GAPB

GROUND AMBULANCE AND PATIENT BILLING ADVISORY COMMITTEE

Ground Ambulance & Patient Billing Advisory Committee

Review of NEMSIS Data: Types of Transports

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CMS

Types of Transports

- 2022 NEMSIS Data
  - 51,379,493 EMS activations submitted by 13,946 EMS agencies serving 54 states and territories during the 2022 calendar year.
    - Looking only at Ground Transports

eResponse.07	NEMSIS Code Description	Percent
46,066,178	Ground Transport	86.62%
366,346	Non-Transport Administrative (e.g., Superviso	0.69%
3,617,162	Non-Transport Assistance	6.80%
2,798,533	Non-Transport Rescue	5.26%
280,550	Air Transport-Helicopter	0.53%
50,723	Air Transport-Fixed Wing	0.10%

% of Calls that are Non-Transport

eDisposition.12	Percentage	NEMSIS Code Description
134,421	**0.29%**	Assist, Agency
331,993	**0.72%**	Assist, Public
206,534	**0.45%**	Assist, Unit
2,270,437	4.93%	Canceled (Prior to Arrival At Scene)
1,453,840	3.16%	Canceled on Scene (No Patient Contact)
1,077,687	2.34%	Canceled on Scene (No Patient Found)
8,936	0.02%	Patient Dead at Scene-No Resuscitation Attempted (With Transport)
241,422	**0.52%**	Patient Dead at Scene-No Resuscitation Attempted (Without Transport)
3,509	0.01%	Patient Dead at Scene-Resuscitation Attempted (With Transport)
111,743	**0.24%**	Patient Dead at Scene-Resuscitation Attempted (Without Transport)
938,713	**2.04%**	Patient Evaluated, No Treatment/Transport Required
40,665	0.09%	Patient Refused Evaluation/Care (With Transport)
2,141,516	**4.65%**	Patient Refused Evaluation/Care (Without Transport)
1,676,802	**3.64%**	Patient Treated, Released (AMA)
789,700	**1.71%**	Patient Treated, Released (per protocol)
650,063	1.41%	Patient Treated, Transferred Care to Another EMS Professional
33,605,866	72.95%	Patient Treated, Transported by EMS
36,062	0.08%	Patient Treated, Transported by Law Enforcement
34,851	0.08%	Patient Treated, Transported by Private Vehicle
150,662	0.33%	Standby-No Services or Support Provided
143,249	0.31%	Standby-Public Safety, Fire, or EMS Operational Support Provided
17,507	0.04%	Transport Non-Patient, Organs, etc.

% of Non-Transport Calls that Receive Treatment in Place

eDisposition.12	Percentage	NEMSIS Code Description
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Most Common Reasons for Non-Transport (Refused, Expired, Determined Not Required, etc.)

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Transport Destination
(Hospital, Behavioral Health Facility, Physician Office)

eDisposition.21	Percentage	NEMSIS Code Description
1,571,599	**3.41%**	Home
24,251,231	**52.64%**	Hospital-Emergency Department
3,646,996	**7.92%**	Hospital-Non-Emergency Department Bed
1,143,788	**2.48%**	Clinic
17,817	0.04%	Morgue/Mortuary
2,502,614	**5.43%**	Nursing Home/Assisted Living Facility
808,233	**1.75%**	Other
66,524	0.14%	Other EMS Responder (air)
56,421	0.12%	Other EMS Responder (ground)
12,515	0.03%	Police/Jail
8,252	**0.02%**	Urgent Care
129,468	**0.28%**	Freestanding Emergency Department
7,437,254	16.14%	Not Applicable
4,413,466	9.58%	Not Recorded

% of Each Type of Provider (Private, Fire, Public, Volunteer, etc.)

- Submitting Agencies

NEMSIS Code Description	Frequency	Percentage
Fire Department	5,219	45.10%
Governmental, Non-Fire	2,487	21.49%
Hospital	671	5.80%
Private, Nonhospital	3,128	27.03%
Tribal	66	0.57%

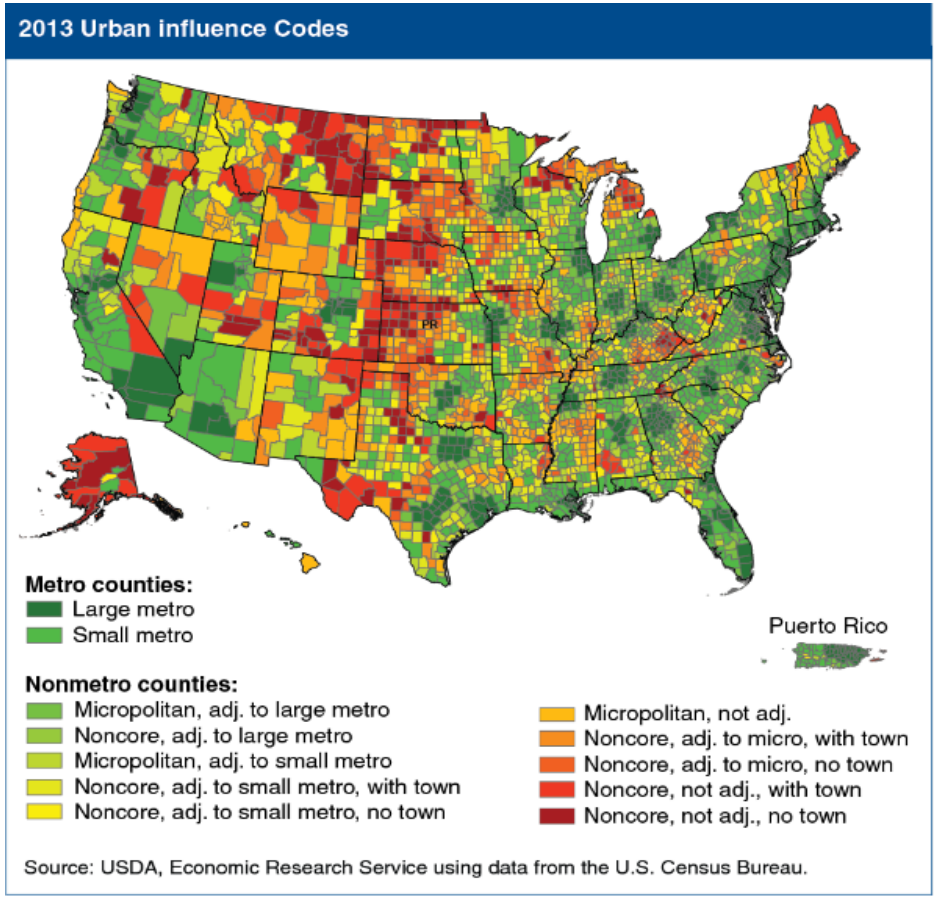
NEMSIS Code Description	Frequency	Percentage
Mixed	3,465	29.95%
Non-Volunteer	5,325	46.02%
Volunteer	2,781	24.03%

Variation Based on Urban, Rural, Super Rural and Frontier

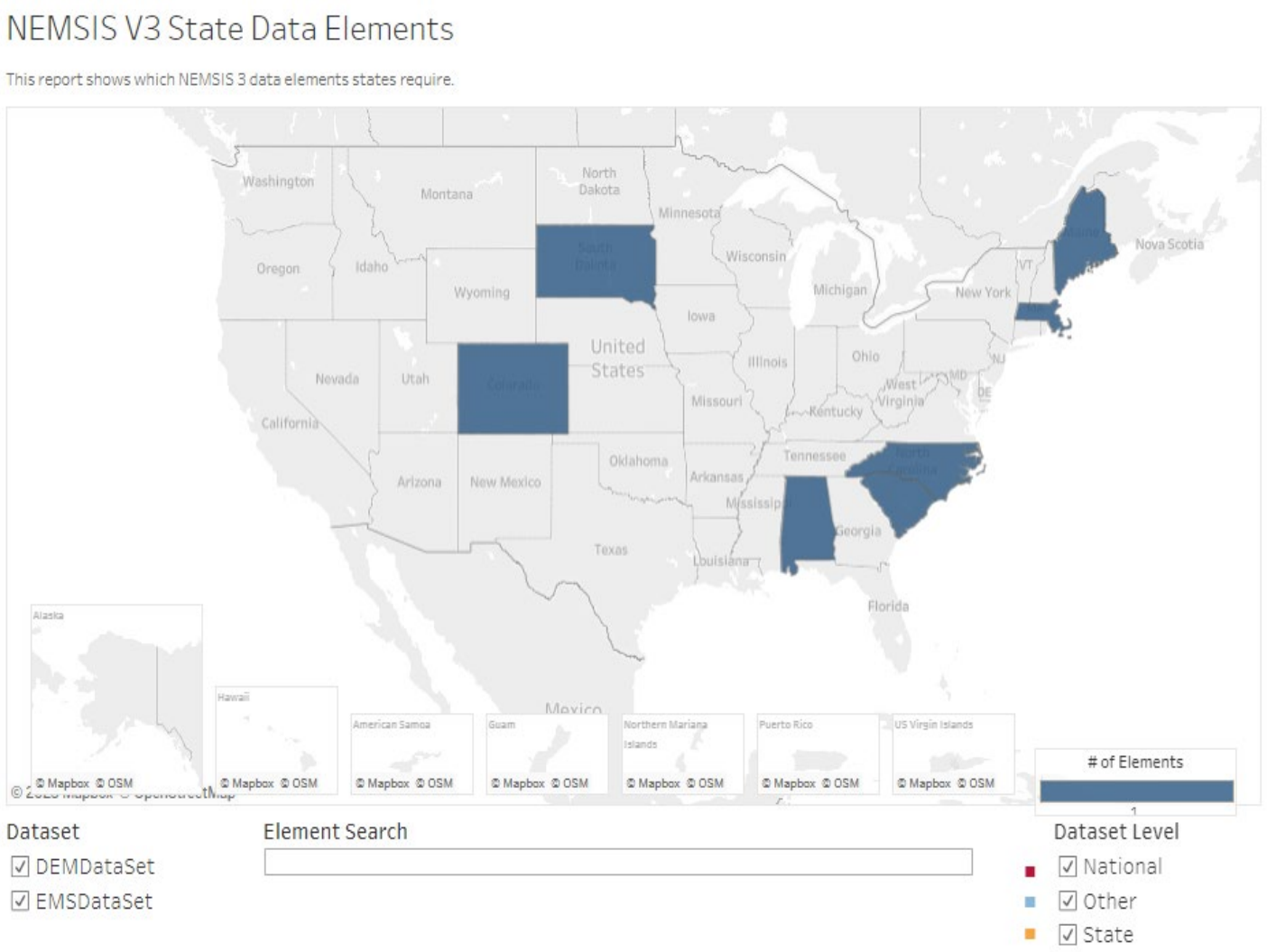
Urbanicity (USDA Urbanicity Codes)	Frequency	Percentage
N/A (No ZIP Code Reported)	1,154,791	2.51%
Rural	3,007,313	6.53%
Suburban	2,690,724	5.84%
Urban	38,506,558	83.59%
Frontier	706,792	1.53%

2003 Urban Influence Codes

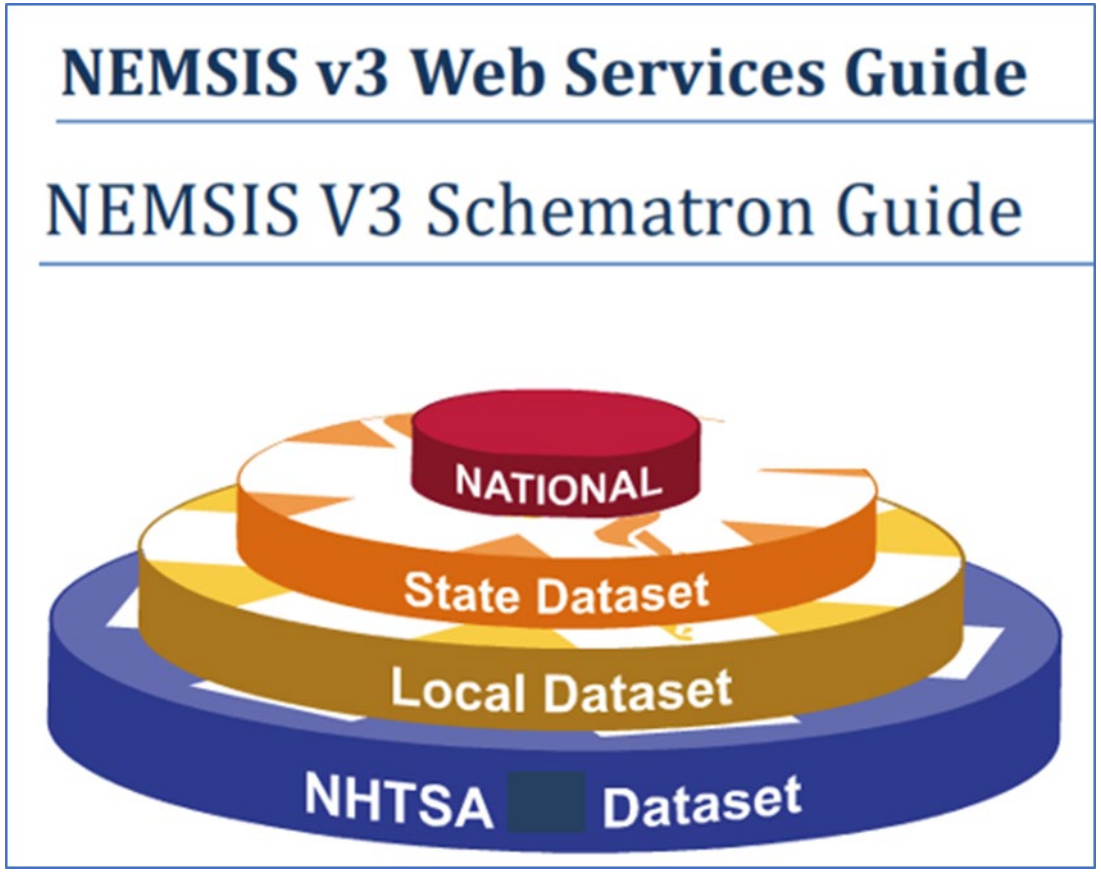
Code	Description	Number of counties	2000 Population	Square miles	Population per sq. mile	
Metropolitan counties:						
1	In large metro area of 1+ million residents	413	149,224,067	267,423	558.0	Urban
2	In small metro area of less than 1 million residents	676	83,355,873	629,671	132.4	Urban
Nonmetropolitan counties:						
3	Micropolitan adjacent to large metro	92	5,147,233	94,178	54.7	Suburban
4	Noncore adjacent to large metro	123	2,364,159	88,229	26.8	Rural
5	Micropolitan adjacent to small metro	301	14,668,144	285,527	51.4	Suburban
6	Noncore adjacent to small metro with own town	358	7,855,590	334,361	23.5	Rural
7	Noncore adjacent to small metro no own town	185	1,879,264	336,499	5.6	Frontier
8	Micropolitan not adjacent to a metro area	282	9,139,821	338,256	27.0	Rural
9	Noncore adjacent to micro with own town	201	3,227,833	193,200	16.7	Rural
10	Noncore adjacent to micro with no own town	198	1,313,175	196,269	6.7	Frontier
11	Noncore not adjacent to metro or micro with own town	138	2,247,189	488,521	4.6	Frontier
12	Noncore not adjacent to metro or micro with no own town	174	999,558	285,304	3.5	Frontier
	Total	3,141	281,421,906	3,537,438	79.6	



States Collecting Billing Information



National EMS Data Standard



Legend
Dataset Level: N National S State D Deprecated
Usage: M = Mandatory , R = Required , E = Recommended, or O = Optional
Attributes: N = Not Values, P = Pertinent Negatives , L = Nillable, and/or C = Correlation ID

eVitals

1 : M	eVitals.VitalGroup								C
1 : 1	eVitals.01 - Date/Time Vital Signs Taken	N	S	R	N, L				
1 : 1	eVitals.02 - Obtained Prior to this Unit's EMS Care	N	S	R	N, L				
1 : 1	eVitals.CardiacRhythmGroup								C
1 : M	eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG)	N	S	R	N, L, P	C			
1 : 1	eVitals.04 - ECG Type	N	S	R	N, L				
1 : M	eVitals.05 - Method of ECG Interpretation	N	S	R	N, L	C			
1 : 1	eVitals.BloodPressureGroup								
1 : 1	eVitals.06 - SBP (Systolic Blood Pressure)	N	S	R	N, L, P				
0 : 1	eVitals.07 - DBP (Diastolic Blood Pressure)	S	E	N, L, P					
1 : 1	eVitals.08 - Method of Blood Pressure Measurement	N	S	R	N, L				
0 : 1	eVitals.09 - Mean Arterial Pressure	O							
1 : 1	eVitals.HeartRateGroup								
1 : 1	eVitals.10 - Heart Rate	N	S	R	N, L, P				
0 : 1	eVitals.11 - Method of Heart Rate Measurement	O							
1 : 1	eVitals.12 - Pulse Oximetry	N	S	R	N, L, P				
0 : 1	eVitals.13 - Pulse Rhythm	O							
1 : 1	eVitals.14 - Respiratory Rate	N	S	R	N, L, P				
0 : 1	eVitals.15 - Respiratory Effort	O							
1 : 1	eVitals.16 - End Tidal Carbon Dioxide (ETCO2)	N	S	R	N, L, P				
0 : 1	eVitals.17 - Carbon Monoxide (CO)	S	E	N, L, P					
1 : 1	eVitals.18 - Blood Glucose Level	N	S	R	N, L, P				
1 : 1	eVitals.GlasgowScoreGroup								
1 : 1	eVitals.19 - Glasgow Coma Score-Eye	N	S	R	N, L, P				
1 : 1	eVitals.20 - Glasgow Coma Score-Verbal	N	S	R	N, L, P				
1 : 1	eVitals.21 - Glasgow Coma Score-Motor	N	S	R	N, L, P				
1 : M	eVitals.22 - Glasgow Coma Score-Qualifier	N	S	R	N, L	C			
0 : 1	eVitals.23 - Total Glasgow Coma Score	S	E	N, L, P					

For More Information:

NEMSIS Website: www.NEMSIS.org

Support Desk: support@nemsis.atlassian.net

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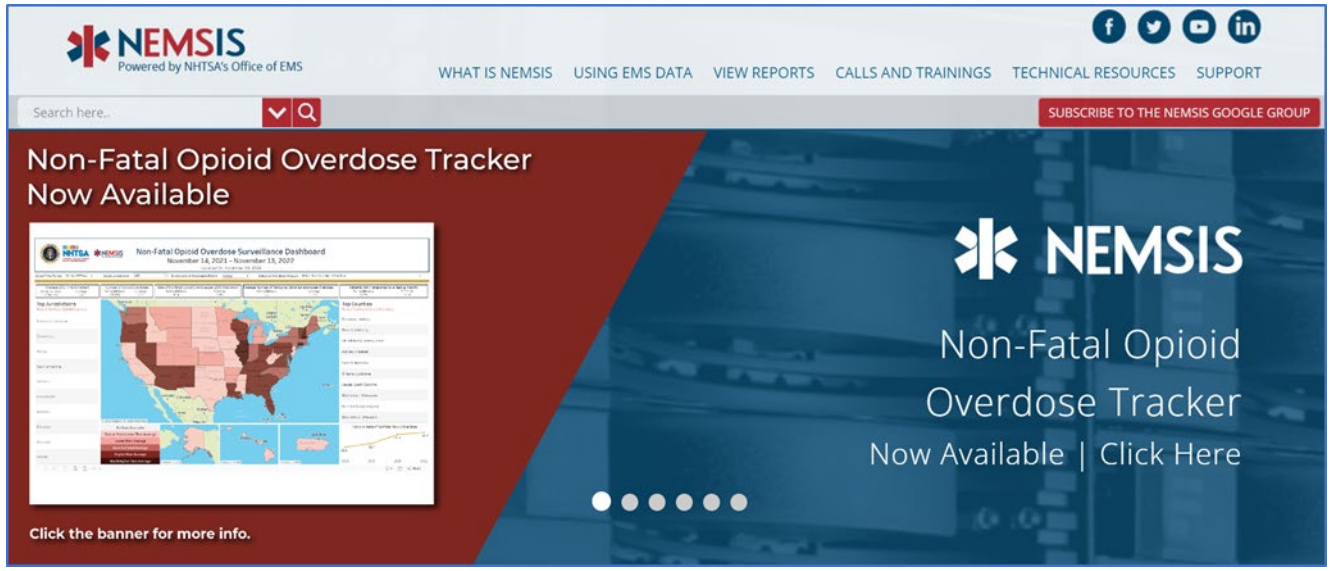
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