

State Dashboards

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Public Dashboards

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1.	Opioid Overdose Tracker - NEMESIS	16,741
2.	Heat-Related EMS Activation Surveillance Dashboard - NEMESIS	7,002
3.	V3 Public Performance Measures Dashboard - NEMESIS	1,416
4.	V3 Public Motor Vehicle Crash Dashboard - NEMESIS	820
5.	v3 911 Call Complaint Dashboard - NEMESIS	648



NEMESIS Yearly Report

TYPICAL PATIENT (OVERALL)



Age 61-70 - 5,103,468 (15.9%)
Race White - 12,776,533 (63.9%)
Sex Female - 16,381,716 (50.87%)
EMS Transport Method Ground-Ambulance - 24,798,752 (98.74%)

Inclusion criteria: 911 initiated and patient contact was made. Values that were marked Not Applicable or Not Recorded are removed.

TYPICAL PEDIATRIC PATIENT



Age 17 - 180,663 (11.8%)
Race White - 2,838,674 (64.0%)
Sex Male - 1,035,204 (51.2%)
EMS Transport Method Ground-Ambulance - 2,122,204 (97.4%)

Inclusion criteria: 911 initiated and patient contact was made. Values that were marked Not Applicable or Not Recorded are removed.

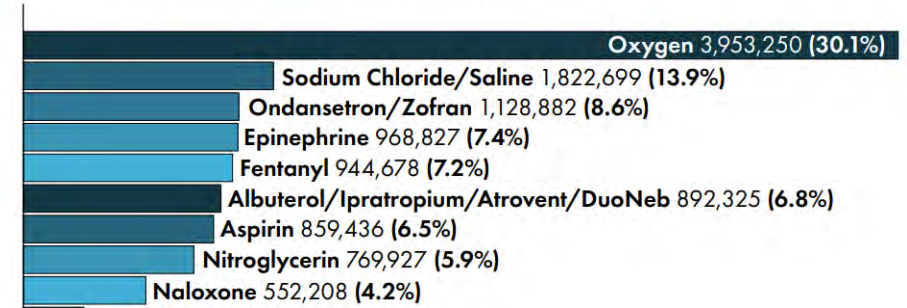
PATIENT'S PRIMARY SYMPTOM

[eSituation_09](#) - The primary sign and symptom present in the patient or observed by EMS personnel. Based on ICD-10 codes.

Primary Symptom ICD-10 Name	Count of Events	Percent of Total
Weakness	2,197,708	14.3%
Generalized Pain	1,388,708	9.1%
Change in Mental Status	1,356,523	8.9%
Shortness of Breath	1,114,652	7.3%
Other General Symptoms and Signs	1,036,325	6.8%
Chest Pain, Unspecified	898,053	5.9%
Encounter for Adult Health Check-Up	883,098	5.8%
Encounter for General Examination without Complaint, Suspected or Reported Diagnosis	689,557	4.5%
Dyspnea, Unspecified	651,910	4.3%

TOP 20 MEDICATIONS GIVEN

[eMedication_03](#) - Medication given. List of medications based on RxNorm (RXCU) codes.



TOP 20 CAUSES OF INJURY

[eSituation_11](#) - The reported/suspected external cause of the injury. Based on ICD-10 codes.

Cause of Injury ICD-10 Name	Count of Events	Percent of Total
Falls (including Tripping, Slipping, Fall from Furniture/Stairs, Ice/Snow)	2,667,567	51.5%
Motor Vehicle Crash (including Car Accident, Collision, Motorcycle, Occupant Injured)	1,525,903	29.5%
Assault (including by Bodily Force, by Blunt Object, by Stabbing, by Other Means)	408,647	7.9%
Other Specified Events, Undetermined Intent	85,153	1.6%
Intentional Self-Harm (including Suicide Attempt)	68,463	1.3%

TYPE OF SERVICE REQUESTED

[eResponse_05](#) - The type of service or category of service initiated of the EMS Agency responding for this specific EMS event.

Type of Service	Count of Events	Percent of Total
911 Response (Scene)	39,057,108	77.8%
Medical Transport	5,813,908	11.6%
Interfacility Transport	4,613,080	9.2%
Public Assistance/Other Not Listed	266,525	0.5%
Standby	176,882	0.4%
Mutual Aid	134,956	0.3%
Intercept	130,416	0.3%
TOTAL	50,192,875	100%

content/uploads/2022/11/NEMESIS-End-of-Year-Report-2021.pdf



Tips and Tricks

How do I use this document?



What types of issues are included?

- When ePCR's fail to transmit
- When there are validation errors that won't clear
- Looking for missing records
- Dashboard issues
- Good things to know



Failure to Transmit

Where you start depends on where the record failed...

1. Transmission failure to National Data Repository
 1. What failure is listed on the report from the state vendor?
 2. What failure is listed on the v3 State Data Submission Dashboard, Submission Detail tab?
 - XML validation – XSD structure issue, missing mandatory field, non-NEMESIS code or invalid allowable pattern
 - Fatal level schematron rule violation – national schematron rule error, ask your vendor what the web response on the submissions are?
 - No demographic agency – submit a demographic file to the national data repository
 - a. Has a demographic file been submitted for the EMS Provider Agency?
 - b. Does the demographic file dAgency.01, .02, .04 match the information for those elements within the EMS ePCR file?

Submission Errors	Schema Version	Submission Type	
Submission Rejection Message		Patient Care Report	1
Failed import of a file, because of [FATAL] level Schematron rule violation	3.4.0	EMS Agency Demographics	1
Failed import of a file, because of failing XML validation	3.4.0	Patient Care Report	7,979
	3.5.0	EMS Agency Demographics	1
		Patient Care Report	2,378
Failed import of a file, because of no demographic agency associated to the PCR	3.4.0	Patient Care Report	11,057
Grand Total			21,417



Failure to Transmit

Where you start depends on where the record failed...

1. Transmission failure to the State/Regional/Local Data Repository
 - a. What failure is listed on the report from the vendor?
 - XML validation – XSD structure issue, missing mandatory field, non-NEMESIS code or invalid allowable pattern
 - Fatal level schematron rule violation – state/regional/local schematron rule error, ask your vendor what the web response on the submissions are?
 - a. When you fix the issue, does the error disappear?

If that didn't work

- Call your vendor, call your provider agency, call your NEMESIS TAC



Missing Records

Are the ePCR's making it from EMS Provider Agencies to the National Data Repository?

1. Do you know how many ePCR's the EMS Provider Agency submitted?
 - a. Does it match how many were received?

2. How many ePCR's did the state send to the National Data Repository?
 - a. Does it match how many were received?



Missing Records

Are the ePCR's making it from EMS Provider Agencies to the National Data Repository?

1. Do you know how many ePCR's the EMS Provider Agency submitted?
 - a. Does it match how many were received?

2. How many ePCR's did the state send to the National Data Repository?
 - a. Does it match how many were received?
 - b. Check the current composition report.



Current Composition of the Warehouse

By State

Field Level Software Package (All) Submitting State (All) EMS Agency (All) Reference Date Unit Notified By Dispatch June 1, 2023 Date Range June 30, 2023

Current Composition of the Warehouse

	2023	Grand Total
State 1	6,079	6,079
State 2	77,113	77,113
State 3	41,533	41,533
State 4	75,071	75,071
State 5	407,712	407,712
State 6	69,584	69,584
State 7	9,332	9,332
State 8	26,635	26,635
State 9	20,928	20,928
State 10	401,121	401,121
State 11	216,831	216,831
State 12	1,521	1,521



Current Composition of the Warehouse

By Agency

Current Composition | EMS Agency Activity | EMS Agencies Without Activati...

SubmittingState

(All)

dAgency.01

(All)

Reference Date

Unit Notified By Dispatch

Day of Select Reference Date

July 1, 2023

July 31, 2023



Submitting State | dAgency.01

2023

State

Agency 1

829

Agency 2

1

Agency 3

131

Agency 4

24

Agency 5

5

Agency 6

4

Agency 7

1

Agency 8

5

Agency 9

10

Agency 10

18

Agency 11

290

Agency 12

22



QUALITY BY DESIGN - NEMSIS ANNUAL MEETING 2023



Tips and Tricks Document

- Technical Resources/ Guides and Usage/ Other

<https://nemsis.org/wp-content/uploads/2023/07/Tips-and-Tricks.pdf>



Failing Records

- State Data Submission Dashboard
- Current Composition of the Warehouse
- Compare with your numbers regularly
- How to sign up and run reports demo



Relationship with Vendors

- Communication is important!



State Data Manager Panel

Lauri Lunde & Chris Hoffman
Business Data Analysts
NEMESIS TAC



Panel Members

- Peter Geissert (Oregon)
- Luis Dominguez (Florida)
- Gavin Sussman (Texas)
- Felicia Alvarez (Utah)
- Peter Brodie (New York)

State Data Managers
Contact Information:



New Data Manager Training Course

Lauri Lunde & Chris Hoffman
Business Data Analysts
NEMESIS TAC



QUALITY BY DESIGN - NEMESIS ANNUAL MEETING 2023



Background

- Level playing field
- Help provide support
- Connect with resources and tools
- Gathered ideas from stakeholders



Platform

- Moodle
- 5 sessions
- Some AI videos, some recorded webinar, some combination
- 3 one-on-one meetings
- Quizzes and Certificate of Completion

Dashboard

Recently accessed courses



NEMESIS State Manager Training
Miscellaneous



Outline of Course Topics

- Big Picture of EMS Data
- Resources and Tools
- Elements, Datasets, and Schematrons
- Vendors and Compliance
- Engagement and Opportunities



Phase II

- More Courses for Experienced State Data Managers
- Possible Topics
 - Data analysis basics
 - Statistics basics
 - Using EMS data for quality improvement
 - Tableau training
 - EMS Basics

What else?



Poll Everywhere

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Data Manager Courses

Data Analysis

Statistics

Using EMS Data for
Quality Improvement

Tableau Training

EMS Basics

Start the presentation to see live content. For screen share software, share the entire screen. Get help at pollev.com/app

Other ideas for future training topics

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Grants, Funding, and Legislation

Lauri Lunde, MEd
Business Data Analyst
State Support, NEMESIS TAC



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Is there EMS related legislation in your state?

Yes

No

I am unsure

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If there is EMS related legislation in your state, what is it related to?

Timeliness of Data Submission

Alignment with current version of NEMSIS standard

Specifics of data collection or medication, licensure, etc.

Other

I am unsure

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Grant Guidance Document

- Nemsis.org/ Using EMS Data/ NEMSIS 101/ State Specific Tools/ Grant Guidance
- Reach out – Connect to State Highway Traffic Safety Office

<https://nemsis.org/wp-content/uploads/2023/04/Updated-General-Grant-Application-Information-4.10.23.pdf>



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Do you receive grants for EMS related expenses or data collection in your state?

Yes

No

I am unsure

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Who are your grants from?

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What do your grants cover?

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If you don't receive grants, where does your funding come from for your position?

Any creative funding sources to share?



Questions and Closing

Thank you for joining us today!



What is one thing you learned today?

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