

NASEMSO 2013 Data Managers Council Survey

Thank you for taking the time to complete this important survey.

The results will be utilized to assist the Data Managers Council (DMC) with the DMC Workplan Goals and Objectives, to include funding information, linkage capabilities, and mentoring needs. In addition, the results will benefit NASEMSO and the DMC with information on the variety of information systems that State Data Managers are responsible for managing.

The survey should take no longer than 15 minutes to complete.

Survey Tips:

If you are interrupted or unable to complete the survey, you may return to it later even after leaving the website. You must use the same computer and have "cookies" enabled on your web browser to take advantage of this feature.

If you need to change a response on a previous screen, select "Prev," return to the desired screen and make the necessary changes. Then select "Next" to advance to the current screen. The data will be retained in the subsequent screens. You are not required to re-enter the data. Once you exit this survey, you may not change your responses.

Name: _____

Position Title: _____

State: _____

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Section 1 – State EMS Data Manager

With data collection and reporting needs expanding rapidly and with the rollout of NEMSIS Version 3.0, it is important to assess states' current status of staffing for state EMS data management.

For the purpose of this survey, State EMS Data Manager is defined as the individual responsible for State EMS Office's data.

"Data Management" could include management/maintenance of databases related to:

- patient care reports (paper and/or electronic)
- state trauma registry
- licensing of:
 - prehospital personnel,
 - agencies, and/or
 - vehicles
- investigations
- education:
 - initial courses
 - continuing education

1. How much full time equivalent (FTE) employee time is dedicated to EMS data management?
 - More than 1 (one) FTE → go to #3
 - 1 (one) FTE → go to #3
 - 0.75 (three-quarter) FTE → go to #3
 - 0.5 (half) FTE → go to #3
 - 0.25 (one-quarter) FTE → go to #3
 - 0 (no open position at this time) → go to #4
 - Currently in the hiring process → go to #2
 - Other (please specify) _____ → go to #3

2. You indicated that the State EMS Data Manager position is currently being hired, will this position be:
 - More than 1 (one) FTE
 - 1 (one) FTE
 - 0.75 (three-quarter) FTE
 - 0.5 (half) FTE
 - 0.25 (one-quarter) FTE
 - Other (please specify) _____

3. Does the State EMS Office employ the State EMS Data Manager position?
 - Yes
 - No – Please indicate who employs this position. _____

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4. Comments regarding the State EMS Data Manager position: _____

Section 2 - Data Systems

This section will provide information on the various data system management roles that State EMS Data Managers hold. Answer the questions as it relates to the management of the specified systems, even if that system is supported by outside IT resources.

5. Who has primary responsibility for managing the data system that supports:

a) Patient care reporting (paper and/or electronic)

- State EMS Data Manager
- Another individual within the EMS office
- State agency outside the EMS office
- No information system
- Other entity manages (*please specify*): _____

b) Licensure / certification of EMS personnel?

- State EMS Data Manager
- Another individual within the EMS office
- State agency outside the EMS office
- No information system
- Other entity manages (*please specify*): _____

c) Licensure of EMS agencies?

- State EMS Data Manager
- Another individual within the EMS office
- State agency outside the EMS office
- No information system
- Other entity manages (*please specify*): _____

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6. What other registries/databases does your State EMS Data Manager manage? *(select all that apply)*
- AED
 - Cardiac (not STEMI)
 - Complaint/Investigation
 - Disaster Event
 - EMS Grant Programs
 - EMS Personnel Education
 - Hospital Diversion
 - Hospital Resource Tracking
 - Hospital Patient Tacking
 - Quality Assurance/Quality Improvement
 - Rehabilitation
 - STEMI
 - State EMS Office Website
 - Statewide Learning Management System (LMS)
 - Stroke
 - Trauma Registry
 - Other *(please specify)* _____
7. Comments regarding databases/registries _____

Section 3 - EMS / Traffic Records Coordinating Committee (TRCC):

The following questions will provide information on the role of EMS in the State Traffic Records Coordinating Committee (TRCC). The TRCC members are directly involved in state data programs (crash, motor vehicles, injury prevention, etc.).

8. Does your state have a TRCC?
- Yes → go to #9
 - No → go to #13
9. Does a State EMS Office staff member have a seat on the TRCC?
- Yes
 - No → go to #12
10. Who holds the State EMS Office seat on the TRCC? *(if your State EMS Office holds multiple seats, please select all that apply)*
- State EMS Data Manager
 - State Trauma Manager/Registrar *(select this option only if the State Trauma Manager/Registrar is part of the State EMS Office staff)*
 - Other EMS Office staff member *(please specify)*

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11. How involved in the TRCC is the EMS staff member? → go to #13

- Actively engaged
- Only periodically engaged
- Does not participate
- Other (*please specify*)

12. You indicated that the State EMS Office does not hold a seat on TRCC. Even though the State EMS Office does not have an official seat on the TRCC, is the State EMS Office (EMS Data Manager or other staff member) engaged in the TRCC activities?

- Actively engaged
- Only periodically engaged
- Does not participate
- Other (*please specify*)

13. Comments relating to the TRCC _____

Section 4 – EMS Agencies and Response Data

The following questions will provide an overview of the number of both non-transport and transport agencies submitting EMS response data in your state.

Questions refer to all agencies licensed in your state, to include both emergency and non-emergency.

Please base your responses on calendar year 2012.

14. Does your state license non-transport agencies?

- Yes → go to #15
- No → go to #22

15. How many non-transport agencies did your state license in 2012? _____

16. Does your state mandate PCR submission for non-transport agencies?

- Yes
- No

17. What was the total number of non-transport responses in your state? _____

18. How many of the licensed non-transport agencies submitted PCRs to the state? _____

19. What was the total number of PCRs submitted to the state by non-transport agencies?

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20. If any of these non-transport agencies used paper/Scantron forms, approximately how many of the total listed above were paper/Scantron? _____
21. What obstacles prohibit your state from capturing 100% of PCRs from licensed non-transport agencies? _____
22. Does your state license transport agencies?
- Yes → go to #23
 - No → go to #30
23. How many transport agencies did your state license in 2012? _____
24. Does your state mandate PCR submission for transport agencies?
- Yes
 - No
25. What was the total number of transport responses in your state? _____
26. How many of the licensed transport agencies submitted PCRs to the state? _____
27. What was the total number of PCRs submitted to the state by transport agencies? _____
28. If any of these transport agencies used paper/Scantron forms, approximately how many of the total listed above were paper/Scantron? _____
29. What obstacles prohibit your state from capturing 100% of PCRs from licensed transport agencies? _____
30. Comments relating to PCR submission from non-transport or transport agencies. _____

Section 5 - Data Linkage:

The following questions will provide baseline data for state linkage capabilities. Linkage is a critical area and a top priority in NAEMSO's Cooperative Agreement with NHTSA. Therefore, it is important to assess states' current linkage capabilities to assist with planning and resource needs to link EMS data with other data sources.

31. Does your state have an electronic patient care reporting (ePCR) system?
- Yes
 - In process of implementing an ePCR system → go to #44
 - No → go to #45

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32. Does your state have a trauma registry?

- Yes
- In process of creating a trauma registry → go to #36
- No → go to #36

33. Does your state link EMS data with trauma registry data?

- Yes, direct (deterministic) linkage
- Yes, indirect (probabilistic) linkage
- No, but plan on direct (deterministic) linkage within 12 months → go to #35
- No, but plan on indirect (probabilistic) linkage within 12 months → go to #35
- No plans on any type of linkage within next 12 months → go to #35
- Other (please specify) _____

34. How often does your state link EMS data with trauma registry data?

- Real-time or near real-time
- Daily
- Weekly
- Monthly
- Quarterly
- Twice a year
- Yearly
- Other (please specify) _____

35. What barriers exist to performing EMS and trauma registry data linkage? (select all that apply)

- Staff time limitations
- Funding
- Software limitations
- Lack of knowledge or technical abilities
- Statutes / administrative regulations do not allow
- We have no barriers
- Other (please specify) _____

36. Does your state have an electronic traffic crash records database?

- Yes
- In the process of creating one → go to #41
- No → go to #41

37. Does your state link EMS data to traffic crash records?

- Yes, direct (deterministic) linkage
- Yes, indirect (probabilistic) linkage
- No, but plan on direct (deterministic) linkage within 12 months → go to #40

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- No, but plan on indirect (probabilistic) linkage within 12 months → go to #40
- No plans on linkage within next 12 months → go to #40
- Other (please specify) _____

38. Does your state link EMS data to:

- All injury related crashes
- Only crashes involving fatalities
- Other (please specify) _____

39. How often does your state link EMS data to traffic crash records?

- Real-time or near real-time
- Daily
- Weekly
- Monthly
- Quarterly
- Twice a year
- Yearly
- Other (please specify) _____

40. What barriers exist to linking EMS and electronic traffic crash records data? (select all that apply)

- Staff time limitations
- Funding
- Software limitations
- Lack of knowledge or technical abilities
- Statutes / administrative regulations do not allow
- We have no barriers
- Other (please specify) _____

41. Does your state link EMS data to your state's hospital discharge records for patient outcome data?

- Yes, direct (deterministic) linkage
- Yes, indirect (probabilistic) linkage
- No, but plan on direct (deterministic) linkage within 12 months → go to #43
- No, but plan on indirect (probabilistic) linkage within 12 months → go to #43
- No plans on any type of linkage within next 12 months → go to #43
- Other (please specify) _____

42. How often does your state link EMS data to hospital discharge records?

- Real-time or near real-time
- Daily
- Weekly

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- Monthly
- Quarterly
- Twice a year
- Yearly
- Other (*please specify*) _____

43. What barriers exist to linking EMS data and hospital discharge records? (*select all that apply*)

- Staff time limitations
- Funding
- Software limitations
- Lack of knowledge or technical abilities
- Statutes / administrative regulations do not allow
- We have no barriers
- Other (*please specify*) _____

44. Are you willing to participate in a 'Data Linkage Workgroup' to assist with accomplishing goals in the Data Managers Council's [2013 Workplan](#)?

- Yes
- No

45. Comments regarding data linkage: _____

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Section 7 - Mentoring Needs and Capabilities:

The following questions will assist the DMC in developing mentoring programs and increasing mentoring and outreach opportunities, both of which are DMC Workplan goals. The information provided will assist the DMC in prioritizing mentoring needs and coordinating mentoring resources.

46. I would like to receive mentoring in the following areas: *(select all that apply)*

- State EMS Data Collection and Reporting System (startup issues / system rollout)
- Developing a "Functional Analysis"
- Developing RFIs (request for information)
- Developing RFPs (request for proposal)
- Vendor Selection (state system)
- Project Management
- Understanding XSDs
- Understanding Schematron
- Data Quality / Data Cleaning (business logic, data validation)
- Data Usage (reporting, benchmarking, performance measures)
- Development and Maintenance of a State Data Dictionary / Dataset
- Linking EMS Data to Trauma Registry Data (data elements, system resources)
- Linking EMS Data to Traffic Crash Records Data (data elements, system resources)
- None Required / Requested
- Other *(please specify)* _____

47. I feel comfortable mentoring in the following area(s): *(select all that apply)*

- State EMS Data Collection and Reporting System (startup issues / system rollout)
- Developing a "Functional Analysis"
- Developing RFIs (request for information)
- Developing RFPs (request for proposal)
- Vendor Selection (state system)
- Project Management
- Understanding XSDs
- Understanding Schematron
- Data Quality / Data Cleaning (business logic, data validation)
- Data Usage (reporting, benchmarking, performance measures)
- Development and Maintenance of a State Data Dictionary / Dataset
- Linking EMS Data to Trauma Registry Data (data elements, system resources)
- Linking EMS Data to Traffic Crash Records Data (data elements, system resources)
- None
- Other *(please specify)* _____

48. Are you willing to participate in a 'Mentoring Workgroup' to assist with accomplishing goals in the Data Managers Council's 2013 Workplan?

- Yes
- No

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49. Additional comments related to mentoring: _____

Section 8 – DMC Workgroups

In order to accomplish goals in the [2013 Workplan](#), Workgroups will be assigned to work on some of the Goals.

We have already asked about a couple workgroups (Mentoring & Data Linkage), below are a few more that we will need to fill:

- *Vendor Workgroup: Will work on developing a letter vendors about issues affecting data quality; Goal is to strengthen and foster channels of communication with software vendors*
- *Data Quality Workgroup: Will work with NEMSIS TAC to identify data elements that are not reported accurately & identify states that have quality data and effective/efficient data systems/processes; Goal is to promote the improvement of state EMS data systems*
- *Data Definitions Workgroup: Will work to update the Extended Definition Document (v2.2.1) to include v3 data elements; Goal is to promote standardization of state and national EMS data systems*

50. Please indicate if you are willing to participate in any of the Workgroups listed below:

- a) Vendor Workgroup
 - Yes, I am interested in this Workgroup
 - No, I am not interested in this Workgroup
- b) Data Quality Workgroup
 - Yes, I am interested in this Workgroup
 - No, I am not interested in this Workgroup
- c) Data Definitions Workgroup
 - Yes, I am interested in this Workgroup
 - No, I am not interested in this Workgroup

51. Comments about suggested Workgroups: _____

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Section 9 – NEMSIS Releasing Additional Aggregate State Data

For several years the NEMSIS-TAC has collected and posted information on the number of ePCRs received both quarterly and annually from submitting states. Several State Data Managers have had informal discussions about releasing additional aggregate state data on an annual basis. This data, released by NEMSIS, would not be identified lower than the statewide total (i.e. it would not be available at a county or city level and would not identify services, EMS personnel or patients).

Most if not all states have an open records act and they generally favor disclosure unless there is a specific exemption. Please check your State's Open Records Act and other related statutes prior to answering the following question.

52. Would your state allow the release of annual calendar year aggregate statewide data of the NEMSIS dataset?

- Yes
- No
- Other (please specify)