is the NEMSIS TAC?

The NEMSIS TAC is co-located at the **UNIVERSITY OF UTAH** and the **UNIVERSITY OF NORTH CAROLINA**.

## OBJECTIVES OF THE NEMSIS TAC

- Provide technical support to states, local EMS agencies and EMS software vendors
- Supply EMS software vendors with NHTSA 2.x compliance-related materials
- Retain and coordinate the versioning of the NHTSA 2.x dataset
- Develop the analysis reports to be posted with the National EMS database
- Evaluate all state's capabilities to collect and provide data to the national database
- Collect data from at least five states and put into the national database in 2006
- Prepare additional states to submit data to the national database
- Develop vendor support tools to evaluate EMS software
- Develop reports (queries) to review the data in the national database
- Develop a plan and system for future versions of the NHTSA dataset
- Provide any requested technical assistance

# NEMSIS Project & Purpose

## NEMSIS PROJECT GOALS

The National EMS Information System (NEMSIS) Project is a *national effort to standardize the data collected by EMS agencies.*



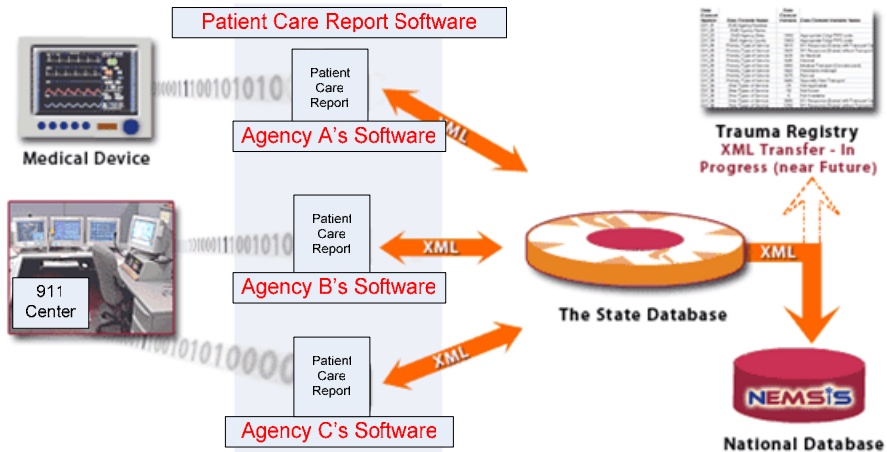
**Over 75% of states have some type of data collection system in place right now at various levels of sophistication.** Many states are currently working to revise data elements, improve data capture, and ensure compliance with the NHTSA 2.x dataset.

1. Implement an electronic EMS data collection system in every local EMS system, which can collect and use data based on the NHTSA Version 2.x dataset standard.
2. Implement a state EMS information system in every state and territory, which can receive and use a portion of the local EMS data via an XML standard.
3. Implement a national EMS database, which can receive and use a portion of the state and territorial EMS data via the XML standard.

# Improvement of EMS Data Flow

## THE PORTABILITY OF DATA - the NEMSIS STANDARD.

Accepting the new standard will improve the flow of EMS data from one location to another. **The NHTSA dataset uses XML to transport the data from one location to another.** As long as the standard is followed, EMS agencies can purchase a software application that suits their needs or develop their own. States will also be capable of providing data back to agencies by the same means. Finally, hospitals will be able to accept electronic data into their medical records systems.



## THE NEMSIS DATA DICTIONARY HAS OVER 400 ELEMENTS

The NATIONAL ELEMENTS are transmitted to the NEMSIS TAC (Technical Assistance Center) to populate the NATIONAL EMS DATASET.

The State selects elements from the NHTSA 2.2 Dataset according to their needs - keeping the national elements as part of their selection.

Local Providers select elements according to their needs - keeping the national elements AND state elements as part of their selection.



Although there are 400 elements defined in the NHTSA 2.x dataset, only a core set of national elements should be part of every patient care report. **States and agencies can selectively choose what additional elements they want to collect.** The majority of these national elements are items usually found on patient care reports.

# Results of the NEMSIS Project

- **States are now using the same software applications for EMS data collection.** A common vendor is now used in seven states, another in four, and a third is in three states.
- Software vendors are building new applications that will be compliant with the new standard. This means that **more software options are available to agencies looking for new EMS software** (or just enhancing their system).
- **Electronic data systems are increasing revenue for EMS agencies.**
- North Carolina has established the EMS Performance Improvement Center (PIC). **The PIC will analyze agency's data and determine what resources are needed.**
- The National Trauma Registry database is being created using over 30 elements from the NHTSA EMS dataset to create a **seamless connection between EMS and trauma registry software.**

