

# **Rural Nevada EMS Capacity Assessment**

## **FINDINGS FROM THE 2024 NEVADA EMS AGENCY SURVEY**

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University of Nevada, Reno  
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Office of Statewide Initiatives

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# Rural Nevada EMS Capacity Assessment – 2024

## OVERVIEW OF 2024 RURAL EMS AGENCY SURVEY

The Office of Statewide Initiatives at the University of Nevada, Reno School of Medicine collaborated with the State of Nevada Department of Health and Human Services' Emergency Medical Services (EMS) Office to conduct a statewide and community level rural EMS capacity assessment.

The purpose of this report is to provide information about the needs and concerns of rural EMS agencies in Nevada. The results from this capacity assessment will be used to prioritize and address essential needs to improve rural EMS service access, quality, and sustainability while reducing gaps in resource distribution.

The Rural Nevada EMS Capacity Assessment questions were adapted from the Centers for Medicare and Medicaid Services, Virginia, Arizona, and Arkansas EMS needs assessments. This is the first assessment of an annual survey in Nevada to be conducted by OSI. The survey instrument is contained in the appendix.

The State of Nevada EMS Office provided a rural EMS agency list. Fifty-eight rural and frontier EMS agencies were contacted, and 39 agencies responded. Each EMS agency appointed a qualified employee to complete the survey on behalf of the agency. The Qualtrics software survey link was first sent on February 23<sup>rd</sup>, 2024. The survey remained opened through March 22<sup>nd</sup>, 2024. The survey had a 67% response rate. EMS agencies that completed the survey represented all 17 counties in the state. Four agencies can be classified as rural serving but urban based. Data about rural versus urban ambulance responses could not be separated from these agencies.

The survey was limited by a lack of participation from Private EMS agencies, wording of questions that need revision to be better understood, and formatting of the online survey that limited usability by respondents.

## Rural Nevada EMS Capacity Assessment

### Section One: Agency, Service Area, and Response Information

- The greatest number of agencies participating in the survey identified as Paid Fire departments (Figure 1).
- Private EMS agencies hold the most active licenses in rural Nevada (20) (Figure 2).
- The greatest proportion of EMS agencies provide intermediate life support (transport AEMT) (59.0%), basic life support ground ambulance (transport) (51.3%), and advanced life support ground ambulance (transport) (43.6%) (Figure 3).
- Paid and Volunteer Fire Departments received the most calls in the 2023 calendar year (88.1%, 74.8% respectively) (Figure 4).
- Private EMS agencies have the longest response times averaging 6 hours and 23 minutes (Figure 4).
- Volunteer and Private EMS agencies covered the largest service areas, responding to calls over 64,706 and 70,271 square miles respectively (Figure 4).
- Paid and Volunteer Fire Departments had the greatest total number of calls (56,925 and 37,123 respectively) and number of calls that resulted in treatment and no transport (35,410 and 27,819 respectively) (Figure 5).
- Volunteer EMS agencies had the greatest percentage of calls that resulted in air ambulance transfers (11.7%) (Figure 5).
- In 2023, most calls resulted in treatment and no transport (53.1%) while patients transferred to an air ambulance only accounted for 2.3% of calls (Figure 6).
- Volunteer EMS agencies experience the greatest percentage of delayed responses (11.9%) while Paid Fire Departments had the greatest number of delayed responses (710) (Figure 7).
- Distance (23.1%) and weather (23.1%) accounted for the most delayed calls (Figure 8).

**Figure 1: License of Rural Nevada EMS Agency Survey Respondents – 2023  
n=39**

| Type of EMS Agency          | Number of Respondents | Percent of Respondents |
|-----------------------------|-----------------------|------------------------|
| Volunteer EMS               | 12                    | 30.8                   |
| Private EMS                 | 8                     | 20.5                   |
| Fire Department – Paid      | 17                    | 43.6                   |
| Fire Department – Volunteer | 10                    | 25.6                   |
| Hospital-Based EMS          | 3                     | 7.7                    |
| Tribal EMS Agency           | 3                     | 7.7                    |
| City/County EMS             | 4                     | 10.3                   |

Note: Agencies may have more than one license level.

**Figure 2: Active Licenses of Rural Nevada EMS Agencies– 2023**

| Type of EMS Agency          | Total Active Licenses | Percent of Total Licenses |
|-----------------------------|-----------------------|---------------------------|
| Volunteer EMS               | 7                     | 10.2                      |
| Private EMS                 | 20                    | 29.4                      |
| Fire Department – Paid      | 18                    | 26.5                      |
| Fire Department – Volunteer | 13                    | 19.1                      |
| Hospital-Based EMS          | 3                     | 4.4                       |
| Tribal EMS Agency           | 3                     | 4.4                       |
| City/County EMS             | 4                     | 5.9                       |

Note: Agencies may have more than one license level.

**Figure 3: Rural Nevada EMS Agency Levels of Service – 2023  
n=39**

| Levels of Service                                  | Number | Percent |
|--|--------|---------|
| Basic Life Support (non-transport)                 | 10     | 25.6    |
| Basic Life Support Ground Ambulance (transport)    | 20     | 51.3    |
| Intermediate Life Support (non-transport)          | 8      | 20.5    |
| Intermediate Life Support (transport AEMT)         | 23     | 59.0    |
| Advanced Life Support (non-transport)              | 10     | 25.6    |
| Advanced Life Support Ground Ambulance (transport) | 17     | 43.6    |
| Air Ambulance (transport fixed wing)               | 2      | 5.1     |
| Air Ambulance (transport rotor)                    | 1      | 2.6     |

**Figure 4: Number of Calls, Average Response Time, and Service Area Covered by Rural Nevada EMS Agencies – 2023**  
**n=39**

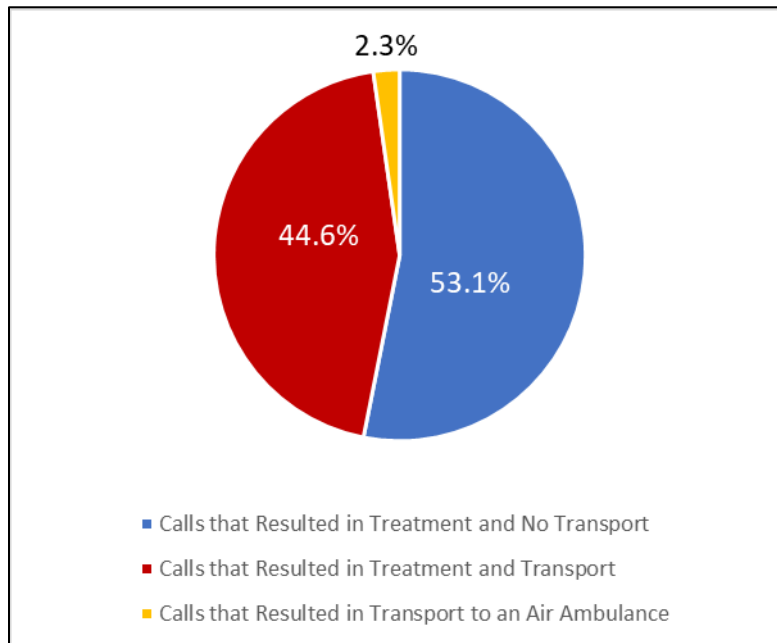
| Type of EMS Agency          | Number of Calls Received in the 2023 Calendar Year |              | Average Monthly Call Time per Response |           | Service Area Coverage (square miles) |
|-----------------------------|--|--------------|--|-----------|--------------------------------------|
|                             | Number   | Percent      | Hours                                  | Minutes   | Number                               |
| Volunteer EMS               | 6,150  | 3.0          | 2                                      | 35        | 64,706                               |
| Private EMS                 | 7,697  | 3.8          | 6                                      | 23        | 70,271                               |
| Fire Department – Paid      | 178,804  | 88.1         | 1                                      | 35        | 36,661                               |
| Fire Department – Volunteer | 151,715  | 74.8         | 1                                      | 29        | 35,078                               |
| Hospital-Based EMS          | 8,475  | 4.2          | 5                                      | 17        | 21,544                               |
| Tribal EMS Agency           | 1,852  | 0.9          | 2                                      | 20        | 9,308                                |
| City/County EMS             | 5,782  | 2.8          | 3                                      | 33        | 37,818                               |
| <b>Total responses</b>      | <b>202,933</b>                                     | <b>100.0</b> | <b>2</b>                               | <b>23</b> | <b>207,566</b>                       |

**Figure 5: Ground Ambulance Responses – 2023**  
n=38

| Type of EMS Agency          | Treatment and No Transport |             | Treatment and Transport |             | Transport to an Air Ambulance |            | Total Number of Responses |
|-----------------------------|----------------------------|-------------|-------------------------|-------------|-------------------------------|------------|---------------------------|
|                             | Number                     | Percent     | Number                  | Percent     | Number                        | Percent    |                           |
| Volunteer EMS               | 1,411                      | 27.1        | 3,187                   | 61.2        | 609                           | 11.7       | 5,207                     |
| Private EMS                 | 1,204                      | 26.4        | 3,015                   | 66.1        | 339                           | 7.4        | 4,558                     |
| Fire Department – Paid      | 35,410                     | 62.2        | 20,843                  | 36.6        | 672                           | 1.2        | 56,925                    |
| Fire Department – Volunteer | 27,819                     | 74.9        | 8,835                   | 23.8        | 469                           | 1.3        | 37,123                    |
| Hospital-Based EMS          | 2,034                      | 27.1        | 5,309                   | 70.7        | 164                           | 2.2        | 7,507                     |
| Tribal EMS Agency           | 438                        | 29.9        | 892                     | 61.0        | 133                           | 9.1        | 1,463                     |
| City/County EMS             | 731                        | 17.9        | 3,042                   | 74.4        | 314                           | 7.7        | 4,087                     |
| <b>Total responses</b>      | <b>39,827</b>              | <b>53.1</b> | <b>33,423</b>           | <b>44.6</b> | <b>1,708</b>                  | <b>2.3</b> | <b>74,959</b>             |

Note: Transport to an Air Ambulance are a sub-set of treatment and transport calls.

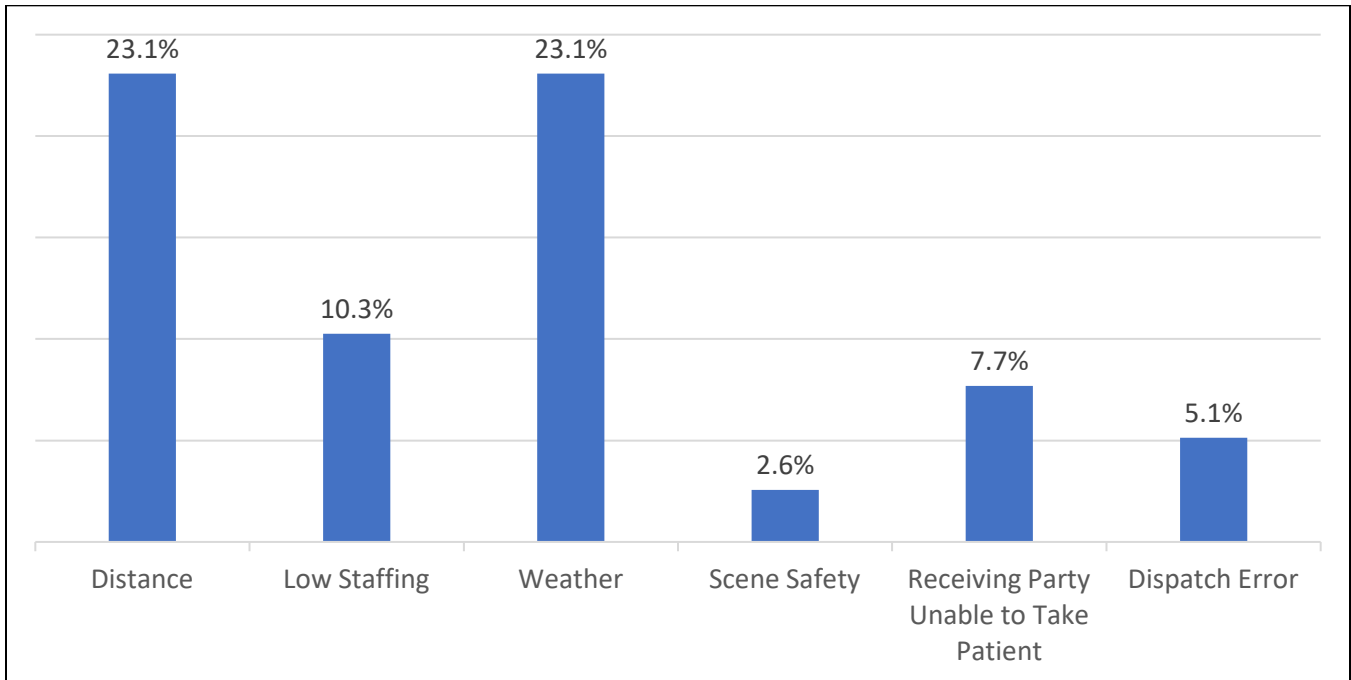
**Figure 6: Ground Ambulance Responses – 2023**



**Figure 7: Responses that were Delayed – 2023**  
n=39

| Type of EMS Agency          | Number of Delayed Responses | Percent of Calls |
|-----------------------------|-----------------------------|------------------|
| Volunteer EMS               | 618                         | 11.9             |
| Private EMS                 | 460                         | 10.1             |
| Fire Department – Paid      | 710                         | 1.2              |
| Fire Department – Volunteer | 286                         | 0.8              |
| Hospital-Based EMS          | 121                         | 1.6              |
| Tribal EMS Agency           | 167                         | 11.4             |
| City/County EMS             | 127                         | 3.1              |
| <b>Total responses</b>      |                             |                  |
|                             | 1,768                       | 2.4              |

**Figure 8: Primary Reasons for Delayed Responses – 2023**



## Rural Nevada EMS Capacity Assessment

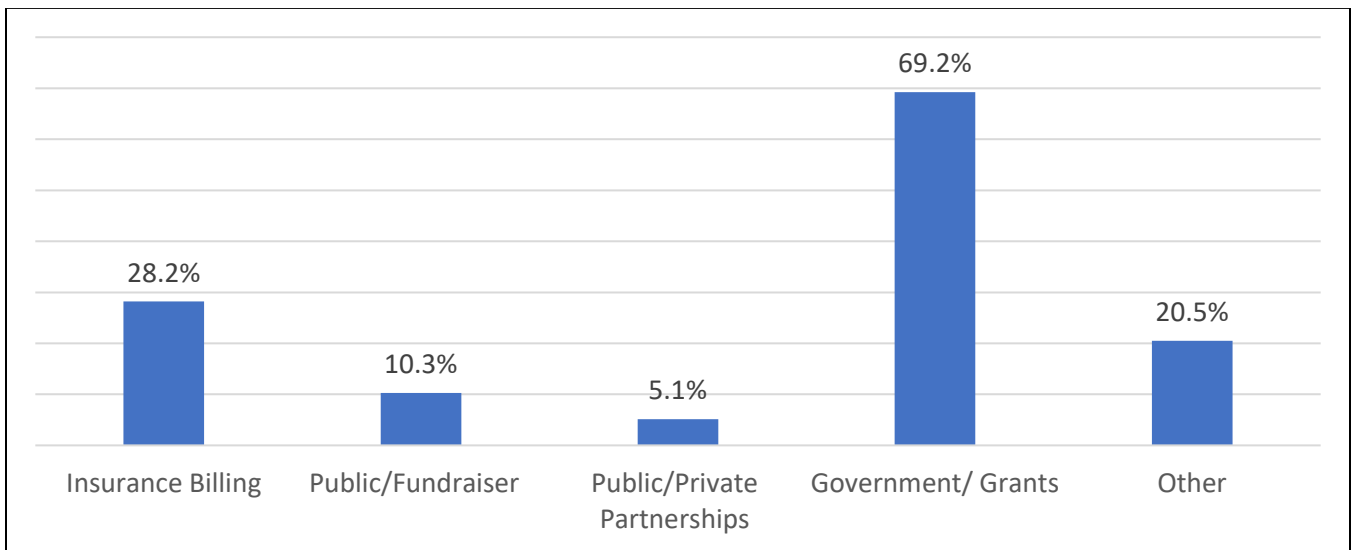
### Section Two: Billing and Funding

- Private EMS agencies rely most on insurance billing to fund themselves (87.5%), while government grants accounted for at least 50% of funding for Volunteer EMS, Paid and Volunteer Fire Departments, Hospital-based EMS, Tribal EMS, and City/County EMS agencies (Figure 9).
- The greatest proportion funding rural EMS agencies comes from the government and grants (69.2%) (Figure 10).
- All EMS agencies outsource or rely on a third party to conduct their billing processes. City/County EMS agencies outsource all their billing (100.0%) while Private EMS agencies only outsource 12.5% of their billing (Figure 11).
- Rural EMS agencies contract 61.5% of their billing processes to outside companies (Figure 12).
- All rural EMS agency types bill Medicare more often than any other type of insurance, except for Private EMS agencies, who bill private and commercial insurance most (43.5%), and Tribal EMS agencies, who bill Medicaid most (55.0%) (Figure 13).
- In 2023, rural EMS agencies billed Military and Tricare patients the least often (4.3%) (Figure 14).
- Half of the subscription services offered by rural EMS agencies are offered by paid fire departments (7). (Figure 15).
- Only one in four rural EMS agencies offer subscription services to the communities they serve (25.6%) (Figure 16).
- The main source of funding for rural EMS agency personnel education and training comes from the agency and internal sources (79.5%), accounting for more than half of training funds for every agency type besides Tribal EMS (20.0%) and City/County EMS (42.9%) (Figure 17).
- Lack of resources was the largest barrier to applying for grants and funding for rural EMS agencies (39.5%) (Figure 18).

**Figure 9: Sources of Rural Nevada EMS Agency Funding – 2023**  
n=39

| Type of EMS Agency          | Insurance Billing |             | Public/<br>Fundraiser |             | Public/ Private<br>Partnerships |            | Government/<br>Grants |             | Other    |             |
|-----------------------------|-------------------|-------------|-----------------------|-------------|---------------------------------|------------|-----------------------|-------------|----------|-------------|
|                             | Number            | Percent     | Number                | Percent     | Number                          | Percent    | Number                | Percent     | Number   | Percent     |
| Volunteer EMS               | 2                 | 12.5        | 1                     | 6.3         | 0                               | 0.0        | 11                    | 68.8        | 2        | 12.5        |
| Private EMS                 | 7                 | 87.5        | 0                     | 0.0         | 0                               | 0.0        | 0                     | 0.0         | 1        | 12.5        |
| Fire Department – Paid      | 3                 | 12.0        | 4                     | 16.0        | 2                               | 8.0        | 14                    | 56.0        | 2        | 8.0         |
| Fire Department – Volunteer | 1                 | 6.7         | 2                     | 13.3        | 1                               | 6.7        | 10                    | 66.7        | 1        | 6.7         |
| Hospital-Based EMS          | 1                 | 25.0        | 0                     | 0.0         | 0                               | 0.0        | 2                     | 50.0        | 1        | 25.0        |
| Tribal EMS Agency           | 0                 | 0.0         | 0                     | 0.0         | 0                               | 0.0        | 3                     | 100.        | 0        | 0.0         |
| City/County EMS             | 0                 | 0.0         | 0                     | 0.0         | 0                               | 0.0        | 3                     | 50.0        | 3        | 50.0        |
| <b>Total responses</b>      | <b>11</b>         | <b>28.2</b> | <b>4</b>              | <b>10.3</b> | <b>2</b>                        | <b>5.1</b> | <b>27</b>             | <b>69.2</b> | <b>8</b> | <b>20.5</b> |

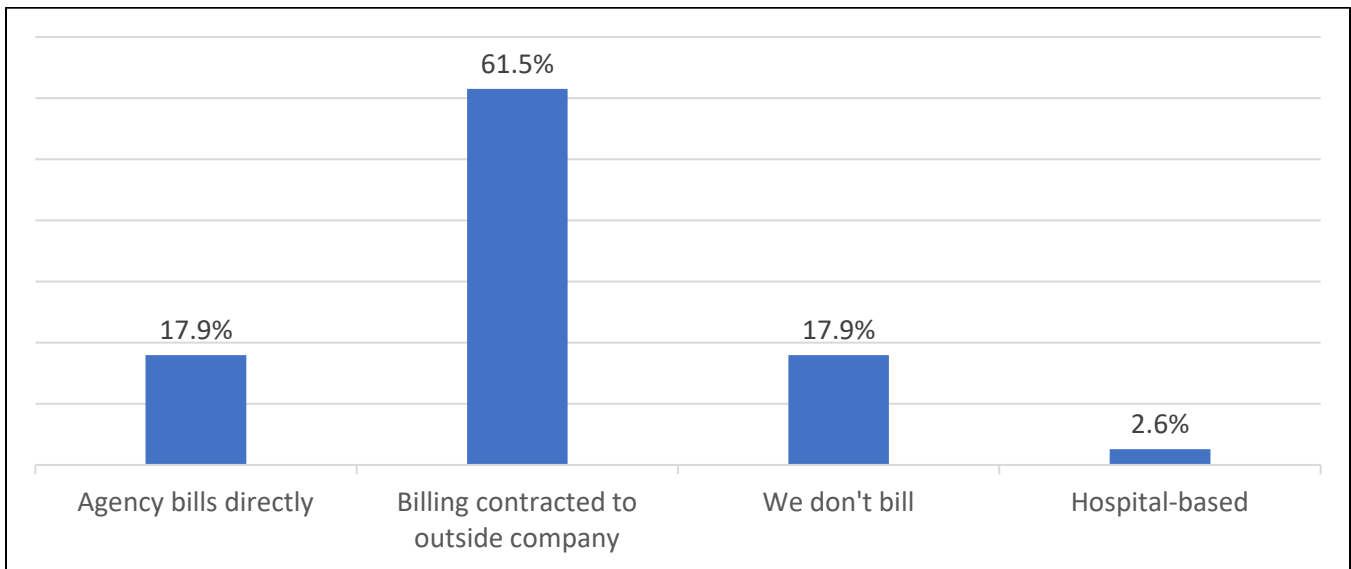
**Figure 10: Funding Sources for Rural Nevada EMS Agencies – 2023**  
n=39



**Figure 11: Billing Processes for Rural Nevada EMS Agencies – 2023**  
n=39

| Type of EMS Agency          | EMS Agency Bills Directly |             | Third Party or Outsourced |             | Do Not Bill for Services |             | Hospital-based |            |
|-----------------------------|---------------------------|-------------|---------------------------|-------------|--------------------------|-------------|----------------|------------|
|                             | Number                    | Percent     | Number                    | Percent     | Number                   | Percent     | Number         | Percent    |
| Volunteer EMS               | 1                         | 8.3         | 9                         | 75.0        | 2                        | 16.7        | 0              | 0.0        |
| Private EMS                 | 3                         | 37.5        | 1                         | 12.5        | 4                        | 50.0        | 0              | 0.0        |
| Fire Department – Paid      | 3                         | 17.6        | 12                        | 70.6        | 2                        | 11.8        | 0              | 0.0        |
| Fire Department – Volunteer | 1                         | 10.0        | 9                         | 90.0        | 0                        | 0.0         | 0              | 0.0        |
| Hospital-Based EMS          | 0                         | 0.0         | 2                         | 66.7        | 0                        | 0.0         | 1              | 33.3       |
| Tribal EMS Agency           | 1                         | 33.3        | 2                         | 66.7        | 0                        | 0.0         | 0              | 0.0        |
| City/County EMS             | 0                         | 0.0         | 4                         | 100.0       | 0                        | 0.0         | 0              | 0.0        |
| <b>Total responses</b>      | <b>7</b>                  | <b>17.9</b> | <b>24</b>                 | <b>61.5</b> | <b>7</b>                 | <b>17.9</b> | <b>1</b>       | <b>2.6</b> |

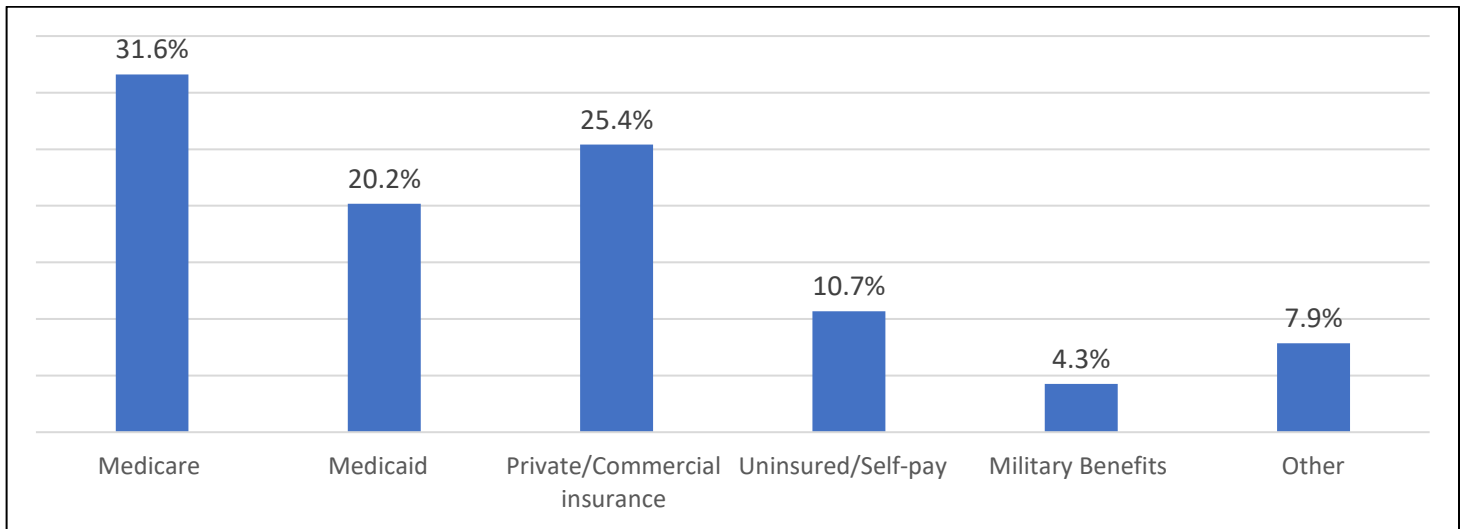
**Figure 12: Rural Nevada EMS Billing Processes – 2023**  
n=39



**Figure 13: Type of Insurance Typically Billed by Rural Nevada EMS Agencies – 2023**  
n=37

| Type of EMS Agency          | Insurance Billed (Percent) |             |                                     |                        |                      |            |
|-----------------------------|----------------------------|-------------|-------------------------------------|------------------------|----------------------|------------|
|                             | Medicare                   | Medicaid    | Private/<br>Commercial<br>Insurance | Uninsured/<br>Self-Pay | Military<br>Benefits | Other      |
| Volunteer EMS               | 38.9                       | 16.8        | 20.5                                | 20.6                   | 2.6                  | 0.6        |
| Private EMS                 | 12.3                       | 10.5        | 43.5                                | 4.4                    | 2.8                  | 26.6       |
| Fire Department – Paid      | 36.8                       | 17.6        | 21.0                                | 10.4                   | 6.1                  | 8.9        |
| Fire Department – Volunteer | 37.4                       | 24.5        | 18.2                                | 17.6                   | 1.7                  | 0.6        |
| Hospital-Based EMS          | 40.3                       | 22.3        | 19.7                                | 10.7                   | 6.3                  | 0.7        |
| Tribal EMS Agency           | 26.7                       | 55.0        | 5.0                                 | 2.3                    | 0.7                  | 10.3       |
| City/County EMS             | 32.3                       | 26.3        | 27.5                                | 8.5                    | 5.0                  | 0.5        |
| <b>Total responses</b>      | <b>31.6</b>                | <b>20.2</b> | <b>25.4</b>                         | <b>10.7</b>            | <b>4.3</b>           | <b>7.9</b> |

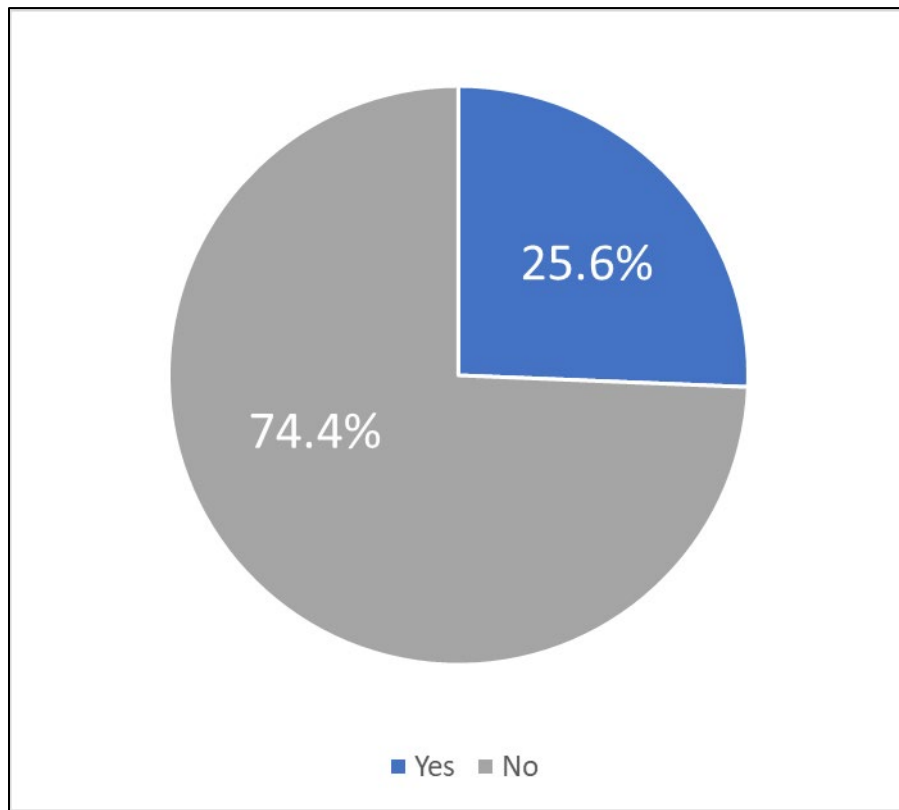
**Figure 14: Type of Insurance Typically Billed by Rural Nevada EMS Agencies Overall – 2023**  
n=37



**Figure 15: Rural Nevada EMS Agencies Offering Subscription Services – 2023**

| Type of EMS Agency          | Yes    |         |
|-----------------------------|--------|---------|
|                             | Number | Percent |
| Volunteer EMS               | 1      | 7.1     |
| Private EMS                 | 2      | 14.3    |
| Fire Department – Paid      | 7      | 50.0    |
| Fire Department – Volunteer | 2      | 14.3    |
| Hospital-Based EMS          | 1      | 7.1     |
| Tribal EMS Agency           | 1      | 7.1     |
| City/County EMS             | 0      | 0.0     |
| Total, n=39                 | 14     | 100.0   |

**Figure 16: Percentage of Agencies Offering Subscription Services – 2023**  
n=39



**Figure 17: Sources of Funding for Rural Nevada EMS Personnel Education and Training– 2023  
n=39**

| Type of EMS Agency          | Sources of Funding (Percent) |                     |            |                    |                         |            |
|-----------------------------|------------------------------|---------------------|------------|--------------------|-------------------------|------------|
|                             | None                         | Agency/<br>Internal | Hospital   | Federal<br>Funding | Grants/<br>Scholarships | Other      |
| Volunteer EMS               | 10.5                         | 52.6                | 0.0        | 5.3                | 21.1                    | 10.5       |
| Private EMS                 | 30.8                         | 53.8                | 7.7        | 0.0                | 7.7                     | 0.0        |
| Fire Department – Paid      | 15.4                         | 50.0                | 0.0        | 7.7                | 23.1                    | 3.8        |
| Fire Department – Volunteer | 11.8                         | 52.9                | 0.0        | 0.0                | 29.4                    | 5.9        |
| Hospital-Based EMS          | 0.0                          | 50.0                | 16.7       | 0.0                | 33.3                    | 0.0        |
| Tribal EMS Agency           | 0.0                          | 20.0                | 0.0        | 60.0               | 20.0                    | 0.0        |
| City/County EMS             | 0.0                          | 42.9                | 0.0        | 0.0                | 42.9                    | 14.3       |
| <b>Total responses</b>      | <b>17.9</b>                  | <b>79.5</b>         | <b>5.1</b> | <b>12.8</b>        | <b>30.8</b>             | <b>7.7</b> |

**Figure 18: Barriers to Applying for Rural EMS Training Grants and Funding – 2023  
n=38**

| Type of EMS Agency          | Barriers to Funding (Percent)        |   |  |                                       |   |             |
|-----------------------------|--------------------------------------|---|--|---------------------------------------|---|-------------|
|                             | Ineligible<br>for Grants/<br>Funding | Bureaucratic<br>Procedures<br>Limiting<br>Ability to<br>Apply for<br>Grants/<br>funding | Lack of<br>Resources<br>to Apply for<br>or Manage<br>Funding | Limited<br>Availability<br>of Funding | Lack of<br>Knowledge<br>about<br>Available<br>Funding | No Issues   |
| Volunteer EMS               | 0.0                                  | 14.3  | 50.0   | 7.1                                   | 7.1   | 21.4        |
| Private EMS                 | 50.0                                 | 0.0   | 12.5   | 12.5                                  | 0.0   | 25.0        |
| Fire Department – Paid      | 15.8                                 | 5.3   | 47.4   | 10.5                                  | 0.0   | 21.1        |
| Fire Department – Volunteer | 0.0                                  | 9.1   | 63.6   | 9.1                                   | 0.0   | 18.2        |
| Hospital-Based EMS          | 20.0                                 | 20.0  | 20.0   | 20.0                                  | 0.0   | 20.0        |
| Tribal EMS Agency           | 33.3                                 | 0.0   | 0.0  | 0.0                                   | 0.0   | 66.7        |
| City/County EMS             | 0.0                                  | 0.0   | 20.0   | 20.0                                  | 20.0  | 40.0        |
| <b>Total responses</b>      | <b>18.4</b>                          | <b>10.5</b>   | <b>39.5</b>  | <b>13.2</b>                           | <b>5.3</b>  | <b>31.6</b> |

# Rural Nevada EMS Capacity Assessment

## Section Three: Personnel

- In 2023, the greatest number of EMS personnel were full-time and paid (70.8%). Full-time paid Paramedics comprised the largest group of EMS personnel overall (708, 33.9%). Volunteers made up the second largest group of personnel (455, 21.8%) (Figure 19).
- Paid and Volunteer Fire Departments employed the most personnel with 91.8% of Paid Fire Department and 87.0% of Volunteer Fire Department personnel being full-time and paid. Volunteer EMS and City/County EMS agencies had the greatest proportion of their staff filled by volunteers (77.7% and 50.0% respectively) (Figure 20).
- EMS agencies need an additional 288 personnel to be fully staffed. EMT's without any fire/police/public safety role are needed in the greatest number (77) (Figure 21).
- Volunteer EMS agencies need the greatest number of personnel (161) and require an additional 50 EMTs and 54 AEMTs to fully staff their agencies. Hospital-based EMS agencies need to hire the fewest number of staff (11) (Figure 22).
- In the next two years, rural EMS agencies need to train 90 personnel to higher classification levels, with AEMT's being the highest training priority (28, 31.1%). (Figure 23).
- Rural EMS agencies identified location and geography, training requirements, and time burden and long hours as the top three barriers to recruitment of personnel (Figure 24).
- Rural EMS agencies identified location and geography as their number one barrier to retention and stress of EMS work as the second-most barrier to retention. Time burden, long hours, and low or no pay were identified as the third ranked barrier to retaining personnel in rural EMS agencies (Figure 25).

**Figure 19: Number of Rural Nevada EMS Agency Personnel by Classification and Compensation – 2023**

| Personnel Classification                                     | Full-time Paid |             | Part-time Paid |            | Volunteer  |             | Total        |
|--|----------------|-------------|----------------|------------|------------|-------------|--------------|
|  | Number         | Percent     | Number         | Percent    | Number     | Percent     |              |
| EMT - without fire/police/public safety role                 | 15             | 6.3         | 78             | 32.9       | 144        | 60.8        | 237          |
| EMT -with fire/police/public safety role                     | 72             | 46.5        | 5              | 3.2        | 78         | 50.3        | 155          |
| AEMT -without fire/police/public safety role                 | 35             | 25.2        | 17             | 12.2       | 87         | 62.6        | 139          |
| AEMT - with fire/police/public safety role                   | 601            | 91.5        | 1              | 1.5        | 46         | 7.0         | 657          |
| Paramedic, without fire/police/public safety role            | 74             | 67.9        | 34             | 31.2       | 1          | 0.9         | 109          |
| Paramedic, with fire/police/public safety role               | 634            | 97.8        | 6              | 0.9        | 8          | 1.2         | 648          |
| Medical staff (nurse, doctor, etc.)                          | 32             | 74.4        | 5              | 11.6       | 6          | 14.0        | 43           |
| Emergency Medical Responder (EMR) without public safety role | 4              | 13.8        | 0              | 0.0        | 25         | 86.2        | 29           |
| Emergency Medical Responder (EMR) with a public safety role  | 0              | 0.0         | 0              | 0.0        | 5          | 100.0       | 8            |
| Ambulance Driver (non-EMT/EMR) without public safety role    | 3              | 11.1        | 0              | 0.0        | 24         | 88.9        | 27           |
| Ambulance Driver (non-EMR/EMR) with public safety role       | 6              | 17.6        | 0              | 0.0        | 28         | 82.4        | 34           |
| <b>Total, n=39</b>   | <b>1,476</b>   | <b>70.8</b> | <b>155</b>     | <b>7.4</b> | <b>455</b> | <b>21.8</b> | <b>2,086</b> |

**Figure 20: Rural Nevada EMS Agency Personnel by Compensation – 2023**  
n=39

| Type of EMS Agency          | Full-time Paid |         | Part-time Paid |         | Volunteer |         | Total Number |
|-----------------------------|----------------|---------|----------------|---------|-----------|---------|--------------|
|                             | Number         | Percent | Number         | Percent | Number    | Percent |              |
| Volunteer EMS               | 59             | 21.2    | 3              | 1.1     | 216       | 77.7    | 278          |
| Private EMS                 | 99             | 31.0    | 99             | 31.0    | 121       | 37.9    | 319          |
| Fire Department – Paid      | 1,302          | 91.8    | 18             | 1.3     | 98        | 6.9     | 1,418        |
| Fire Department – Volunteer | 995            | 87.0    | 2              | 0.2     | 147       | 12.8    | 1,144        |
| Hospital-Based EMS          | 53             | 46.9    | 33             | 29.2    | 27        | 23.9    | 113          |
| Tribal EMS Agency           | 29             | 80.6    | 0              | 0.0     | 7         | 19.4    | 36           |
| City/County EMS             | 36             | 28.1    | 28             | 21.9    | 64        | 50.0    | 128          |

**Figure 21: Number of Personnel Required to Meet Staffing Needs in Rural Nevada EMS Agencies – 2023**

| Personnel Classification                                     | Current Staffing | Additional Personnel Needed to Fill Staffing Shortfall |      | Optimal Number of Personnel for Full Staffing |
|--|------------------|--|------|---|
|  |                  | #  | %    |   |
| EMT - without fire/police/public safety role                 | 237              | 77   | 24.5 | 314   |
| EMT -with fire/police/public safety role                     | 155              | 25   | 13.9 | 180   |
| AEMT -without fire/police/public safety role                 | 139              | 54   | 28.0 | 193   |
| AEMT - with fire/police/public safety role                   | 657              | 30   | 4.4  | 687   |
| Paramedic, without fire/police/public safety role            | 109              | 19   | 14.8 | 128   |
| Paramedic, with fire/police/public safety role               | 648              | 15   | 2.3  | 663   |
| Medical staff (nurse, doctor, etc.)                          | 43               | 0  | 0.0  | 43  |
| Emergency Medical Responder (EMR) without public safety role | 29               | 29   | 50.0 | 58  |
| Emergency Medical Responder (EMR) with a public safety role  | 8                | 1  | 11.1 | 9   |
| Ambulance Driver (non-EMT/EMR) without public safety role    | 27               | 23   | 46.0 | 50  |
| Ambulance Driver (non-EMR/EMR) with public safety role       | 34               | 15   | 30.6 | 49  |
| Total, n=39  | 2,086            | 288  | 12.1 | 2,374   |

**Figure 22: Number of Personnel Required to Meet Staffing Needs in by Agency Type – 2023**

| Personnel Classification                                     | Type of EMS Agency |             |                  |                       |                    |                   |                 |
|--|--------------------|-------------|------------------|-----------------------|--------------------|-------------------|-----------------|
|  | Volunteer EMS      | Private EMS | Fire Dept., Paid | Fire Dept., Volunteer | Hospital-Based EMS | Tribal EMS Agency | City/County EMS |
| EMT - without fire/police/public safety role                 | 44                 | 0           | 5                | 24                    | 3                  | 19                | 13              |
| EMT - with fire/police/public safety role                    | 6                  | 5           | 14               | 5                     | 0                  | 4                 | 10              |
| AEMT - without fire/police/public safety role                | 35                 | 2           | 5                | 15                    | 3                  | 8                 | 9               |
| AEMT - with fire/police/public safety role                   | 19                 | 0           | 24               | 19                    | 0                  | 3                 | 6               |
| Paramedic, without fire/police/public safety role            | 0                  | 14          | 0                | 0                     | 5                  | 0                 | 5               |
| Paramedic, with fire/police/public safety role               | 6                  | 0           | 15               | 6                     | 0                  | 9                 | 0               |
| Medical staff (nurse, doctor, etc.)                          | 0                  | 0           | 0                | 0                     | 0                  | 0                 | 0               |
| Emergency Medical Responder (EMR) without public safety role | 24                 | 0           | 4                | 24                    | 0                  | 5                 | 0               |
| Emergency Medical Responder (EMR) with a public safety role  | 1                  | 0           | 0                | 0                     | 0                  | 0                 | 0               |
| Ambulance Driver (non-EMT/EMR) without public safety role    | 23                 | 0           | 3                | 23                    | 0                  | 0                 | 0               |
| Ambulance Driver (non-EMR/EMR) with public safety role       | 3                  | 0           | 4                | 3                     | 0                  | 5                 | 6               |
| <b>Total, n=39</b>   | <b>161</b>         | <b>21</b>   | <b>74</b>        | <b>119</b>            | <b>11</b>          | <b>53</b>         | <b>49</b>       |

**Figure 23: Rural Nevada EMS Personnel Training Priorities for the Next Two Years – 2023**

| Training   | Number | Percent |
|--|--------|---------|
| EMR  | 7      | 7.8     |
| EMT  | 23     | 25.6    |
| AEMT   | 28     | 31.1    |
| Paramedic  | 19     | 21.1    |
| Other  | 13     | 14.4    |
| Total, n=39  | 90     | 100.0   |
| <p><i>Note: In the "other category, respondents noted the need for CCT, EMS Instructor, Lack of Paramedic Schools, Critical Care, Car seat/community education, Driver Only, Tactical EMS, ski patrol, PHTLS/PALS, Continuing education, Fire/Rescue, and Critical Care knowledge/skills</i></p> |        |         |

**Figure 24: Barriers for Recruitment of Rural Nevada EMS Agency Personnel – 2023  
n=39**

| Barriers               | Rank #1 | Rank #2 | Rank #3 |
|------------------------|---------|---------|---------|
| Aging EMS personnel    | 2       | 3       | 1       |
| Time burden/Long hours | 4       | 6       | 12      |
| Low pay/No pay         | 9       | 4       | 5       |
| Location/Geography     | 10      | 2       | 3       |
| Training Requirements  | 7       | 10      | 2       |
| Stress of EMS work     | 1       | 2       | 4       |
| Physical demands       | 1       | 2       | 1       |
| Lack of Interest       | 2       | 7       | 5       |
| Other                  | 3       | 2       | 3       |

**Figure 25: Barriers for Retention of Rural Nevada EMS Agency Personnel – 2023  
n=39**

| Barriers               | Rank #1 | Rank #2 | Rank #3 |
|------------------------|---------|---------|---------|
| Aging EMS personnel    | 8       | 4       | 2       |
| Time burden/Long hours | 5       | 7       | 8       |
| Low pay/No pay         | 8       | 4       | 8       |
| Location/Geography     | 11      | 5       | 2       |
| Training Requirements  | 2       | 5       | 2       |
| Stress of EMS work     | 2       | 8       | 2       |
| Physical demands       | 0       | 4       | 1       |
| Lack of Interest       | 0       | 0       | 7       |
| Other                  | 3       | 1       | 4       |

## Rural Nevada EMS Capacity Assessment

### Section Four: Quality Assurance and Improvement

- Most rural EMS agencies used START trauma triage protocols (79.5%). Only private EMS, Paid Fire Departments, and Volunteer Fire Departments used trauma triage protocols besides START and SMART protocols (Figure 26).
- Private EMS agencies participated in electronic Health Information Exchange most (5) while Tribal EMS and City/County EMS agencies did not participate at all. However, all Hospital-based EMS and 75.0% of Tribal EMS agencies showed interest in participating Tribal EMS and City/County EMS agencies showed the greatest interest in participating, (100.0% and 75.0% respectively) (Figure 27).
- Patient follow-up and discharge information is only provided to EMS agencies upon request for individual patients 73.7% of the time. Only one agency received discharge information for all patients (2.6%) (Figure 28).
- All EMS agencies receive feedback and monitoring of quality assurance and improvement from internal sources (100.0). Two agencies receive monitoring and feedback from a hospital (5.7%) and one receives feedback and monitoring from an accreditation board (2.9%) (Figure 29).
- Chart and case review is used to monitor quality in 45.7% of rural agencies for all calls and in 45.7% of agencies when issues arise (Figures 30 and 31).
- A combination of performance and clinical care is used as a supplement to chart and case review by 57.1% of rural EMS agencies with a quality monitoring program (Figures 32 and 33).

**Figure 26: Trauma Triage Protocols Used by Nevada Rural EMS Agencies – 2023  
n=39**

| Type of EMS Agency          | START     |             | SMART     |             | Other    |            |
|-----------------------------|-----------|-------------|-----------|-------------|----------|------------|
|                             | Number    | Percent     | Number    | Percent     | Number   | Percent    |
| Volunteer EMS               | 11        | 73.3        | 4         | 26.7        | 0        | 0.0        |
| Private EMS                 | 5         | 50.0        | 4         | 40.0        | 1        | 10.0       |
| Fire Department – Paid      | 15        | 68.2        | 6         | 27.3        | 1        | 4.5        |
| Fire Department – Volunteer | 9         | 69.2        | 3         | 23.1        | 1        | 7.7        |
| Hospital-Based EMS          | 2         | 66.7        | 1         | 33.3        | 0        | 0.0        |
| Tribal EMS Agency           | 2         | 50.0        | 2         | 50.0        | 0        | 0.0        |
| City/County EMS             | 4         | 100.0       | 0         | 0.0         | 0        | 0.0        |
| <b>Total responses</b>      | <b>31</b> | <b>79.5</b> | <b>16</b> | <b>41.0</b> | <b>2</b> | <b>5.1</b> |

**Figure 27: Rural Nevada EMS Agencies Participation in Electronic Health Information Exchange – 2023  
n=37**

| Type of EMS Agency          | Yes       |             | No, Agency is Interested |             | No, Agency is Not Interested |             |
|-----------------------------|-----------|-------------|--------------------------|-------------|------------------------------|-------------|
|                             | Number    | Percent     | Number                   | Percent     | Number                       | Percent     |
| Volunteer EMS               | 2         | 20.0        | 7                        | 70.0        | 1                            | 10.0        |
| Private EMS                 | 5         | 62.5        | 0                        | 0.0         | 3                            | 37.5        |
| Fire Department – Paid      | 3         | 17.6        | 11                       | 64.7        | 3                            | 17.6        |
| Fire Department – Volunteer | 3         | 30.0        | 6                        | 60.0        | 1                            | 10.0        |
| Hospital-Based EMS          | 1         | 33.3        | 2                        | 66.7        | 0                            | 0.0         |
| Tribal EMS Agency           | 0         | 0.0         | 3                        | 100.0       | 0                            | 0.0         |
| City/County EMS             | 0         | 0.0         | 3                        | 75.0        | 1                            | 25.0        |
| <b>Total responses</b>      | <b>10</b> | <b>27.0</b> | <b>20</b>                | <b>54.1</b> | <b>7</b>                     | <b>18.9</b> |

**Figure 28: Patient Follow-up Discharge Information Sent to Rural Nevada EMS Agencies from Receiving Hospitals – 2023**

| Discharge Information                                     | Number | Percent |
|---|--------|---------|
| Yes - All Patients  | 1      | 2.6     |
| Yes - On Trauma/STEMI/Stroke patients                     | 2      | 5.3     |
| Yes - When requested by EMS agency on individual Patients | 28     | 73.7    |
| No - We don't ask for patient follow-up information       | 7      | 18.4    |
| Total, n=38   | 38     | 100.0   |

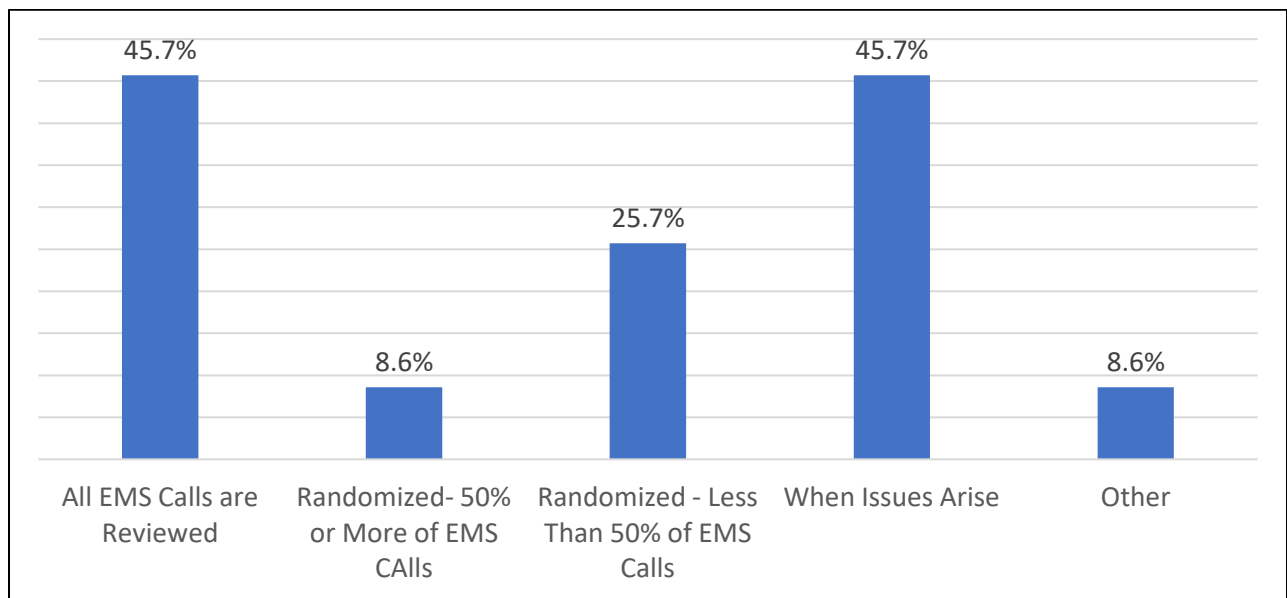
**Figure 29: Sources of Quality Monitoring and Feedback for Rural Nevada EMS Agencies – 2023**  
n=35

| Type of EMS Agency          | Internal |         | Local/ Major Hospital |         | Educational Entity/ Accreditation Board |         |
|-----------------------------|----------|---------|-----------------------|---------|---|---------|
|                             | Number   | Percent | Number                | Percent | Number                                  | Percent |
| Volunteer EMS               | 11       | 100.0   | 0                     | 0.0     | 0                                       | 0.0     |
| Private EMS                 | 9        | 90.0    | 0                     | 0.0     | 1                                       | 10.0    |
| Fire Department – Paid      | 23       | 100.0   | 0                     | 0.0     | 0                                       | 0.0     |
| Fire Department – Volunteer | 12       | 100.0   | 0                     | 0.0     | 0                                       | 0.0     |
| Hospital-Based EMS          | 4        | 80.0    | 1                     | 20.0    | 0                                       | 0.0     |
| Tribal EMS Agency           | 3        | 100.0   | 0                     | 0.0     | 0                                       | 0.0     |
| City/County EMS             | 5        | 83.3    | 1                     | 16.7    | 0                                       | 0.0     |
| Total responses             | 35       | 100.0   | 2                     | 5.7     | 1                                       | 2.9     |

**Figure 30: Use of Chart and Case Review to Monitor Quality Among Rural Nevada EMS Agencies – 2023**  
n=35

| Type of EMS Agency          | All EMS Calls Are Reviewed |             | Randomized - 50% or More of EMS Calls |            | Randomized - Less Than 50% of EMS Calls |             | When Issues Arise |             | Other    |            |
|-----------------------------|----------------------------|-------------|---------------------------------------|------------|---|-------------|-------------------|-------------|----------|------------|
|                             | Number                     | Percent     | Number                                | Percent    | Number                                  | Percent     | Number            | Percent     | Number   | Percent    |
| Volunteer EMS               | 4                          | 40.0        | 2                                     | 20.0       | 0                                       | 0.0         | 3                 | 30.0        | 1        | 10.0       |
| Private EMS                 | 4                          | 36.4        | 1                                     | 9.1        | 2                                       | 18.2        | 4                 | 36.4        | 0        | 0.0        |
| Fire Department – Paid      | 8                          | 34.8        | 0                                     | 0.0        | 7                                       | 30.4        | 6                 | 26.1        | 2        | 8.7        |
| Fire Department – Volunteer | 4                          | 30.8        | 1                                     | 7.7        | 2                                       | 15.4        | 4                 | 30.8        | 2        | 15.4       |
| Hospital-Based EMS          | 3                          | 60.0        | 0                                     | 0.0        | 0                                       | 0.0         | 2                 | 40.0        | 0        | 0.0        |
| Tribal EMS Agency           | 2                          | 66.7        | 0                                     | 0.0        | 0                                       | 0.0         | 1                 | 33.3        | 0        | 0.0        |
| City/County EMS             | 1                          | 25.0        | 0                                     | 0.0        | 0                                       | 0.0         | 3                 | 75.0        | 0        | 0.0        |
| <b>Total responses</b>      | <b>16</b>                  | <b>45.7</b> | <b>3</b>                              | <b>8.6</b> | <b>9</b>                                | <b>25.7</b> | <b>16</b>         | <b>45.7</b> | <b>3</b> | <b>8.6</b> |

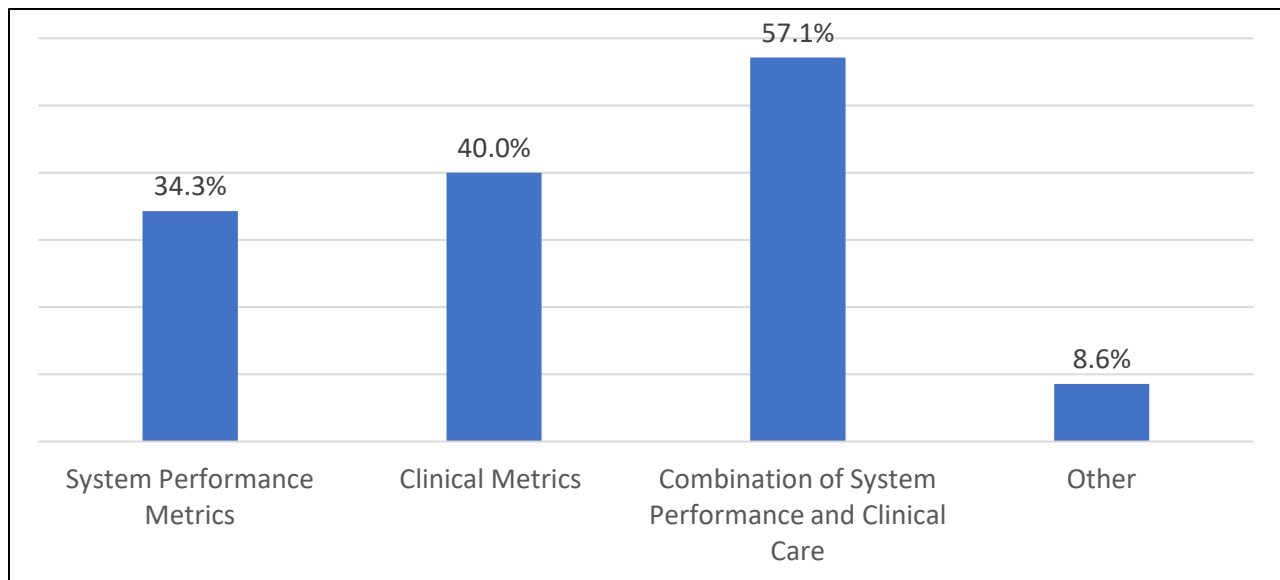
**Figure 31: Use of Chart and Case Review to Monitor Quality by Rural Nevada EMS Agencies – 2023**  
n=35



**Figure 32: Additional Metrics Used by Rural Nevada EMS Agencies for Quality Monitoring – 2023**  
n=35

| Type of EMS Agency          | System Performance Metrics (e.g., response times) |             | Clinical Metrics (e.g., patient oxygen application) |             | Combination of System Performance and Clinical Metrics |             | Other    |             |
|-----------------------------|---|-------------|---|-------------|--|-------------|----------|-------------|
|                             | Number  | Percent     | Number  | Percent     | Number   | Percent     | Number   | Percent     |
| Volunteer EMS               | 2   | 22.2        | 2   | 22.2        | 5  | 55.6        | 0        | 0.0         |
| Private EMS                 | 2   | 22.2        | 2   | 22.2        | 4  | 44.4        | 1        | 11.1        |
| Fire Department – Paid      | 4   | 22.2        | 7   | 38.9        | 6  | 33.3        | 1        | 5.6         |
| Fire Department – Volunteer | 1   | 11.1        | 2   | 22.2        | 6  | 66.7        | 0        | 0.0         |
| Hospital-Based EMS          | 1   | 25.0        | 1   | 25.0        | 1  | 25.0        | 1        | 25.0        |
| Tribal EMS Agency           | 2   | 33.3        | 2   | 33.3        | 2  | 33.3        | 0        | 0.0         |
| City/County EMS             | 2   | 40.0        | 1   | 20.0        | 1  | 20.0        | 1        | 20.0        |
| <b>Total responses</b>      | <b>12</b>   | <b>34.3</b> | <b>12</b>   | <b>34.3</b> | <b>20</b>  | <b>57.1</b> | <b>5</b> | <b>14.3</b> |

**Figure 33: Additional Metrics Used in Quality Monitoring Among Rural Nevada EMS Agencies – 2023**  
n=35



## Rural Nevada EMS Capacity Assessment

### Section Five: Communications and Dispatch

- Cellular telephones are used by 92.1% of rural EMS agencies while simple UHF and VHF radios are used by 86.8% of agencies to communicate (Figure 34).
- The Nevada Shared Radio System is only used by 7.9% of EMS agencies as their primary method of dispatch (Figure 35).
- Nearly all agencies have the ability to communicate by radio with local hospitals that receive transported patients (94.7%). Only 63.2% of agencies can communicate by radio with neighboring or adjoining EMS agencies that also respond to incident scenes (Figure 36).
- Nearly all Volunteer EMS agencies use law enforcement departments as their dispatch center (81.8%). Self-dispatch systems are most used by Private EMS agencies (66.7%) (Figure 37).
- The majority of EMS agencies use law enforcement departments as their dispatch center (57.9%) (Figure 38).
- Priority dispatch systems are used by 52.6% of rural EMS agencies (Figure 39).
- Rural EMS agencies have 42.1 % of their entire staff certified in emergency medical dispatch (Figure 40).
- Of staff working in dispatch centers, law enforcement departments have 45.5% of their staff certified in emergency dispatch, while 50.0% of personnel in EMS agencies that self-dispatch are certified (Figure 41).

**Figure 34: Communication Devices Used by Rural Nevada EMS Agencies – 2023  
n=38**

| Communication Devices   | Percent of Total EMS Agencies, n=38 |
|---|-------------------------------------|
| Cellular Telephones   | 92.1                                |
| Computer-based text communications (e.g., instant messaging)                            | 50.0                                |
| Pagers/Beepers  | 36.8                                |
| SATCOM (satellite-based radio communications equipment)                                 | 18.4                                |
| Self-Contained Deployable Communications System (e.g., stand-alone system for disaster) | 5.3                                 |
| Simple UHF radios or Simple VHF radios  | 86.8                                |
| Trunked Radio System  | 34.2                                |

**Figure 35: The Primary Method of Dispatch Used by Rural Nevada EMS Agencies – 2023  
n=38**

| Method of Dispatch                                    | Percent of Total EMS Agencies, n=38 |
|---|-------------------------------------|
| Computer-Assisted Dispatch (CAD) with GPS location    | 44.7                                |
| Computer-Assisted Dispatch (CAD) without GPS location | 13.2                                |
| Combination of pager/telephone/radio but no CAD       | 15.8                                |
| Nevada Shared Radio System                            | 7.9                                 |
| Pager/Beeper  | 10.5                                |
| Cellphone/Telephone                                   | 7.9                                 |

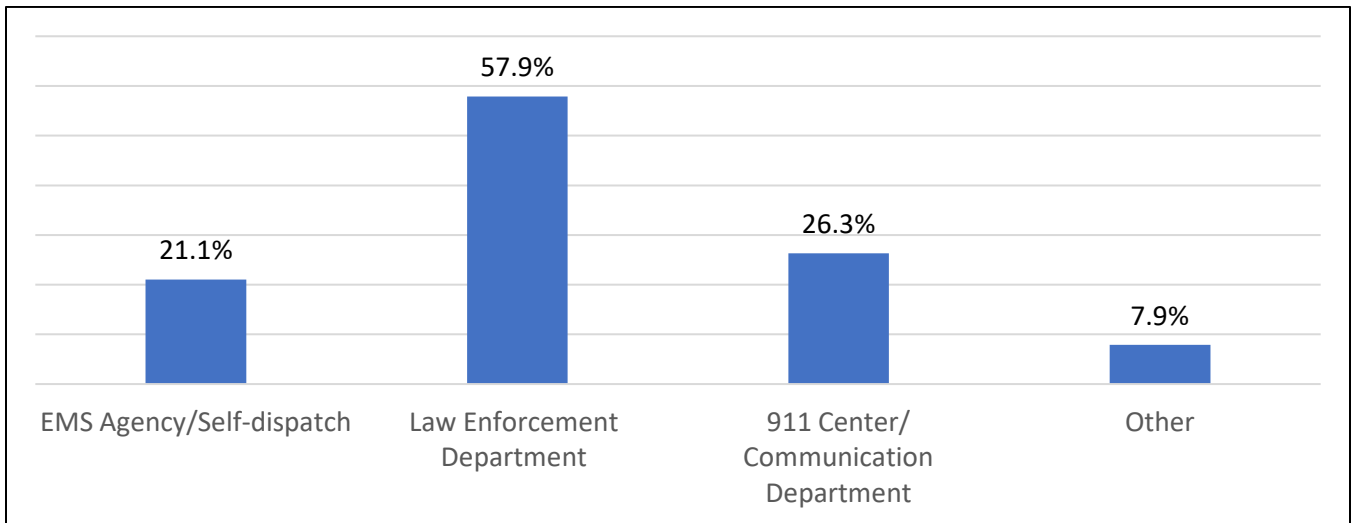
**Figure 36: Dispatch and Communication Capabilities in Rural Nevada EMS Agencies – 2023**  
**n=38**

| Dispatch Abilities   | Percent of Total EMS Agencies |
|--|-------------------------------|
| Ability to communicate by radio with local hospitals that receive transported patients                       | 94.7                          |
| Ability to communicate by radio with non-local hospitals that receive transported patients                   | 39.5                          |
| Ability to communicate by radio with neighboring/adjoining EMS agencies that also respond to incident scenes | 63.2                          |
| Bilingual Dispatchers  | 13.2                          |
| Have a language line for translation services  | 18.4                          |
| Have tele-printers or telecommunications device for the deaf   | 7.9                           |
| Other  | 7.9                           |

**Figure 37: Dispatch Center Operations in Rural Nevada EMS Agencies – 2023**  
n=38

| Type of EMS Agency          | EMS Agency/Self-dispatch |             | Law Enforcement Department (Police, Sherriff) |             | 911 Center/ Communication Department |             | Other    |            |
|-----------------------------|--------------------------|-------------|---|-------------|--------------------------------------|-------------|----------|------------|
|                             | Number                   | Percent     | Number  | Percent     | Number                               | Percent     | Number   | Percent    |
| Volunteer EMS               | 0                        | 0.0         | 9   | 81.8        | 2                                    | 18.2        | 0        | 0.0        |
| Private EMS                 | 6                        | 66.7        | 1   | 11.1        | 1                                    | 11.1        | 1        | 11.1       |
| Fire Department – Paid      | 1                        | 5.6         | 9   | 50.0        | 6                                    | 33.3        | 2        | 11.1       |
| Fire Department – Volunteer | 1                        | 10.0        | 6   | 60.0        | 3                                    | 30.0        | 0        | 0.0        |
| Hospital-Based EMS          | 0                        | 0.0         | 3   | 75.0        | 0                                    | 0.0         | 1        | 25.0       |
| Tribal EMS Agency           | 1                        | 25.0        | 3   | 75.0        | 0                                    | 0.0         | 0        | 0.0        |
| City/County EMS             | 0                        | 0.0         | 3   | 60.0        | 2                                    | 40.0        | 0        | 0.0        |
| <b>Total responses</b>      | <b>8</b>                 | <b>21.1</b> | <b>22</b>                                     | <b>57.9</b> | <b>10</b>                            | <b>26.3</b> | <b>3</b> | <b>7.9</b> |

**Figure 38: Overall Dispatch Center Operations in Rural Nevada EMS Agencies – 2023**  
n=38



**Figure 39: Priority Dispatch Systems Use by Rural Nevada EMS Agencies – 2023  
n=38**

| Type of EMS Agency          | Yes    |         | No     |         |
|-----------------------------|--------|---------|--------|---------|
|                             | Number | Percent | Number | Percent |
| Volunteer EMS               | 5      | 45.5    | 6      | 54.5    |
| Private EMS                 | 4      | 50.0    | 4      | 50.0    |
| Fire Department – Paid      | 10     | 58.8    | 7      | 41.2    |
| Fire Department – Volunteer | 5      | 50.0    | 5      | 50.0    |
| Hospital-Based EMS          | 1      | 9.1     | 2      | 18.2    |
| Tribal EMS Agency           | 1      | 33.3    | 2      | 66.7    |
| City/County EMS             | 2      | 50.0    | 2      | 50.0    |
| Total responses             | 20     | 52.6    | 18     | 47.4    |

**Figure 40: Rural Nevada EMS Agencies Staff Certified in Emergency Medical Dispatch – 2023**  
n=38

| Type of EMS Agency          | All Staff |         | Some Staff |         | None   |         |
|-----------------------------|-----------|---------|------------|---------|--------|---------|
|                             | Number    | Percent | Number     | Percent | Number | Percent |
| Volunteer EMS               | 3         | 27.3    | 5          | 45.5    | 3      | 27.3    |
| Private EMS                 | 2         | 25.0    | 1          | 12.5    | 5      | 62.5    |
| Fire Department – Paid      | 9         | 52.9    | 6          | 35.3    | 2      | 11.8    |
| Fire Department – Volunteer | 4         | 40.0    | 5          | 50.0    | 1      | 10.0    |
| Hospital-Based EMS          | 2         | 66.7    | 0          | 0.0     | 1      | 33.3    |
| Tribal EMS Agency           | 1         | 33.3    | 1          | 33.3    | 1      | 33.3    |
| City/County EMS             | 2         | 50.0    | 0          | 50.0    | 2      | 50.0    |
| Total responses             | 16        | 42.1    | 9          | 23.7    | 13     | 34.2    |

**Figure 41: Emergency Medical Dispatch Certified Staff in Dispatch Centers Serving Rural Nevada EMS Agencies – 2023**  
n=38

| Dispatch Center Type                          | All    |         | Some   |         | None   |         |
|---|--------|---------|--------|---------|--------|---------|
|   | Number | Percent | Number | Percent | Number | Percent |
| EMS Agency/Self-dispatch                      | 3      | 37.5    | 1      | 12.5    | 4      | 50.0    |
| Law Enforcement Department (Police, Sherriff) | 10     | 45.5    | 5      | 22.7    | 7      | 31.8    |
| 911 Center/ Communication Department          | 4      | 40.0    | 4      | 40.0    | 2      | 20.0    |
| Other   | 1      | 33.3    | 1      | 33.3    | 1      | 33.3    |

## Rural Nevada EMS Capacity Assessment

### Section Six: EMS Vehicles and Equipment

- At least half of vehicles in Hospital-based, Tribal, and City/County EMS agency fleets are licensed ground ambulances (57.1% and 50.0% and 69.7% respectively) (Figure 42).
- Rural EMS agencies had 517 vehicles in their fleets throughout 2023. Ground ambulances accounted for 35.8% of these vehicles (Figures 43 and 44).
- Volunteer EMS agencies need the most additional vehicles (23) with 7 being licensed ground ambulances (Figure 45).
- Of the vehicles most needed by rural EMS agencies, 41.8% are non-ambulance utility vehicles (Figures 46 and 47).
- When considering all of the vehicles that rural EMS agencies need to replace, Private EMS and Hospital-based EMS agencies need to replace the greatest percentage of licensed ground ambulances (66.7% and 71.4% respectively) (Figure 48).
- Rural Nevada EMS agencies need to replace 126 vehicles in their fleets, with 56 (44.4%) being licensed ground ambulances (Figures 49 and 50).
- Pediatric restraint systems are only installed within 100.0% of Volunteer, Hospital-based, Tribal, and City/County EMS agency fleets. (Figure 51).

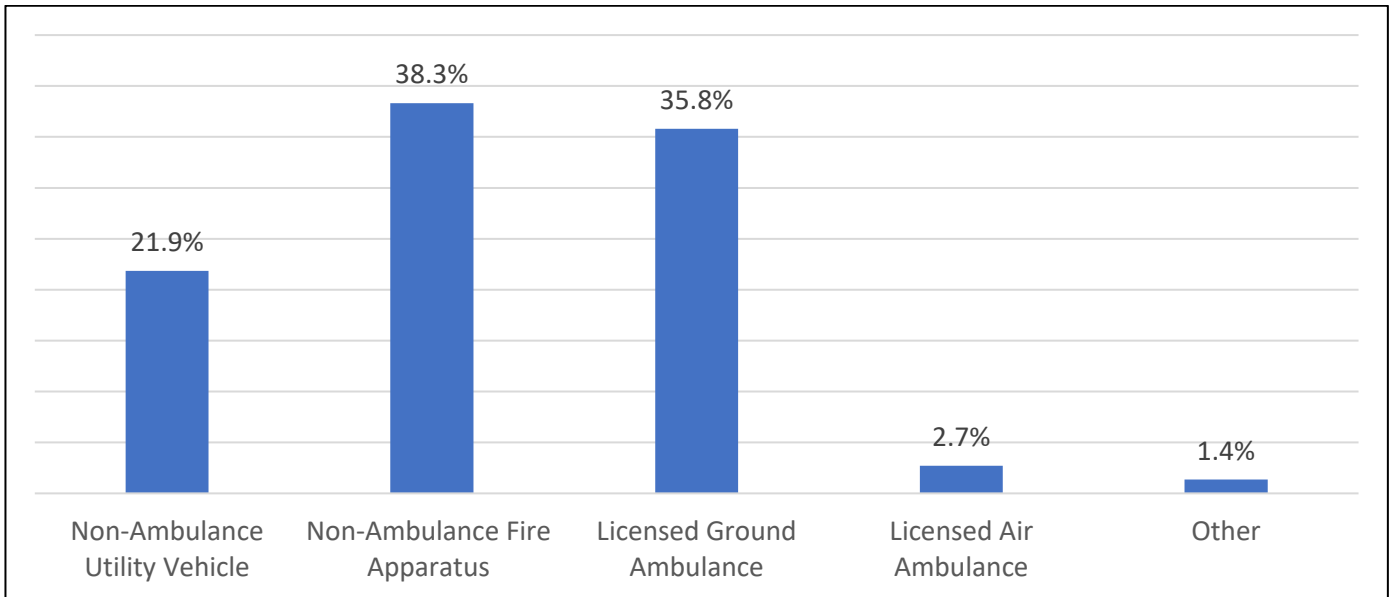
**Figure 42: Vehicles Used by Rural Nevada EMS Agency Types – 2023**  
**n=37**

| Type of EMS Agency          | Non-Ambulance Utility Vehicles<br>(i.e., Chief Supervisor) |         | Non-Ambulance Fire Apparatus<br>(i.e., engine, ladder truck, HAZMAT) |         | Licensed Ground Ambulances |         | Licensed Air Ambulances |         | Other  |         | Total |
|-----------------------------|--|---------|--|---------|----------------------------|---------|-------------------------|---------|--------|---------|-------|
|                             | Number   | Percent | Number   | Percent | Number                     | Percent | Number                  | Percent | Number | Percent |       |
| Volunteer EMS               | 28   | 20.1    | 74   | 53.2    | 35                         | 25.2    | 0                       | 0.0     | 2      | 1.4     | 139   |
| Private EMS                 | 17   | 26.6    | 8  | 12.5    | 25                         | 39.1    | 14                      | 21.9    | 0      | 0.0     | 64    |
| Fire Department – Paid      | 77   | 23.1    | 153  | 45.9    | 103                        | 30.9    | 0                       | 0.0     | 0      | 0.0     | 333   |
| Fire Department – Volunteer | 54   | 21.3    | 132  | 52.0    | 68                         | 26.8    | 0                       | 0.0     | 0      | 0.0     | 254   |
| Hospital-Based EMS          | 9  | 25.7    | 1  | 2.9     | 20                         | 57.1    | 0                       | 0.0     | 5      | 14.3    | 35    |
| Tribal EMS Agency           | 2  | 9.1     | 9  | 40.9    | 11                         | 50.0    | 0                       | 0.0     | 0      | 0.0     | 22    |
| City/County EMS             | 8  | 24.2    | 0  | 0.0     | 23                         | 69.7    | 0                       | 0.0     | 2      | 6.1     | 33    |

**Figure 43: Number and Percent of Vehicles Used by Rural Nevada EMS Agencies – 2023**

| Vehicle Type  | Number | Percent |
|---|--------|---------|
| Non-Ambulance Utility Vehicle (i.e., Chief/Supervisor)            | 113    | 21.9    |
| Non-ambulance Fire Apparatus (i.e., engine, ladder truck, HAZMAT) | 198    | 38.3    |
| Licensed Ground Ambulance   | 185    | 35.8    |
| Licensed Air Ambulance  | 14     | 2.7     |
| UTV/4 Door Rescue   | 3      | 0.6     |
| Other   | 4      | 0.8     |
| Total, n=37   | 517    | 100.0   |

**Figure 44: Percent of Vehicle Types in Rural Nevada EMS Agency Fleets – 2023**  
n=37



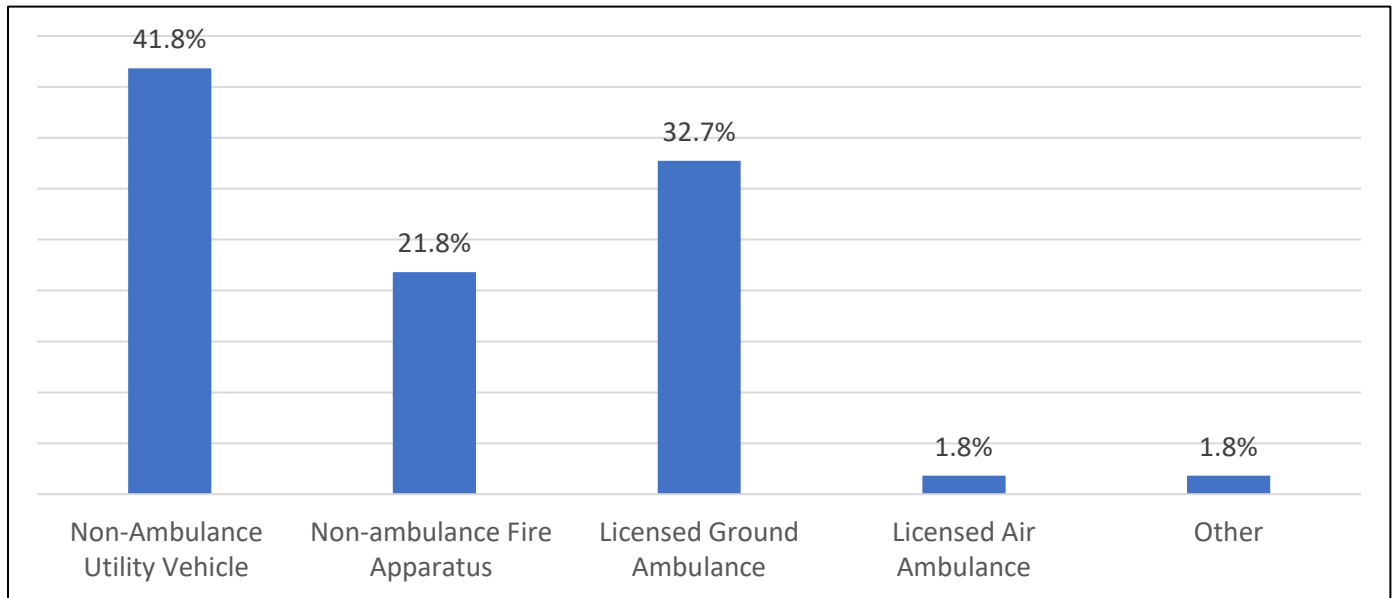
**Figure 45: Additional Vehicles Needed by Rural Nevada EMS Agencies – 2023**  
**n=37**

| Type of EMS Agency          | Non-Ambulance Utility Vehicles<br>(i.e., Chief Supervisor) |         | Non-Ambulance Fire Apparatus<br>(i.e., engine, ladder truck, HAZMAT) |         | Licensed Ground Ambulances |         | Licensed Air Ambulances |         | Other  |         | Total |
|-----------------------------|--|---------|--|---------|----------------------------|---------|-------------------------|---------|--------|---------|-------|
|                             | Number   | Percent | Number   | Percent | Number                     | Percent | Number                  | Percent | Number | Percent |       |
| Volunteer EMS               | 6  | 26.1    | 9  | 39.1    | 7                          | 30.4    | 0                       | 0.0     | 1      | 4.3     | 23    |
| Private EMS                 | 10   | 62.5    | 0  | 0.0     | 5                          | 31.3    | 1                       | 6.3     | 0      | 0.0     | 16    |
| Fire Department – Paid      | 3  | 16.7    | 6  | 33.3    | 9                          | 50.0    | 0                       | 0.0     | 0      | 0.0     | 18    |
| Fire Department – Volunteer | 4  | 18.2    | 9  | 40.9    | 8                          | 36.4    | 0                       | 0.0     | 1      | 4.5     | 22    |
| Hospital-Based EMS          | 3  | 75.0    | 0  | 0.0     | 1                          | 25.0    | 0                       | 0.0     | 0      | 0.0     | 4     |
| Tribal EMS Agency           | 4  | 44.4    | 3  | 33.3    | 2                          | 22.2    | 0                       | 0.0     | 0      | 0.0     | 9     |
| City/County EMS             | 2  | 100.0   | 0  | 0.0     | 0                          | 0.0     | 0                       | 0.0     | 0      | 0.0     | 2     |

**Figure 46: Vehicles Needed by Rural Nevada Agencies Overall – 2023**

| Vehicle Type  | Number | Percent |
|---|--------|---------|
| Non-Ambulance Utility Vehicle (i.e., Chief/Supervisor)            | 23     | 41.8    |
| Non-ambulance Fire Apparatus (i.e., engine, ladder truck, HAZMAT) | 12     | 21.8    |
| Licensed Ground Ambulance(s)                                      | 18     | 32.7    |
| Licensed Air Ambulance(s)   | 1      | 1.8     |
| Other   | 1      | 1.8     |
| Total, n=37   | 55     | 100.0   |

**Figure 47: Percent of Vehicles Needed by Rural Nevada Agencies Overall – 2023  
n=37**



**Figure 48: Vehicles that Rural Nevada EMS Agencies Need to Replace – 2023  
n=37**

| Type of EMS Agency          | Non-Ambulance Utility Vehicles<br>(i.e., Chief Supervisor) |         | Non-Ambulance Fire Apparatus<br>(i.e., engine, ladder truck, HAZMAT) |         | Licensed Ground Ambulances |         | Licensed Air Ambulances |         | Total  |
|-----------------------------|--|---------|--|---------|----------------------------|---------|-------------------------|---------|--------|
|                             | Number   | Percent | Number   | Percent | Number                     | Percent | Number                  | Percent | Number |
| Volunteer EMS               | 12   | 22.6    | 26   | 49.1    | 15                         | 28.3    | 0                       | 0.0     | 53     |
| Private EMS                 | 3  | 16.7    | 1  | 5.6     | 12                         | 66.7    | 2                       | 11.1    | 18     |
| Fire Department – Paid      | 18   | 27.3    | 24   | 36.4    | 24                         | 36.4    | 0                       | 0.0     | 66     |
| Fire Department – Volunteer | 17   | 29.3    | 25   | 43.1    | 16                         | 27.6    | 0                       | 0.0     | 58     |
| Hospital-Based EMS          | 2  | 28.6    | 0  | 0.0     | 5                          | 71.4    | 0                       | 0.0     | 7      |
| Tribal EMS Agency           | 2  | 25.0    | 4  | 50.0    | 2                          | 25.0    | 0                       | 0.0     | 8      |
| City/County EMS             | 2  | 18.2    | 0  | 0.0     | 9                          | 81.8    | 0                       | 0.0     | 11     |

**Figure 49: Vehicles that Rural Nevada EMS Agencies Need to Replace – 2023**

| Vehicle Type  | Number | Percent |
|---|--------|---------|
| Non-Ambulance Utility Vehicle (i.e., Chief/Supervisor)            | 28     | 22.2    |
| Non-ambulance Fire Apparatus (i.e., engine, ladder truck, HAZMAT) | 40     | 31.7    |
| Licensed Ground Ambulance   | 56     | 44.4    |
| Licensed Air Ambulance  | 2      | 1.6     |
| Total, n=37   | 126    | 100.0   |

**Figure 50: Percent Vehicles that Rural Nevada EMS Agencies Need to Replace – 2023  
n=37**

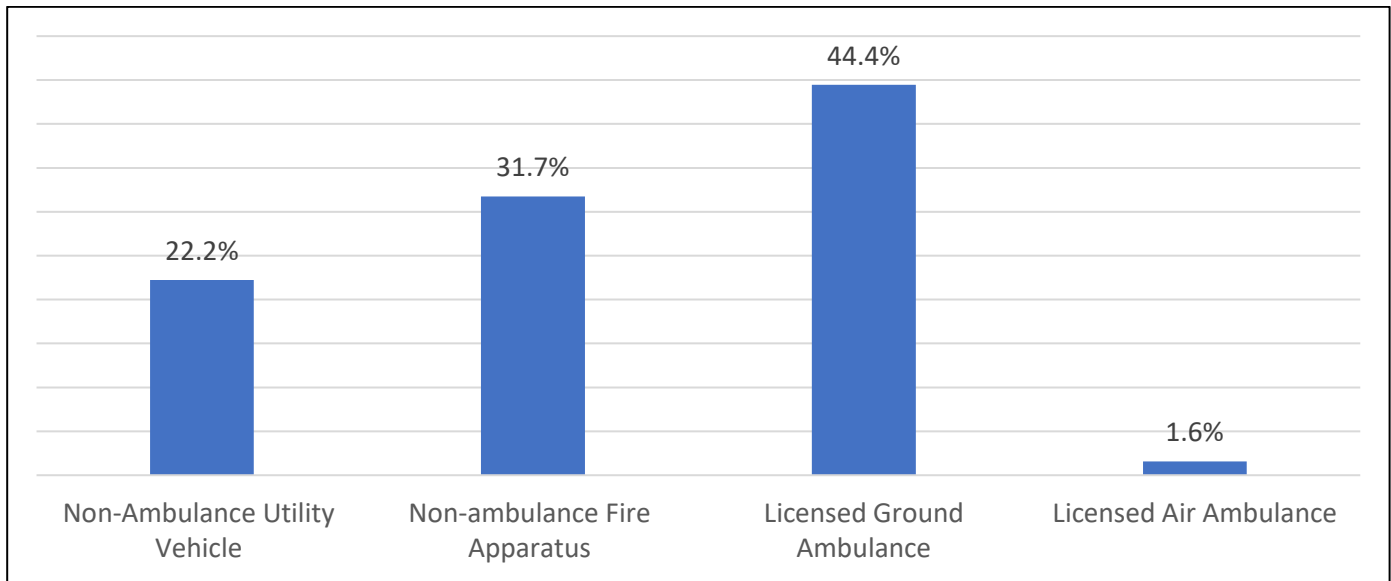
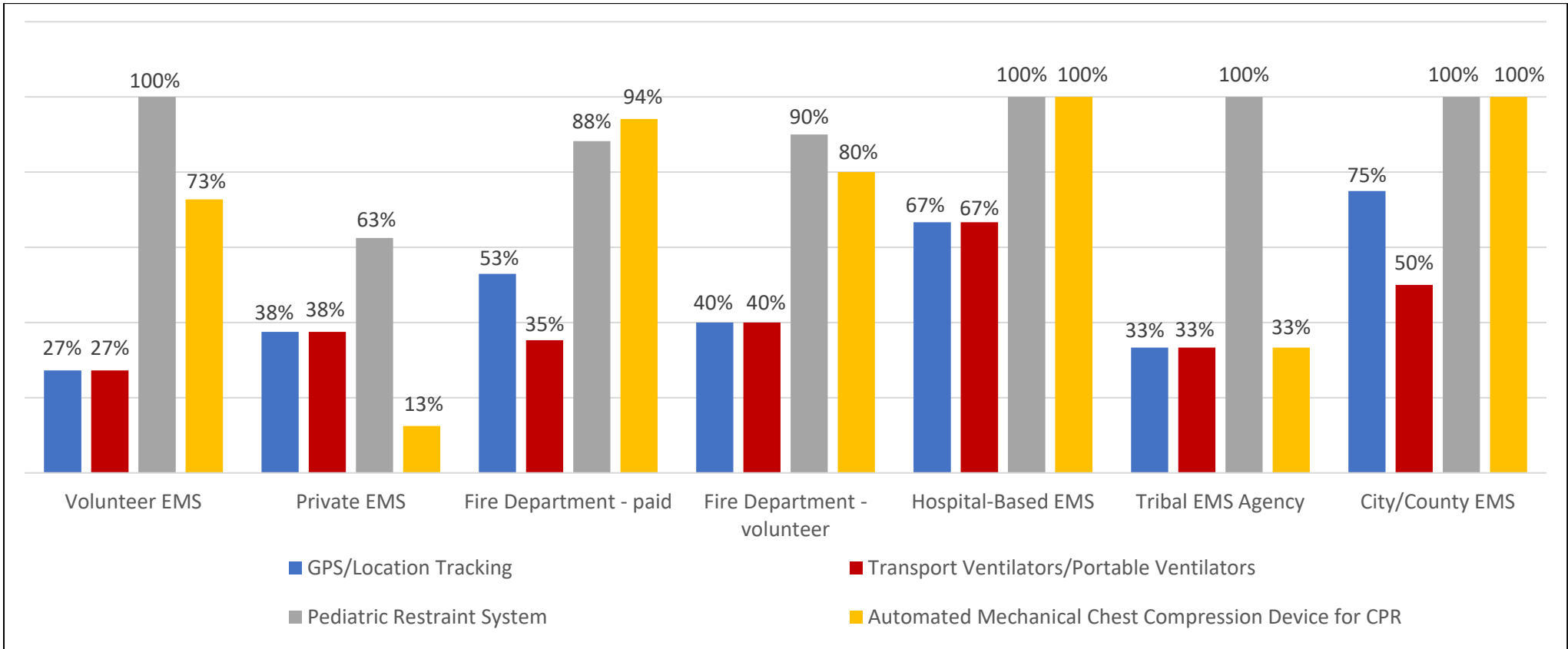


Figure 51: Equipment Installed in Rural Nevada EMS Agency Fleets by Agency Type – 2023

n=38



## Rural Nevada EMS Capacity Assessment

### Section 7: Community Preparedness and EMS Priorities

- Most rural EMS agencies do not have specially trained tactical EMS personnel (55.3%) although all agency types have indicated an interest in employing them besides Private EMS agencies (Figure 52).
- There are active shooter response plans in place in 63.2% of the communities served by rural EMS agencies (Figures 53 and 54).
- Rural EMS agencies ranked recruitment of personnel as their top three priorities. However, personnel recruitment and retention of personnel were both ranked as the third most important priority (Figure 55).
- Rural EMS agencies noted that providing more financial support and better reimbursement would help improve EMS systems in Nevada (33.3%). The same agencies also noted that better recruitment and retention of personnel would serve to help improve their work (22.2%) (Figure 56).

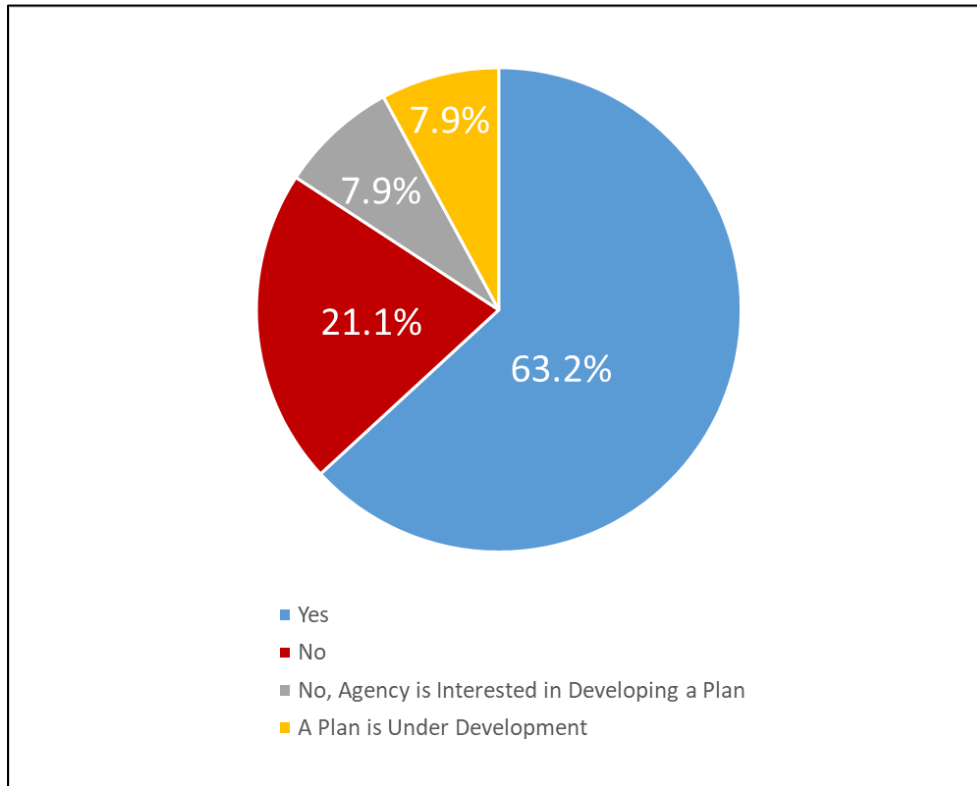
**Figure 52: Rural Nevada EMS Agencies with Specialty Trained Tactical EMS Personnel – 2023  
n=38**

| Type of EMS Agency          | Yes      |             | No        |             | No, Agency is Interested in Employing Tactical EMS Personnel |             |
|-----------------------------|----------|-------------|-----------|-------------|--|-------------|
|                             | Number   | Percent     | Number    | Percent     | Number   | Percent     |
| Volunteer EMS               | 0        | 0.0         | 7         | 63.6        | 4  | 36.4        |
| Private EMS                 | 0        | 0.0         | 8         | 100.0       | 0  | 0.0         |
| Fire Department – Paid      | 5        | 29.4        | 6         | 35.3        | 6  | 35.3        |
| Fire Department – Volunteer | 2        | 20.0        | 4         | 40.0        | 4  | 40.0        |
| Hospital-Based EMS          | 1        | 33.3        | 0         | 0.0         | 2  | 66.7        |
| Tribal EMS Agency           | 0        | 0.0         | 2         | 66.7        | 1  | 33.3        |
| City/County EMS             | 1        | 25.0        | 1         | 25.0        | 2  | 50.0        |
| <b>Total responses</b>      | <b>7</b> | <b>18.4</b> | <b>21</b> | <b>55.3</b> | <b>10</b>  | <b>26.3</b> |

**Figure 53: Active Shooter Response Plans in Rural Nevada Communities – 2023**  
n=38

| Type of EMS Agency          | Yes       |             | No       |             | No, Agency is Interested in Developing a Plan |            | A Plan is Under Development |            |
|-----------------------------|-----------|-------------|----------|-------------|---|------------|-----------------------------|------------|
|                             | Number    | Percent     | Number   | Percent     | Number  | Percent    | Number                      | Percent    |
| Volunteer EMS               | 5         | 45.5        | 4        | 36.4        | 2   | 18.2       | 0                           | 0.0        |
| Private EMS                 | 4         | 50.0        | 3        | 37.5        | 0   | 0.0        | 1                           | 12.5       |
| Fire Department – Paid      | 15        | 88.2        | 1        | 5.9         | 1   | 5.9        | 0                           | 0.0        |
| Fire Department – Volunteer | 7         | 70.0        | 2        | 20.0        | 1   | 10.0       | 0                           | 0.0        |
| Hospital-Based EMS          | 2         | 66.7        | 0        | 0.0         | 1   | 33.3       | 0                           | 0.0        |
| Tribal EMS Agency           | 1         | 33.3        | 1        | 33.3        | 0   | 0.0        | 1                           | 33.3       |
| City/County EMS             | 2         | 50.0        | 0        | 0.0         | 1   | 25.0       | 1                           | 25.0       |
| <b>Total responses</b>      | <b>24</b> | <b>63.2</b> | <b>8</b> | <b>21.1</b> | <b>3</b>                                      | <b>7.9</b> | <b>3</b>                    | <b>7.9</b> |

**Figure 54: Percentage of Active Shooter Response Plans in Rural Nevada Communities– 2023**  
n=38



**Figure 55: Top Three Priorities Ranked by Rural Nevada EMS Agencies - 2023**  
**n=38**

| Priorities  | Ranked #1 | Ranked #2 | Ranked #3 |
|---|-----------|-----------|-----------|
| Clinical Training and upgrading EMS personnel                                     | 1         | 1         | 5         |
| QA/QI Training and upgrading EMS personnel  | 1         | 1         | 2         |
| Equipment—Computers/Software  | 1         | 0         | 1         |
| Equipment—Hazardous materials, bioterrorism, weapons of mass destruction response | 0         | 0         | 2         |
| Equipment—Medical   | 1         | 1         | 5         |
| Equipment—Medical supplies (dressings, medications, etc.)                         | 0         | 1         | 0         |
| Equipment— Radio communications equipment   | 3         | 4         | 4         |
| Equipment—Training (manikins. KEDS, long spine boards, etc.)                      | 1         | 2         | 3         |
| Facilities  | 6         | 1         | 1         |
| Recruitment of EMS personnel  | 19        | 9         | 2         |
| Retention of EMS Personnel  | 0         | 14        | 6         |
| Vehicles  | 5         | 3         | 6         |
| Other   | 1         | 0         | 0         |

**Figure 56: Recommendations Given to Improve the EMS System in Nevada - 2023**  
**n=18**

- More Financial Support and Better Reimbursement for Rural Agencies and State EMS — 33.3%
- Recruitment and Retention of Personnel — 22.2%
- Update the Imagetrend SOAP Program to Improve Access and Efficiency — 16.7%
- More Funding and Support from The State for Training — 11.1%
- Enable EMS Office BDR/More Power to Update NRS — 11.1%
- Positive and Encouraging Comments — 11.1%
- Make Changes to Licensure System and Standards — 11.1%



## Appendix: 2024 Nevada Emergency Medical Services Agency Survey

This survey will take you 8 to 10 minutes to input your gathered data. To answer some questions, you may have to look up or ask for information. If you are not sure about some responses, answer to your best ability.

The information gathered through this survey will help inform and support state-wide efforts to improve EMS in Nevada.

We greatly appreciate your time and effort.

If you have any questions about this EMS agency needs assessment, please contact Amanda Brown, MPH at (775) 784-1170 or [anbrown@med.unr.edu](mailto:anbrown@med.unr.edu).

1. What is the name of your EMS Agency, City, County, and Zip code?

\_\_\_\_\_

2. EMS license level is your Agency? Check all that apply.

- EMS (Volunteer)
- Private EMS (i.e. independent contractor/corporation)
- Fire Department (Paid/Career)
- Fire Department (Volunteer)
- Hospital-Based EMS
- Tribal/EMS Agency
- Third Service EMS (i.e. City/County)
- Other, please specify: \_\_\_\_\_

3. Which levels of service does your EMS agency provide? Check all that apply.

- Basic Life Support (non-transport)
- Basic Life Support Ground Ambulance (transport)
- Intermediate Life Support (non-transport)
- Intermediate Life Support (transport AEMT)
- Advanced Life Support (non-transport)
- Advanced Life Support Ground Ambulance (transport)
- Air Ambulance (transport fixed wing)
- Air Ambulance (transport rotor)
- Other, please specify: \_\_\_\_\_
- 

4. What type(s) of funding does your EMS agency receive? Check all that apply.

- Private for-profit
- Private not-for-profit
- Public/Fundraiser
- Public/Private partnerships
- Government/Grants
- Other, please specify: \_\_\_\_\_

5. In the 2023 calendar year, how many calls did your EMS agency receive?

Number \_\_\_\_\_

Rural Nevada EMS Capacity Assessment – 2024

- 6. In the 2023 calendar year, how many ground ambulance responses resulted in a treatment and no transport?  
**Number** \_\_\_\_\_
- 7. In the 2023 calendar year, how many ground ambulance responses resulted in treatment and transport?  
**Number** \_\_\_\_\_
- 8. In the 2023 calendar year, how many responses resulted in air ambulance utilization (actual transfer of patient to an air ambulance crew for air transport)?  
**Number** \_\_\_\_\_
- 9. In the 2023 calendar year, how many responses were delayed?  
**Number** \_\_\_\_\_
- 10. What was the primary reason for delayed responses in the 2023 calendar year for your agency?  
\_\_\_\_\_
- 11. In a typical month, what is your EMS agency’s average total call time per response?  
**Hours** \_\_\_\_ **Minutes** \_\_\_\_
- 12. What is the size of your EMS agency’s service coverage (square miles)?  
**Number** \_\_\_\_\_
- 13. Please list the zip codes that your agency serves. Please separate zip codes with a comma. -  
\_\_\_\_\_

**Billing**

- 14. How does your EMS agency conduct billing activities? Check all that apply.
  - EMS agency bills direct
  - Billing contracted to an outside entity
  - We don’t bill
  - Other, please specify: \_\_\_\_\_
- 15. To your best ability, provide percentages on types of coverage for billed services by your EMS agency. The total should add to a 100%.

|   |   |
|---|---|
| _____ Medicare patients                     | _____ Uninsured/Self-pay patients             |
| _____ Medicaid patients                     | _____ Military benefits (VA)/Tricare patients |
| _____ Private/Commercial insurance patients | _____ Other, please specify: _____            |
- 16. Does your agency offer a subscription service?
  - Yes
  - No

**Staffing**

17. Using whole numbers, please enter in the number of personnel in your EMS agency as applicable. Add a value for all boxes, including "0" if necessary.

| Personnel Classification by compensation                     | Number of Full-Time Paid | Number of Part-Time Paid | Number of Volunteers | Number needed to be fully staffed |
|--|--------------------------|--------------------------|----------------------|-----------------------------------|
| EMT – without fire/police/public safety role                 |                          |                          |                      |                                   |
| EMT – with fire/police/public safety role                    |                          |                          |                      |                                   |
| AEMT – without fire/police/public safety role                |                          |                          |                      |                                   |
| AEMT –with fire/police/public safety role                    |                          |                          |                      |                                   |
| Paramedic - without fire/police/public safety role           |                          |                          |                      |                                   |
| Paramedic - with fire/police/public safety role              |                          |                          |                      |                                   |
| Medical Staff (nurse, PAs, APRN, physician)                  |                          |                          |                      |                                   |
| Emergency Medical Responder (EMR) without public safety role |                          |                          |                      |                                   |
| Emergency Medical Responder (EMR) with public Safety Role    |                          |                          |                      |                                   |
| Ambulance Driver (non-EMT/EMR) without public safety role    |                          |                          |                      |                                   |
| Ambulance Driver (non-EMT/EMR) with public safety role       |                          |                          |                      |                                   |
| Total:   |                          |                          |                      |                                   |

18. Please rank the **top 3 barriers** for **recruitment** for your agency, with 1 being your greatest need.

- |   |   |
|---|---|
| <input type="checkbox"/> Aging EMS personnel    | <input type="checkbox"/> Stress of EMS work     |
| <input type="checkbox"/> Time burden/Long hours | <input type="checkbox"/> Physical demands       |
| <input type="checkbox"/> Low pay/No pay         | <input type="checkbox"/> Lack of interest       |
| <input type="checkbox"/> Location/Geography     | <input type="checkbox"/> Other, please specify: |
| <input type="checkbox"/> Training requirements  | _____   |

19. Please rank the **top 3 barriers** for **retention** for your agency, with 1 being your greatest need.

- |   |   |
|---|---|
| <input type="checkbox"/> Aging EMS personnel    | <input type="checkbox"/> Stress of EMS work     |
| <input type="checkbox"/> Time burden/Long hours | <input type="checkbox"/> Physical demands       |
| <input type="checkbox"/> Low pay/ No pay        | <input type="checkbox"/> Lack of interest       |
| <input type="checkbox"/> Location/Geography     | <input type="checkbox"/> Other, please specify: |
| <input type="checkbox"/> Training requirements  | _____   |

**Continuing Education/Training**

20. Please select the **top 3 training priorities** for your EMS agency over the next one to two years.

- EMR
- EMT
- AEMT
- Paramedic
- Other, please specify: \_\_\_\_\_

21. What are the sources of funding for your agency’s EMS personnel education/training? Check all that apply.

- None (EMS personnel must pay independently)
- Agency/Internal
- Hospital
- Federal Funding/Tribal
- Grants/Scholarships
- Other, please specify: \_\_\_\_\_

22. What barriers do you have to applying for training grants/funds?

\_\_\_\_\_

23. Please select all trauma triage protocol that your agency utilizes:

- START
- SMART
- Other, please specify: \_\_\_\_\_

**Quality Assurance / Quality Improvement**

24. Is your agency provided with patient follow-up/discharge information from receiving hospitals?

- Yes - all patients
- Yes - Trauma / STEMI / Stroke Patients
- Yes – Only when requested by EMS agency on individual patients
- No – We don’t ask for patient follow-up information

25. Does your agency currently participate in electronic Health Information Exchange (HIE)?

- Yes
- No - Agency is interested
- No - Agency is not-interested

26. Does your agency maintain an active quality monitoring program?

- Yes
- No, (skip to a question 29)

27. Who provides Quality Assurance and Improvement (QA/QI) monitoring and feedback for your agency? Check all that apply.

- Internal (medical director)
- Local/Major Hospital
- University/Community College
- Area Health Education Center
- Private Company
- Other, please specify: \_\_\_\_\_

28. Does your quality program include a chart/case review? Check all that apply.

- All EMS calls are reviewed
- Randomized review of 50% or more of EMS calls
- Randomized review of less than 50% of EMS calls
- Specific EMS calls when issues arise
- Other, please specify: \_\_\_\_\_

29. Does your quality program include metrics other than chart/case review? Check all that apply.

- System performance metrics (i.e. response times)
- Clinical metrics (i.e. patient oxygen application)
- Combination of system performance and clinical metric
- Other, please specify: \_\_\_\_\_

**Dispatch / Communications**

30. Who operates the dispatch center for your EMS agency?

- EMS Agency-Self Dispatch
- Law Enforcement Department (Police, Sheriff)
- 911 Center /Communications Department
- Other, please specify: \_\_\_\_\_

31. What is the **primary** method of dispatch used by your dispatch agency?

- Computer-assisted dispatch (CAD) with GPS location
- Computer-assisted dispatch (CAD) without GPS location
- Combination of pager/telephone/radio but no CAD
- Nevada Shared Radio System
- Pager/Beeper
- Telephone
- Other, please specify: \_\_\_\_\_

32. Which of the following communication devices does your agency have in service? Check all that apply.

- Cellular Telephones
- Computer-based text communications (i.e. instant messaging)
- Pagers/Beepers
- SATCOM (Satellite-based radio communications equipment)
- Self-Contained Deployable Communications System (i.e. stand-alone system for disaster)
- Simple UHF radios or Simple VHF radios
- Trunked Radio system
- Other, please specify: \_\_\_\_\_

33. Do your dispatchers use a priority dispatch system?

- Yes
- No

34. Are your dispatchers Emergency Medical Dispatch certified?

- All
- Some
- None

35. From the list below, check all that apply to your EMS agency:

- Ability to communicate by radio with local hospitals that receive transported patients
- Ability to communicate by radio with non-local hospitals that receive transported patient
- Ability to communicate with neighboring/adjoining EMS agencies that also respond to incident scenes
- Bilingual dispatchers
- Have language line for translation services
- Have tele-printers or telecommunications device for the deaf
- Other, please specify: \_\_\_\_\_

**EMS Vehicles and Equipment**

36. Please complete the table with the number of EMS vehicles that are response ready staffed by BLS or ALS personnel. Add a value for all boxes, including "0" if necessary.

| EMS vehicles   | Number of vehicles agency has | Number of additional vehicles agency needs | Number of vehicles agency should replace |
|--|-------------------------------|--|--|
| Utility Vehicle- Non-Ambulance (i.e. Chief/Supervisor)             |                               |  |  |
| Fire Apparatus - Non-ambulance (i.e. engine, ladder truck, HAZMAT) |                               |  |  |
| Licensed Ground Ambulance  |                               |  |  |
| Licensed Air Ambulance   |                               |  |  |
| Other, please specify: _____                                       |                               |  |  |
| Total:   |                               |  |  |

37. Please complete the table indicating which equipment your EMS vehicles may have.

| Equipment  | All EMS vehicle(s) have | Some EMS vehicle(s) have | None |
|--|-------------------------|--------------------------|------|
| GPS/Location tracking  |                         |                          |      |
| Pediatric Restraint System   |                         |                          |      |
| Automated mechanical chest compression device for CPR<br>Please specify: _____ |                         |                          |      |
| Transport ventilators / Portable ventilators                                   |                         |                          |      |
| Other, please specify: _____   |                         |                          |      |

**Preparedness**

38. Does your Agency employ specially trained Tactical EMS personnel?

- Yes  No
- No - agency is interested in employing specially trained Tactical EMS personnel

39. Does your community have an active shooter response plan?

- Yes
- No
- No- agency is interested in developing a plan
- No- a plan is under development

**Community Outreach / Community Paramedicine**

40. From list below, rank your EMS agency’s EMS needs, with 1 being your greatest need

- \_\_\_\_\_ Clinical Training and upgrading EMS personnel
- \_\_\_\_\_ QA/QI Training and upgrading EMS personnel
- \_\_\_\_\_ Equipment — Computers/Software
- \_\_\_\_\_ Equipment — Hazardous materials, bio-terrorism, weapons of mass destruction response
- \_\_\_\_\_ Equipment — Medical: please specify, \_\_\_\_\_
- \_\_\_\_\_ Equipment — Medical supplies (dressings, medications, etc.)
- \_\_\_\_\_ Equipment — Radio communications equipment
- \_\_\_\_\_ Equipment — Training (manikins, KEDS, Long spine boards, etc.)
- \_\_\_\_\_ Facilities
- \_\_\_\_\_ Recruitment of EMS personnel
- \_\_\_\_\_ Retention of EMS personnel
- \_\_\_\_\_ Vehicles
- \_\_\_\_\_ Other, please specify: \_\_\_\_\_

41. Thank you for your time. Reflecting on the completed survey, do you have any recommendations for improving the EMS system in Nevada?

Thank you for your effort and contribution!  
A report of this survey will be available later this year.

If you have any questions about this EMS agency needs assessment, please contact  
Amanda Brown, MPH at (775) 784-1170 or [anbrown@med.unr.edu](mailto:anbrown@med.unr.edu).







University of Nevada, Reno

# **School of Medicine**

Office of Statewide Initiatives