

Results of NEMSIS

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.



- **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.**

Want to KNOW MORE?

VISIT THE WEBSITE!!!

www.NEMSIS.org

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THE NEMSIS PROJECT IS FUNDED BY:



NATIONAL EMS INFORMATION SYSTEM



THE NEEDS
and THE
BENEFITS

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

What is NEMSIS?

The National EMS Information System (NEMSIS) is **the national repository that will be used to potentially 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.**

Goals of NEMSIS

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.



THE NEMSIS DATA DICTIONARY HAS OVER 400 ELEMENTS

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 elements they want to collect. The majority of these national elements are items usually found on patient care reports.

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.

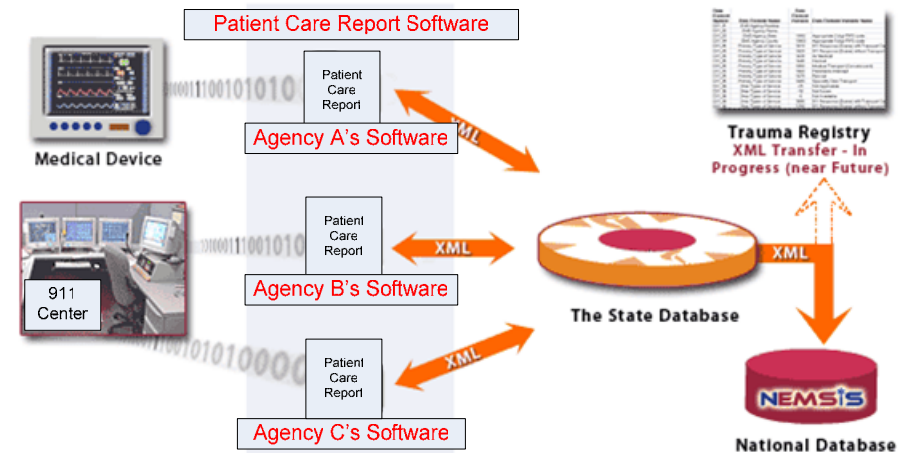
Local Providers select elements according to their needs - keeping the national elements AND state elements as part of their selection.

Improvement of EMS Data Flow

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 PORTABILITY OF DATA - the NEMSIS STANDARD.



Support of the NEMSIS Project:

THE NEMSIS TAC

The success of the NEMSIS project has now been passed along into a new phase. **The NEMSIS TAC, or the National EMS Information System Technical Assistance Center, is the resource center for the NEMSIS project.** It is co-located at the **UNIVERSITY OF UTAH** and the **UNIVERSITY OF NORTH CAROLINA.** This center was created in 2005, with several goals in mind. The first is that the center will collect data from and prepare states to comply and submit data to the national database. The center is also responsible for technical assistance to states and vendors, and will be able to create reports and queries from the data provided.