
OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015



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FEBRUARY 26, 2018

OKLAHOMA STATE DEPARTMENT OF HEALTH
Protective Health Services, Emergency Systems Division



Foreword

This document is the result of hard work on the part of many persons involved in pre-hospital care in Oklahoma. It is a compilation of quality data reporting along with collection and analysis which provides us with valuable information about Oklahoma's system of pre-hospital care. Ambulance data was reported by EMS service providers to the Oklahoma EMS Information System (OKEMSIS) and an analysis was performed by EMS/Trauma Epidemiologists of the Oklahoma State Department of Health (OSDH).

The purpose of collecting ambulance data is to gain a more complete picture of pre-hospital patient care in Oklahoma in order to improve the EMS system as a whole. By analyzing this data, we can allocate resources more effectively and develop targeted strategies to improve pre-hospital care in Oklahoma. We can also identify further areas of research to help improve overall patient outcomes.

Quality data collection is the key to pre-hospital system development in Oklahoma as it enables us to continually improve our EMS system and helps us to measure improvements in pre-hospital care. Through the continued leadership of the OSDH and the work of EMS providers, emergency medical technicians (EMT's), and the OSDH Emergency Systems staff, we can ensure that the citizens of Oklahoma continue to receive the proper level of care throughout the continuum of patient care in Oklahoma.

Dale Adkerson

A handwritten signature in black ink, reading "Dale Adkerson". The signature is fluid and cursive, with the first name "Dale" being more prominent and the last name "Adkerson" following in a similar style.

Administrative Program Manager, EMS Division
Oklahoma State Department of Health

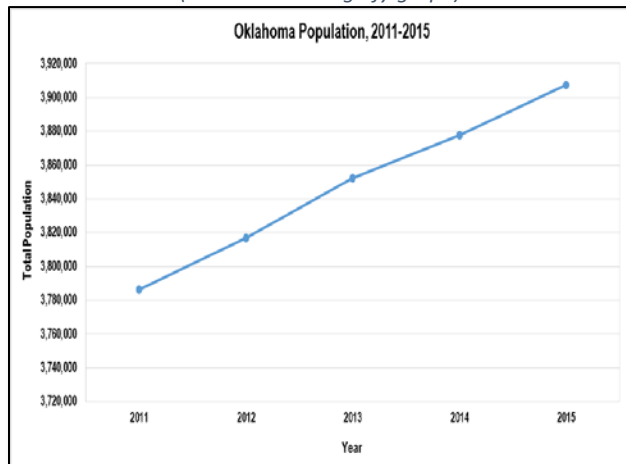
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Oklahoma Population, 2011- 2015

Between 2011 and 2015, the Oklahoma population increased 3.2% with just over half being female ([Figure 1](#)). The median age for Oklahoma was 36 years with females being slightly older than males at 37 and 35 years, respectively. The 20 to 24 age group comprised the largest percentage of the population with the 65 to 69 (17%) and 70 to 74 (13.9%) age groups having the largest population increase ([Figure 2](#)). Those aged 45 to 49 years had the biggest decrease in population at 9% followed by the 50 to 54 age group (-3.9%). There were slightly more males than females in age groups less than 45 years old with the 45+ age groups having more females than males ([Figure 3](#)). Approximately 75% of Oklahomans identified themselves as White followed by American Indian/Alaska Natives at 9.0% and Black/African Americans at 7.7%. Hispanic/Latino's made up 9% of the population between 2011 and 2015, making up 10% of the population

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in 2015 ([Figure 4](#)). All racial groups showed a population increase during this period with the two smallest groups having the largest increase, Native Hawaiian/Pacific Islanders (24%) followed by the Asian group at 21%. The largest racial group (White) showed the smallest increase at 2% with the Hispanic/Latino group increasing by 14%.

Geographically, almost half of the Oklahoma population lived in 5 counties between 2011 and 2015 with Oklahoma County (19.8%) having the highest percentage in 2015 followed by Tulsa (16.3%), Cleveland (7.0%), Canadian

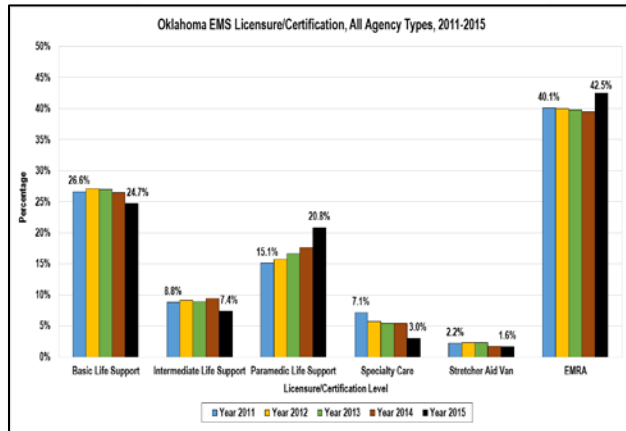
(3.4%), and Comanche (3.2%) Counties. Canadian County had the largest population increase at 11.6% followed by McClain (8.1%) and Woodward (7.0%) Counties. Cimarron County (-11.4%) had the largest population decrease followed by Tillman (-5.9%) and Harmon (-5.6%) Counties ([Map 1](#)). The majority of the Oklahomans lived in 4 of the 8 defined regions in Oklahoma during the 5 year period, regions 2, 6, 7, and 8. In 2015 Region 8 (19.9%) had the highest population percentage followed by Region 7 (16.3%), Region 6 (15.3%), and Region 2 (12.4%). Between 2011 and 2015, Region 8 had the highest population increase (6.3%) followed by Region 6 (5.9%) with Region 5 having the largest population decrease (-1.25%) ([Table 1](#)). According to the Center for Medicare and Medicaid Services, 32.9% of the 791 zip codes in Oklahoma were urban, 35.2% rural, and 31.9% were super rural in 2015. Between 2011 and 2015, 13 zip codes changed urban/rural designations (1.6% of zip codes). Seven (7) zip codes changed from urban to rural, 5 changed from rural to urban, and 1 changed from rural to super rural. ([Map 1](#)).

Oklahoma population statistics and EMS service call rates were calculated using US census 2011-2015 population estimates for Oklahoma (www.census.gov). Urban/Rural analyses were calculated using zip codes for 2011-2015 with the urban/rural/super rural designation defined by the Centers for Medicare and Medicaid Services (CMS, www.cms.gov). Oklahoma Regions were defined using Homeland Security Regions. Unless stated otherwise, all data reported in this document is from the 2011-2015 time period.

Oklahoma EMS Agency Demographics

The State of Oklahoma has 5 types of licensure: Basic Life Support (BLS), Intermediate Life Support (ILS), Paramedic Life Support (PLS), Specialty Care, and stretcher aid vans. Transporting ground and air ambulance agencies can have more than one license type (for example: PLS and Specialty Care) but all air services must have at least a PLS license

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separate from a Specialty Care license). Oklahoma also has Emergency Medical Response Agencies (EMRA's), previously known as first responders, which are non-transporting agencies. The total number of licensed EMS agencies and certified EMRA's remained stable between 2011 (364) and 2015 (365) with PLS licensure showing the biggest increase (38.2%) followed by EMRA certification (6.2%, [Figure 5](#)). Specialty Care licensure had the biggest decrease (-57.7%) during the specified time period. Between 2011 and 2015 the number of transporting EMS ambulance agencies was

relatively stable, fluctuating between 164 and 169 agencies. However the actual number of ambulance licenses decreased from 210 in 2011 to 204 in 2015 ([Figure 6](#)). The number of EMS ambulance agencies with multiple licenses in Oklahoma varied, with a single agency holding 21 active licenses in 2015 ([Figure 6](#)). The majority of the licensed transporting agencies in Oklahoma were BLS followed by PLS, ILS, Specialty Care, and stretcher aid van agencies ([Figure 7](#)). BLS agencies saw a modest decrease (-7.2%) but still remained the majority of transporting agencies in 2015 (42.9%) followed by PLS Agencies at 36.2%. The percentage of ILS and stretcher aid van services showed a modest decrease, making up 12.9% and 2.9% of the transporting agencies, respectively, in 2015. The majority of licensed transporting ambulance services were ground agencies with the percentage of air services increasing, representing 10.5% of all transporting ambulance agencies in 2015 ([Table 2](#)).

NOTE: licensed services do not equal actual number of agencies as an ambulance service can have more than one license. Analysis was performed using data extracted from the [2011-2015 Oklahoma Ambulance Registries](#).

Oklahoma Ambulance Agency Licensure, 2011-2015					
Agency Licensure ^{1,2}	2011	2012	2013	2014	2015
# of Agencies, Multiple Licenses	14	15	14	17	15
% of Active Licenses, Air	14.3%	13.8%	15.9%	17.4%	23.0%
% of Active Licenses, Ground	85.7%	86.2%	84.1%	82.6%	77.0%
Agencies (De-Duplicated) ³					
% of Actual Agencies, Air	5.8%	6.6%	6.7%	6.8%	10.5%
% of Actual Agencies, Ground	94.2%	93.4%	93.3%	93.2%	89.5%

1. Includes transporting ambulance agencies only.

2. Single agencies can hold multiple licenses in Oklahoma.

3. Agencies holding multiple licenses were condensed to represent 1 agency.

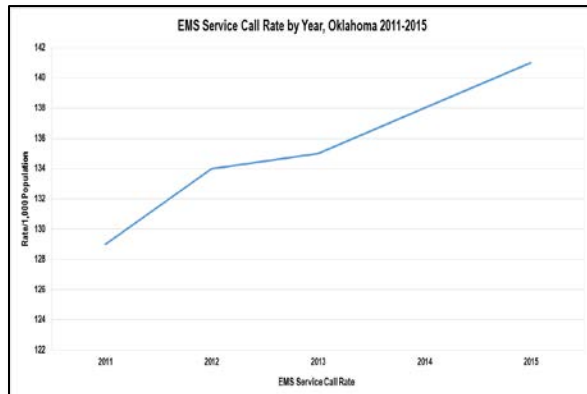
[OKEMSIS Data Submission](#)

According to Oklahoma EMS regulations, all licensed and transporting EMS ambulance services are required to submit patient run data into the OKEMSIS (Oklahoma Emergency Medical Services Information System) database. OKEMSIS is a web-based system and agencies can submit their data for free using the various run forms on the site, by third-party vendor through the data exchange (XML submission), or post their run data through a field bridge. Web services are also available (must be approved by OSDH staff) for XML submission. Data is due on a monthly basis and EMS agencies have until the last business day of the following month to submit to the database. For example, January data is due on the last business day of February. EMRAs and stretcher aid vans were not required to report data between 2011 and 2015.

[EMS Service Call Executive Summary](#)

Oklahoma had a 9% increase in the rate of EMS service calls between 2011 and 2015, increasing from 489,928 service calls in 2011 to 550,784 service calls in 2015 ([Figure 8](#)). There are several possible reasons for this increase: better reporting by the service providers to the OKEMSIS database, a true increase in the number of runs, and an overall population increase in Oklahoma. Ground ambulance services

[\(Click here to Magnify Graph\)](#)



responded to the majority of EMS service calls during this time period, performing 98.7% of all service calls in 2015 ([Figure 9](#)). Air services saw a 30.6% decrease in call volume during the same period making up only 1.3% of the total call volume in 2015 ([Figure 15, 16](#)). Approximately 80% of the total call volume was 911 responses followed by inter-facility transfers (12.7%) and medical transports (3.8%). Mutual aid calls (64.9%) and inter-facility transfers (59.2%) showed the biggest call volume increase between 2011 and 2015 ([Figure 10](#)). For 911 calls, ambulance services responded with lights and sirens

77.9% of the time ([Table 2](#)). Just over 75% of the EMS service calls were treated and transported by EMS with patient refusals (10.2%) and no patient found (4.7%) coming in a distant second and third, respectively. Service calls with no treatment required (89.5%) had the largest increase during this time period followed by cancelled calls (42.9%). The majority of treated and transported/transferred care service calls were transported from the scene with no lights or sirens between 2011 and 2015 ([Figure 11](#)). Fifty-six percent of all the EMS service calls occurred in urban areas with 42.9% of the remaining service calls coming from rural/super rural areas. The percentage of service calls originating in urban areas increased by 5.5% between 2011 and 2015 while calls from rural/super rural areas decreased by 3.0% ([Figure 12](#)). Overall ground service response time for treated and transported/transferred care calls increased 19.2% from 7.8 minutes in 2011 to 9.3 minutes in 2015 ([Table 3](#)). Response time for air services (fixed wing services excluded) remained stable between 2011 and 2015 at 34.1 minutes to 34.5 minutes, respectively. Ground service scene time for treated and transported patients remained stable, increasing slightly from 19.3 minutes to 20.4 minutes. Air services had a slight increase in scene time, increasing from 32.0 minutes in 2011 to 34.5 minutes in 2015. Total time (time of destination arrival - time unit dispatched) for ground services showed an

8.6% increase, from 44.9 minutes in 2011 to 48.8 minutes in 2015. Total times for air services remained stable during the same time period, only slightly increasing from 96.0 minutes to 97.8 minutes.

Seven agencies reported ≈54% of all the service calls between 2011 and 2015 with one agency reporting 37.8% of all statewide EMS calls ([Table 8](#)). Tulsa (Region 7) and Oklahoma (Region 8) Counties reported the most EMS runs followed by Cleveland, Muskogee, Comanche, Rogers and Pottawatomie Counties ([Table 5](#)). At the city level, over a third of the total EMS service calls occurred in Oklahoma City and Tulsa (36.8%) followed by Muskogee, Norman, and Lawton ([Table 6](#)). About half of the service calls in Oklahoma were female patients (50.3%) with the 50+ age groups making up 61.9% of the total call volume ([Figure 18](#)). The 85+ age group had the highest service call rate at 800.7 calls/1,000 population followed by the 80 to 84 age group (500.5/1,000 population). Children from the 5 to 9 age group had the lowest call rate at 19.3 calls/1,000 population ([Figure 19](#)). Most of the Oklahoma EMS service call patients reported White (74.5%) as their racial category followed by Black/African Americans (10.5%) and American Indian/Alaska Natives (5.4%). Hispanics made up 3.2% of all the EMS service calls in Oklahoma between 2011 and 2015. Black/African Americans had the highest five (5) year average rate of EMS service calls at 170.4/1,000 population followed by the Native Hawaiian/Pacific Islanders (NH/PI) at 124.7/1,000 population ([Figure 20](#)). Although NH/PI made up less than 0.5% of the Oklahoma population they had the second highest call rate ([Figure 4](#)). All racial groups saw at least a small increase in the call rate over the 5 year period with the only rate decrease belonging to the “Other race” category (-33.1%). The Hispanic/Latino population (five year average rate: 41.2/1,000 population) had a 30.4% rate increase between 2011 and 2015, the highest increase among all racial groups ([Figure 21](#)).

EMS agencies reported “Other” as the Provider First Impression 27.0% of the time between 2011 and 2015 followed by “Traumatic Injury” (14.5%) and “Respiratory Distress” (8.6%, [Figure 22](#)). “Oxygen” (17.9%) was the most common medication given followed by “Normal Saline” (3.4%) and “Nitroglycerin” (3.0%, [Figure 23](#)). The most common procedures performed were “Cardiac Monitoring” (19.9%) followed by “Venous Access” (extremity, 18.8%) and “Adult Assessment” (9.7%, [Figure 24](#)). “Pain” (29.0%) was the most commonly reported Primary Symptom followed by “Change in Responsiveness” (13.4%) and “Breathing Problem” (10.5%, [Figure 25](#)). The highest percentage of calls occurred on Friday (15.4%) with the majority of the calls occurring between Monday and Friday (73.5%). Sunday (12.7%) had the lowest percentage of service calls followed by Saturday (13.8%, [Figure 26](#)). The majority of calls were performed between the times of 9am and 9pm with the highest percentage occurring between 3pm and 6pm (18.0%) followed by calls occurring between 12:00pm and 3pm (17.6%, [Figure 26](#)).

*NOTE: The EMS data represented in this document was extracted from the OKEMSIS database, which is in a constant state of maintenance therefore all information in this document is subject to change. The data represents the best information extracted at the time of this report. All rates in this document for 2011-2015 were calculated using population estimates from the US census at www.census.gov. Any cell in a table represented by an asterisk (**) is not reported due to privacy concerns. Urban/Rural analysis was calculated using zip codes for 2011-2015 with the urban/rural/super rural designation defined by the Centers for Medicare and Medicaid Services (CMS, www.cms.gov).*

EMS Service Call Run Times- Definitions

Run times are effected by several factors including geography, level of service, urban areas versus rural areas, and the type of EMS agency (air vs. ground) requested ([Figure 13](#)). All the above factors have an impact in Oklahoma and the following statistics should be interpreted with these factors in mind. Because of the differing nature of air and ground services, run times will be shown separately for each type of EMS agency.

- *Enroute Time* is defined as the time interval between the time the ambulance was dispatched and the time the ambulance was in route to the scene.
- *Response Time* is defined as the time interval between the time the ambulance was dispatched and the time the ambulance arrived on scene.
- *Scene Time* is defined as the time interval between the time the ambulance arrived on scene and the time the ambulance left the scene.
- *Transport Time* is defined as the time interval between the ambulance leaving the scene and the time it reached its destination.
- *Total Time* is defined as the time interval between the time the ambulance was dispatched and the time it reached its destination (ex. hospital, nursing home).

EMS Service Call Run Times- Ground Services

The overall state *Enroute Time* for ground services decreased slightly from 1.4 minutes in 2011 to 1.1 minutes in 2015 ([Figure 14](#), [Table 3](#)).

- 911 calls had the shortest average enroute time at 1.1 minutes with inter-facility transfers (1.9 minutes) having the longest time.
- Specialty Care agencies (1.9 minutes) and Basic Life Support agencies (1.9 minutes) had the longest average enroute time with Paramedic Life Support agencies having the shortest (0.8 minutes).
- Region 1 had the longest average enroute time at 2.0 minutes with Region 8 having the shortest (0.5 minutes).
- Greer County (5.6 minutes) had the longest enroute time in 2015 followed by Cimarron County (5.2 minutes) with Pottawatomie County having the shortest time (0.48 minutes, [Table 4](#)).

The overall state *Response Time* for all ground calls increased 18.6% from 7.8 minutes in 2011 to 9.3 minutes in 2015 ([Figure 14](#), [Table 3](#)).

- 911 calls had the shortest average response time at 8.0 minutes with mutual aid calls (12.8 minutes) having the longest.
- Treated/transferred care patients (11.5 minutes) had the longest response time followed by treated/transported patients (8.7 minutes).
- Specialty Care agencies (17.4 minutes) and Basic Life Support agencies (9.3 minutes) had the longest average response time with Paramedic Life Support agencies having the shortest (8.2 minutes).

- Region 5 had the longest average response time at 9.5 minutes with Regions 1 and 8 having the shortest (7.9 minutes).
- Roger Mills County (15.4 minutes) had the longest response time in 2015 followed by Sequoyah County (13.3 minutes) with Kay County (5.9 minutes, [Table 4](#), [Map 4](#)) having the shortest time.

The overall state *Scene Time* for all ground calls increased slightly from 19.3 minutes in 2011 to 20.4 minutes in 2015 ([Figure 14](#), [Table 3](#)).

- Intercepts had the shortest average scene time at 18.1 minutes with 911 calls (19.7 minutes) having the longest.
- Treated/transferred care patients (22.9 minutes) had the longest scene time followed by “Dead at Scene” calls (22.8 minutes) with “No Treatment Required” calls having the shortest (18.1 minutes).
- Specialty Care agencies (24.0 minutes) and Paramedic Life Support agencies (20.7 minutes) had the longest average scene time with Intermediate Life Support agencies having the shortest (18.3 minutes).
- Region 7 had the longest average scene time at 23.7 minutes with Region 3 having the shortest (16.4 minutes).
- Tulsa County (23.9 minutes) had the longest scene time in 2015 followed by Oklahoma County (22.9 minutes) with Tillman County (14.2 minutes, [Table 4](#)) having the shortest time.

The overall state *Transport Time* for all ground calls increased slightly from 19.8 minutes in 2011 to 21.1 minutes in 2015 ([Figure 14](#), [Table 3](#)).

- 911 calls had the shortest average transport time at 17.0 minutes with inter-facility transfers (34.5 minutes) having the longest.
- Treated/transferred care patients (25.3 minutes) had the longest transport time followed by treated and transported patients (20.4 minutes).
- Specialty Care agencies (29.6 minutes) followed by Basic Life Support agencies (25.8 minutes) had the longest average transport time with Paramedic Life Support agencies having the shortest (17.9 minutes).
- Region 4 had the longest average transport time at 25.3 minutes with Region 8 having the shortest (16.6 minutes).
- Alfalfa County (46.4 minutes) had the longest transport time in 2015 followed by Haskell County (42.7 minutes) with Woodward County (12.4 minutes, [Table 4](#), [Map 6](#)) having the shortest time.

The overall state *Total Time* for all ground calls increased 8.8% from 44.9 minutes in 2011 to 48.8 minutes in 2015 ([Figure 14](#), [Table 3](#)).

- 911 calls had the shortest average total time at 43.8 minutes with inter-facility transfers (62.6 minutes) having the longest.
- Treated/transferred care patients (54.4 minutes) had the longest total time followed by treated and transported patients (47.1 minutes).

- Specialty Care agencies (69.4 minutes) followed by Basic Life Support agencies (49.6 minutes) had the longest average total time with Paramedic Life Support agencies having the shortest (45.8 minutes).
- Region 4 had the longest average total time at 51.3 minutes with Region 3 having the shortest (41.7 minutes).
- Alfalfa County (71.2 minutes) had the longest total time in 2015 followed by Cotton County (67.7 minutes) with Beckham County (31.0 minutes, [Table 4](#), [Map 8](#)) having the shortest time.

EMS Service Call Run Times- Air Services

The overall state *Enroute Time* for air services increased slightly from 11.9 minutes in 2011 to 12.7 minutes in 2015 ([Figure 14](#), [Table 3](#)).

- Intercepts had the shortest average enroute time at 7.5 minutes with inter-facility transfers (13.5 minutes) having the longest.
- Specialty Care agencies (19.9 minutes) had the highest average enroute time followed by Paramedic Life Support (11.4 minutes) agencies.
- Region 8 had the longest average enroute time at 15.6 minutes with Region 4 having the shortest (10.3 minutes).
- Beaver County (27.0 minutes) had the longest enroute time in 2015 followed by Cimarron County (24.9 minutes) with Grant County having the shortest time (7.3 minutes, [Table 4](#)).

The overall state *Response Time* for all air calls increased 7.9% from 34.1 minutes in 2011 to 34.5 minutes in 2015 ([Figure 14](#), [Table 3](#)).

- Intercepts had the shortest average response time at 28.4 minutes with inter-facility transfers (37.5 minutes) having the longest.
- Cancelled calls (35.6 minutes) had the longest response time with treated/transferred care calls (31.5 minutes) having the shortest time.
- Specialty Care agencies (60.2 minutes) had the longest response time followed by Paramedic Life Support agencies (31.8 minutes).
- Region 7 had the longest average response time at 43.6 minutes with Region 4 having the shortest (28.2 minutes).
- Cimarron County (57.4 minutes) had the longest response time in 2015 followed by Beaver County (52.8 minutes) with Wagoner County (21.2 minutes, [Table 4](#), [Map 3](#)) having the shortest time.

The overall state *Scene Time* for all air calls increased 7.9% from 32.0 minutes in 2011 to 34.5 minutes in 2015 ([Figure 14](#), [Table 3](#)).

- Mutual aid calls had the shortest average scene time at 18.4 minutes with inter-facility transfers (37.5 minutes) having the longest.

- Patients that were dead at scene (48.8 minutes) had the longest average scene time followed by treated/transferred care (34.8 minutes) and treated/transported by EMS (32.6 minutes) calls.
- Specialty Care agencies (59.9 minutes) had the longest average scene time followed by Paramedic Life Support agencies (29.8).
- Region 8 had the longest average scene time at 50.0 minutes with Region 4 having the shortest (25.9 minutes).
- Texas County (56.9 minutes) had the longest scene time in 2015 followed by Beaver County (54.7 minutes) with Grant County (17.0 minutes, [Table 4](#)) having the shortest time.

The overall state *Transport Time* for all air calls increased slightly from 35.4 minutes in 2011 to 35.9 minutes in 2015 ([Figure 14](#), [Table 3](#)).

- Intercepts had the shortest average transport time at 26.5 minutes with mutual aid calls (39.8 minutes) having the longest time.
- Treated/transported by ems patients (35.9 minutes) had the longest transport time followed by treated/transferred patients (33.8 minutes).
- Specialty Care agencies (39.2 minutes) had the longest average transport time followed by Paramedic Life Support agencies (35.5 minutes).
- Region 1 had the longest average transport time at 46.0 minutes with Region 6 having the shortest (20.4 minutes).
- Ellis County (68.5 minutes) had the longest transport time in 2015 followed by Woodward County (58.2 minutes) with Logan County (16.4 minutes, [Table 4](#), [Map 5](#)) having the shortest time.

The overall state *Total Time* for all air calls increased slightly from 96.0 minutes in 2011 to 97.8 minutes in 2015 ([Figure 14](#), [Table 3](#)).

- 911 calls had the shortest average total time at 76.0 minutes with inter-facility transfers (107.1 minutes) having the longest.
- Treated and transported patients (97.0 minutes) had the longest total time followed by treated/transferred care patients (91.1 minutes).
- Specialty Care agencies (137.3 minutes) had the longest average total time followed by Paramedic Life Support agencies (94.3 minutes).
- Region 1 had the longest average total time at 117.2 minutes with Region 6 having the shortest (77.5 minutes).
- Cimarron County (142.3 minutes) had the longest total time in 2015 followed by Beaver County (140.2 minutes) with Wagoner County (63.3 minutes, [Table 4](#), [Map 7](#)) having the shortest.

EMS Service Calls: Geography

Between 2011 and 2015 most of the EMS service calls in Oklahoma occurred in areas containing larger population centers ([Map 2](#)). Consequently, Oklahoma and Tulsa Counties accounted for 42.7% of the total call volume during that period. The same pattern emerged by zip code with the majority of the EMS service calls (>98%) occurring in zip codes with a population greater than 1,000 people ([Map 9](#) and [Map 10](#)). The following section describes the geographic distribution of EMS service calls in Oklahoma. All Regions are based off Homeland Security Regions for Oklahoma ([Map 1](#), Figure 125). Incident Region is defined as the location of the EMS service call based on county.

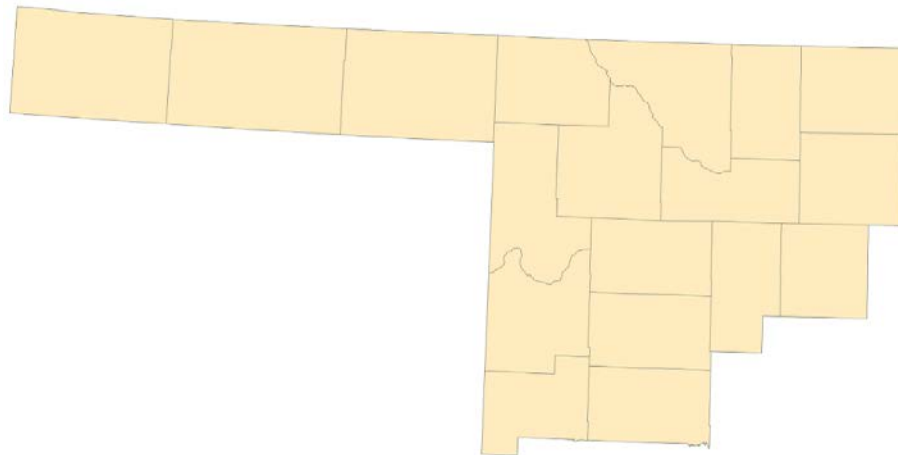
- Tulsa (Region 7) and Oklahoma Counties (Region 8) reported the most EMS runs followed by Cleveland, Muskogee, Comanche, Rogers and Pottawatomie Counties ([Table 5](#)).
- Oklahoma City had the most service calls followed by Tulsa, Muskogee, Norman, and Lawton ([Table 6](#)).
- EMS service calls occurred in urban areas 57.3% of the time with the remaining service calls occurring in rural/super rural (40.7%) areas.
- Air service responses occurred in rural/super rural areas 84.6% of the time followed by urban (9.9%) areas (Figure 117).
- Ground service responses occurred mostly in urban areas (57.3%) followed by rural/super rural (41.4%) areas (Figure 13).
- EMSA (37.8%) had the highest call volume in Oklahoma by a large margin, followed by Muskogee County EMS (3.9%), EMSSTAT-Norman Regional Hospital EMS (3.2%), Pafford EMS (2.7%), and Midwest Regional Hospital EMS (2.4%).
- Overall, EMS service providers were called to a home or residence 41.3% of the time followed by a healthcare facility (27.2%) and street or highway (11.5%).
- Air service providers were called to a health care facility 67.8% of the time followed by a street or highway (4.6%) and private residence (2.0%, [Figure 17](#)). Almost 24% of the service calls from Air providers had a missing incident location type.
- Ground service providers were called to a home or residence 43.5% of the time followed by a healthcare facility (28%) and street or highway (10.8%, [Figure 17](#)).
- St. Francis Hospital (Tulsa) received the highest volume of EMS service calls between 2011 and 2015 followed by St. John Medical Center (Tulsa) and OU Medical Center (Oklahoma City, [Table 7](#)).
- Out of the top twelve destinations (> 2% total EMS service call volume), St. Anthony Hospital- Main Campus (Oklahoma City) had the biggest service call volume increase (54.0%) followed by OSU Medical Center (Tulsa, 40.2%) and Comanche County Memorial Hospital (Lawton, 34.1%, [Table 7](#)).
- 94.9% of the treated and transported patients were taken to an Oklahoma destination between 2011 and 2015 followed Arkansas (1.6%) and Texas (0.7%, [Figure 54](#)).

EMS Service Calls by Region

Region 1

- *Region 1 covers 18 counties but has the smallest percentage of EMS service calls compared to other Oklahoma regions ([Table 9](#)).*
- Region 1 saw a 9.5% increase in the number of EMS calls between 2011 and 2015, the second smallest increase among all of the Oklahoma regions ([Table 9](#)).
- Garfield County (26.4%) had the highest percentage of service calls in Region 1 with Cimarron County having the smallest percentage (<1%, [Figure 27](#)).
- Alfalfa County (27.3%) had the biggest call volume increase while the biggest decrease was in Ellis County (-22.7%, [Table 5](#)).

[Region 1 \(Click here to magnify map\)](#)



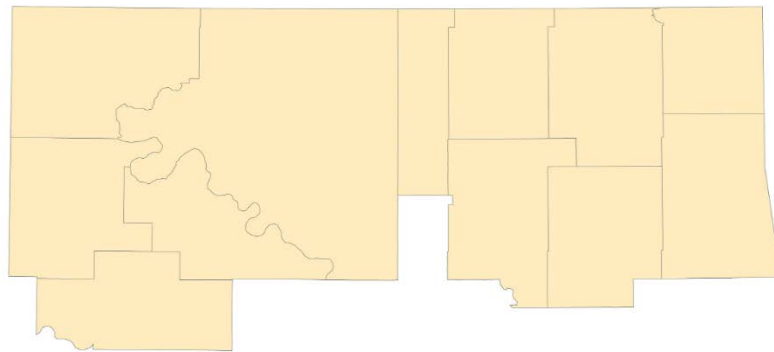
- 73.5% of all the service calls in Region 1 occurred in super rural areas with another 26.3% occurring in rural areas ([Figure 28](#)). *Region 1 had the highest percentage of calls occurring in rural/super rural areas among all Oklahoma regions.*
- Although the majority of the EMS service calls were performed by ground services in Region 1 (95.2%), *4.8% were performed by air services, the highest percentage among all other Oklahoma regions ([Figure 29](#)).*
- Almost 67% of the EMS service calls were 911 calls for Region 1 followed by inter-facility transfers (17.4%) and medical transports (8.3%, [Figure 30](#)).
- 75.3% of the service calls were treated and transported followed by patient refusals (7.1%) and no treatment required (6.1%, [Figure 31](#)).
- 80.1% of the patients were reported as White followed by Hispanic/Latino (5.6%) and American Indian/Alaska Native (3.2%, [Figure 32](#)).
- 60.4% of all the service calls were in the 50+ age groups with the 85+ age group having the highest individual age group percentage (13.4%, [Figure 33](#)).
- 36.6% of the EMS service calls had an incident location type of "Home/Residence" followed by "Healthcare Facility" ([Figure 34](#)).

- Almost 85% of all Region 1 service calls (treated and transported patients) had a destination type of “Hospital” followed by “Nursing Home” ([Figure 35](#)).
- *1.4% of the service calls in Region 1 were transferred to other EMS responders (air/ground), the highest percentage among all Oklahoma regions.*
- “Patient choice” (32.2%) and “Closest facility” (30.2%) were the most common reasons for choosing a destination (treated/transported patients, [Figure 36](#)).
- 63.2% of the inter-facility transfers in Region 1 were transferred out to a Region 8 destination ([Map 11](#)) while 23.3% were transferred to a destination within Region 1.
- *Traumatic injuries made up 17.6% of the total call volume in Region 1, the highest percentage among all Oklahoma regions* ([Figure 37](#)).
- EMS agencies licensed as Basic Level Services responded to 42% of the EMS service calls followed by Paramedic Life Support agencies at 30.1% ([Figure 38](#)).
- Life EMS (24.6%) responded to the highest percentage of service calls followed by Sinor EMS (all licenses) at 16.8% ([Table 10](#)).
- Among EMS services that made up > 2% of the total service call volume, Okeene EMS had the biggest call volume increase at 133.1% with Sinor EMS (all licenses) having the only decrease (-9.5%, [Table 10](#)).
- 24.7% of the EMS service calls occurred in the City of Enid followed by Clinton (8.7%) and Woodward (8.1%, [Figure 39](#)).
- St. Mary’s Regional Medical Center (14.8%) received the highest percentage of treated/transported calls followed by Integris Bass Baptist Health Center (12.8%) and Great Plains Regional Medical Center (6.9%, [Table 11](#)).
- Mercy Hospital-Oklahoma City saw the biggest increase (65.9%) in service call volume from Region 1 while Alliance Health-Clinton had the largest decrease (-16.5%, [Table 11](#)).
- 94.1% of the treated and transported patients in Region 1 were taken to an Oklahoma destination followed by Texas (1.4%) and Kansas (0.9%, [Figure 55](#)).
- The number of patients going to a Kansas destination increased by 12.2% while patients going to a Texas destination decreased (-16.7%) between 2011 and 2015.

Region 2

- Region 2 covers 12 counties but has the third highest percentage of EMS service calls compared to other Oklahoma regions ([Table 9](#)).
- Region 2 saw a 13.2% increase in the number of EMS calls between 2011 and 2015 ([Table 9](#)).
- Rogers County (25.1%) had the highest percentage of service calls in Region 2 with Nowata County having the smallest percentage (1.5%, [Figure 40](#)).
- Osage County (42.3%) had the biggest call volume increase with Nowata County (-18.6%) showing the biggest decrease ([Table 5](#)).

[Region 2 \(Click here to magnify map\)](#)



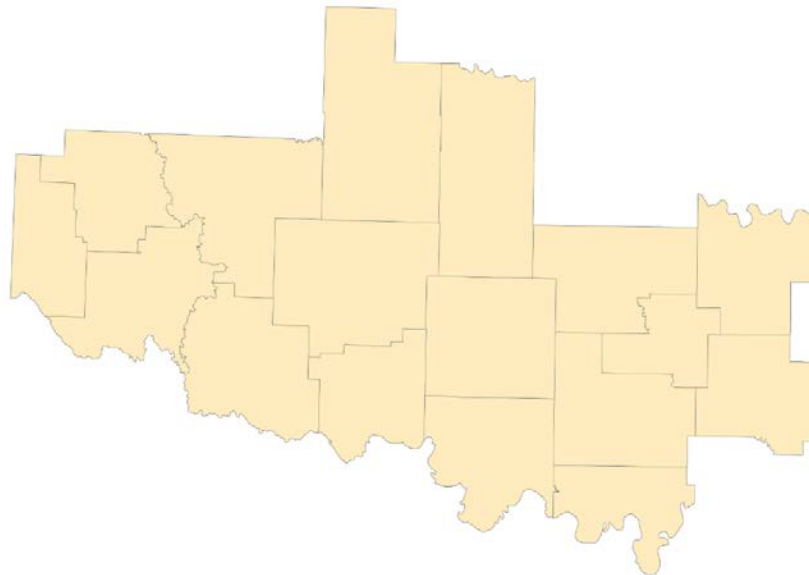
- 70.8% of all the service calls in Region 2 occurred in rural areas while 19.9% occurred in urban areas ([Figure 28](#)).
- The majority of the EMS service calls were performed by ground services (97.5%) with just 2.5% performed by air services ([Figure 29](#)).
- 74.6% of the Region 2 EMS service calls were 911 calls followed by inter-facility transfers (17.8%) and medical transports (4.7%, [Figure 30](#)).
- 77.4% of the service calls were treated and transported followed by patient refusals (10.2%) and no treatment required (3.7%, [Figure 31](#)).
- 74.0% of the patients were reported as White followed by American Indian/Alaska Native (6.7%) and "Other Race" (5.2%, [Figure 32](#)).
- 63.0% of all the service calls were in the 50+ age groups with the 85+ age group having the highest individual age group percentage (12.8%, [Figure 33](#)).
- 37.1% of the EMS service calls had an incident location type of "Home/Residence" followed by "Healthcare Facility" (33.8%, [Figure 34](#)).
- Almost 88% of all Region 2 service calls (treated and transported patients) had a destination type of "Hospital" followed by "Nursing Home" (7.1%, [Figure 35](#)).
- Less than 1% of the service calls were transferred to other EMS responders (air/ground).

- “Closest Facility” was the reason for choosing a destination (treated/transported patients) 29.8% of the time followed by “patient choice” (25.6%, [Figure 36](#)).
- 65.8% of the inter-facility transfers in Region 2 were transferred out to a Region 7 destination ([Map 12](#)) while 16.1% were transferred to a destination within Region 2.
- Traumatic injuries made up 14.3% of the total call volume in Region 2, third highest percentage among Oklahoma regions ([Figure 37](#)).
- EMS agencies licensed as Paramedic Life Support responded to 47.3% of the EMS service calls followed by Basic Life Support agencies at 30.6% ([Figure 38](#)).
- Pafford EMS (13.6%) responded to the highest percentage of service calls in Region 2 followed by Mercy Regional of Oklahoma at 9.3% ([Table 12](#)).
- Among EMS services that made up > 2% of the total service call volume for Region 2, Lifenet, Inc. had the biggest call volume increase at 75.8% while Skiatook Fire & EMS had the largest decrease (-15.2%, [Table 12](#)).
- Most of the EMS service calls occurred in the City of Claremore (11.1%), Owasso (9.6%), and Stillwater (8.8%, [Figure 41](#)).
- Jane Phillips Medical Center-Bartlesville (9.9%) received the highest percentage of treated/transported calls followed by St. John Medical Center-Tulsa (9.4%) and St. Francis Hospital-Tulsa (8.5%, [Table 13](#)).
- OSU Medical Center saw the biggest increase (63.2%) in service call volume from Region 2 with Integris Mayes County Medical Center having the biggest decrease (-33.4%, [Table 13](#)).
- 93.5% of the treated and transported patients in Region 2 were taken to an Oklahoma destination, though patients also went to Missouri (2.4%) and Arkansas (0.7%, [Figure 55](#)).
- Patients going to a Missouri destination showed a 25.8% increase while patients going to a Kansas destination decreased (-14.2%) between 2011 and 2015.

Region 3

- Region 3 covers 17 counties but is 5th for percentage of EMS service calls when compared to other Oklahoma regions ([Table 9](#)).
- Region 3 saw a 15.0% increase in the number of EMS calls between 2011 and 2015 ([Table 9](#)).
- Comanche County (27.5%) had the highest percentage of service calls while Harmon County had the smallest percentage (0.51%, [Figure 42](#)).
- Cotton County (92.9%) had the biggest call volume increase with Jackson County (-18.8%) showing the biggest decrease ([Table 5](#)).

[Region 3 \(Click here to magnify map\)](#)



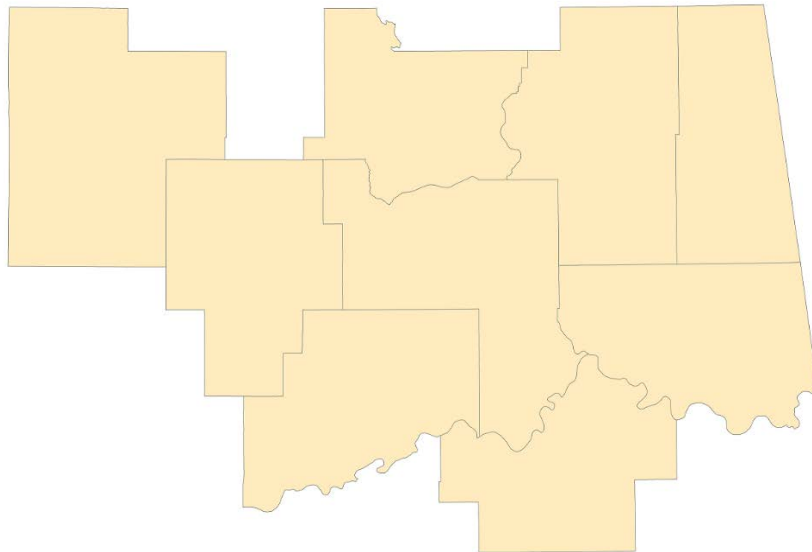
- 69.3% of all the service calls in Region 3 occurred in rural areas with another 30.1% occurring in urban areas ([Figure 28](#)).
- The majority of the EMS service calls were performed by ground services (97.2%) while 2.8% were performed by air services ([Figure 29](#)).
- 76.7% of the EMS service calls were 911 calls for Region 3 followed by inter-facility transfers (11.2%) and medical transports (4.5%, [Figure 30](#)).
- 73.9% of the service calls were treated and transported followed by patient refusals (12.2%) and cancelled calls (4.9%, [Figure 31](#)).
- Most patients were self-described as White (72.3%), Black/African American (7.8%), or American Indian/Alaska Native (7.2%, [Figure 32](#)).
- 58.4% of all the service calls in Region 3 were for the 50+ age groups with the 85+ age group having the highest individual age group percentage (9.9%, [Figure 33](#)).
- 47.3% of the EMS service calls had an incident location type of "Home/Residence" followed by "Healthcare Facility" (28.4%, [Figure 34](#)).

- 86.2% of all Region 3 service calls (treated and transported patients) had a destination type of "Hospital" followed by "Nursing Home" (3.1%, [Figure 35](#)).
- Less than 1% of the service calls were transferred to other EMS responders (air/ground).
- "Closest Facility" was the reason for choosing a destination (treated/transported patients) 39.9% of the time followed by "Patient Choice" (25.2%, [Figure 36](#)).
- 50.6% of the inter-facility transfers in Region 3 were transferred out to a Region 8 destination ([Map 13](#)) while 37.3% were transferred to a destination within Region 3.
- Traumatic injuries made up 13.9% of the total call volume in Region 3, ranking 4th among all Oklahoma regions ([Figure 37](#)).
- EMS agencies licensed as Paramedic Life Support responded to 63.1% of the EMS service calls followed by Basic Life Support agencies at 18.9% ([Figure 38](#)).
- Southern Oklahoma Ambulance Service (12.6%) responded to the highest percentage of service calls followed by Kirks Emergency Service at 11.8% ([Table 14](#)).
- Among EMS services that made up > 2% of the total service call volume, Reynolds Army Community Hospital EMS had the biggest call volume increase at 152.2% with Jackson County EMS having the largest decrease (-19.6%, [Table 14](#)) between 2011 and 2015.
- 22.7% of the EMS service calls occurred in the City of Lawton followed by Ardmore (10.6%) and Ada (9.4%, [Figure 43](#)).
- Comanche County Memorial Hospital (Lawton, 19.4%) received the highest percentage of treated/transported calls followed by Mercy Hospital-Ardmore (11.4%) and Duncan Regional Hospital (7.3%, [Table 15](#)).
- EMS service calls with a destination of "Private Residence" saw the biggest increase (120.9%) in service call volume with Integris Baptist Medical Center-OKC having the biggest decrease (-29.1%, [Table 15](#)) between 2011 and 2015.
- 96.2% of the treated and transported patients in Region 3 remained in Oklahoma while 0.9% were transferred to Texas ([Figure 55](#)).
- The number of patients going from Region 1 to a Texas destination increased by 163.9% between 2011 and 2015.

Region 4

- Region 4 covers 9 counties but comes in 4th for percentage of EMS service calls when compared to other regions ([Table 9](#)).
- Region 4 had a 12.7% increase in the number of EMS calls between 2011 and 2015 ([Table 9](#)).
- Muskogee County (31.7%) had the highest percentage of service calls while Haskell County had the smallest percentage (2.5%, [Figure 44](#)).
- Haskell County (41.4%) had the biggest call volume increase with Wagoner County (-16.3%) showing the biggest decrease ([Table 5](#)).

[Region 4 \(Click here to magnify map\)](#)



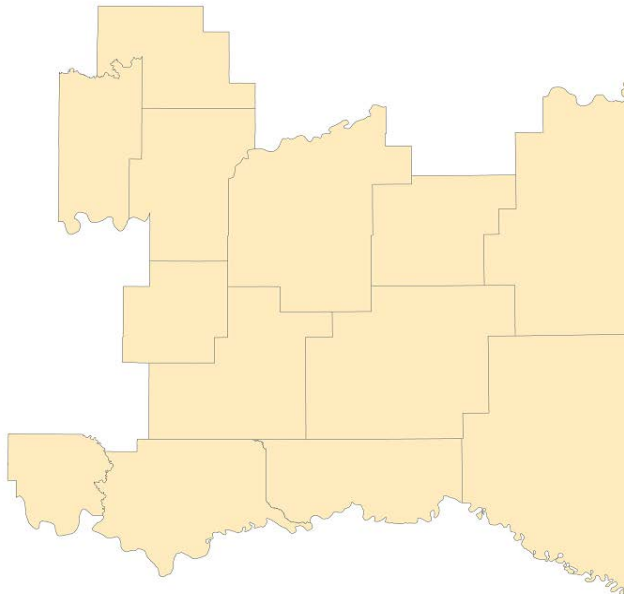
- 77.5% of all the service calls in Region 4 occurred in rural areas with another 22.3% occurring in urban areas ([Figure 28](#)).
- The majority of the EMS service calls were performed by ground services (97.9%) while 2.1% were performed by air services ([Figure 29](#)).
- 75.1% of the EMS service calls were 911 calls followed by inter-facility transfers (16.6%) and medical transports (4.2%, [Figure 30](#)).
- 76.4% of the service calls were treated and transported followed by “Patient Refusals” (14.2%) and “No Treatment Required” calls (2.5%, [Figure 31](#)).
- Most patients were reported as White (73.0%), American Indian/Alaska Native (11.8%), or Black/African American (7.2%, [Figure 32](#)).
- 61.8% of all service calls were for patients in the 50+ age groups with the 85+ age group having the highest individual age group percentage (9.8%, [Figure 33](#)).
- 42.0% of the EMS service calls had an incident location type of “Home/Residence” followed by “Healthcare Facility” (32.8%, [Figure 34](#)).

- 85.3% of Region 4 service calls (treated and transported patients) had a destination type of "Hospital" followed by "Nursing Home" (7.0%, [Figure 35](#)).
- Less than 1% of the service calls in Region 4 were transferred to other EMS responders (air/ground).
- "Closest Facility" was the reason for choosing a destination (treated/transported patients) 36.7% of the time followed by "Patient Choice" (18.4%, [Figure 36](#)).
- 45.9% of the inter-facility transfers in Region 4 were transferred out to a Region 7 destination ([Map 14](#)) while 44.2% were transferred to a destination within Region 4.
- Traumatic injuries made up 13.1% of the total call volume in Region 4, ranking 5th among all Oklahoma regions ([Figure 37](#)).
- EMS agencies licensed as Basic Life Support (BLS) responded to 55.9% of the EMS service calls in Region 4 followed by Intermediate Life Support (ILS) agencies at 26.8% ([Figure 38](#)).
- Muskogee County EMS (32.2%) responded to the highest percentage of service calls in Region 4 followed by Creek County Emergency Ambulance Service District at 11.4% ([Table 16](#)).
- Among EMS services that made up > 2% of the total service call volume, Southeast EMS (All Licenses) had the biggest call volume increase at 84.7% with Wagoner EMS having the largest decrease (-6.3%, [Table 16](#)).
- 26.3% of EMS service calls occurred in the City of Muskogee followed by Tahlequah (11.8%) and Sapulpa (7.4%, [Figure 45](#)).
- Eastar Health System-Muskogee (all locations, 21.0%) received the highest percentage of treated/transported calls followed by St. Francis Hospital, Inc.-Tulsa (all locations, 10.8%) and Duncan Regional Hospital (7.3%, [Table 17](#)).
- OSU Medical Center (Tulsa) saw the biggest increase (108.5%) in service call volume from Region 4 between 2011 and 2015 with "Nursing Home/Rest Home/Long Term Care" having the biggest decrease (-12.3%, [Table 17](#)).
- 91.1% of the treated and transported patients in Region 4 were remained in Oklahoma destination while 6.3% went to Arkansas ([Figure 55](#)). *Region 4 had the second highest regional percentage going to an out-of-state destination.*
- Patients going to an Arkansas destination from Region 4 showed an 18.0% increase between 2011 and 2015.

Region 5

- Region 5 covers 13 counties but comes in 7th for percentage of EMS service calls when compared to other Oklahoma regions ([Table 9](#)).
- Region 5 had a 10.4% increase in the number of EMS calls between 2011 and 2015 ([Table 9](#)).
- Bryan County (16.5%) had the highest percentage of service calls while Coal County had the smallest percentage (1.7%, [Figure 46](#)).
- Haskell County (41.4%) had the biggest call volume increase while Wagoner County (-16.3%) showed the biggest decrease ([Table 5](#)).

[Region 5 \(Click here to magnify map\)](#)



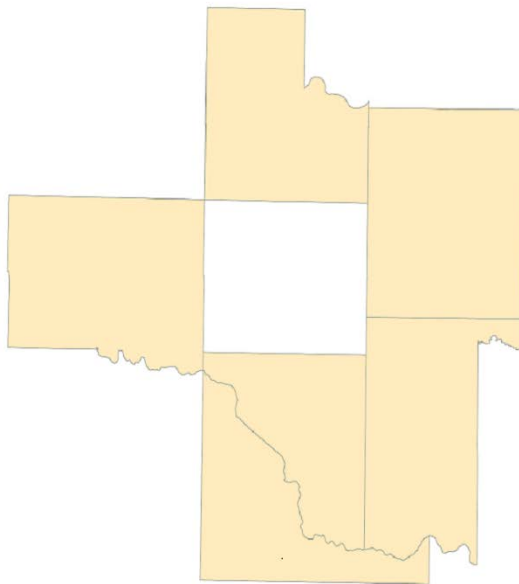
- 95.6% of all the service calls in Region 5 occurred in rural areas with another 4.1% occurring in urban areas ([Figure 28](#)).
- The majority of the EMS service calls were performed by ground services (95.9%) while 4.1% were performed by air services ([Figure 29](#)).
- 72.3% of the EMS service calls were 911 calls followed by inter-facility transfers (14.1%) and medical transports (8.2%, [Figure 30](#)).
- 77.7% of the service calls were treated and transported followed by “Patient Refusals” (11.4%) and “No Treatment Required” calls (2.9%, [Figure 31](#)).
- 69.6% of the patients were reported as White followed by American Indian/Alaska Native (9.4%) and Black/African American (4.5%, [Figure 32](#)).
- 64.3% of service calls were for patients in the 50+ age groups with the 85+ age group having the highest individual age group percentage (11.6%, [Figure 33](#)).
- 39.2% of the EMS service calls had an incident location type of “home/residence” followed by “healthcare facility” (35.1%, [Figure 34](#)).

- 85.1% of service calls (treated and transported patients) had a destination type of “Hospital” followed by “Nursing Home” (5.6%, [Figure 35](#)).
- 1% of the service calls in Region 5 were transferred to other EMS responders (air/ground).
- *“Closest Facility” was the reason for choosing a destination (treated/transported patients) 46.9% of the time, the highest percentage among all Oklahoma regions.* “Patient Choice” (16.7%) followed by “Patient Physicians Choice” (18.4%, [Figure 36](#)) were a distant second and third, respectively.
- 26.8% of the inter-facility transfers in Region 5 were transferred out to a Region 7 destination ([Map 15](#)) while 23.4% were transferred to a Region 8 destination. Only 20.8% were transferred to a destination within Region 5.
- Traumatic injuries made up 12.4% of the total call volume in Region 5, ranking 6th among all Oklahoma regions ([Figure 37](#)).
- EMS agencies licensed as Basic Life Support responded to 50.6% of the EMS service calls in Region 5 followed by Intermediate Life Support agencies at 43.3% ([Figure 38](#)). Region 5 had the lowest percentage of Paramedic Life Support agency responses compared to all other Oklahoma regions.
- EMS of LeFlore County (14.1%) responded to the highest percentage of service calls followed by Bryan County EMS at 12.9% ([Table 18](#)).
- Among EMS services that made up > 2% of the total service calls, Marshall County EMS District had the biggest call volume increase at 49.2% with Creek Nation EMS having the largest decrease (-26.7%, [Table 18](#)) between 2011 and 2015.
- 13.3% of the EMS service calls occurred in the City of McAlester followed by Durant (11.6%) and Idabel (5.9%, [Figure 47](#)).
- Treated/Transported patients were taken to an out-of-state facility 15.1% of the time with the most common Oklahoma destinations being the Medical Center of Southeastern Oklahoma (11.7%) and McAlester Regional Health Center (11.5%, [Table 19](#)).
- Holdenville General Hospital saw the biggest increase (36.4%) in service call volume for Region 5 with Atoka Memorial Hospital having the biggest decrease (-14.3%, [Table 19](#)) between 2011 and 2015.
- 82.3% of the treated and transported patients in Region 5 were taken to an Oklahoma destination followed by Arkansas (8.7%, [Figure 55](#)) and Texas (6.1%). *Region 5 had the highest percentage of service calls going to out-of-state destinations compared to other Oklahoma regions.*
- Patients going to an Arkansas destination showed a 45.5% increase between 2011 and 2015.

Region 6

- Region 6 covers 6 counties and comes in 6th for percentage of EMS service calls when compared to other Oklahoma regions ([Table 9](#)).
- Region 6 saw a 27.3% increase in the number of EMS calls between 2011 and 2015 ([Table 9](#)), the largest increase among all the Oklahoma regions.
- Cleveland County (43.1%) had the highest percentage of service calls with Logan County having the smallest percentage (4.6%, [Figure 48](#)).
- Canadian County (54.9%) had the biggest call volume increase with McClain County (4.4%) showing the smallest increase ([Table 5](#)).

[Region 6 \(Click here to magnify map\)](#)



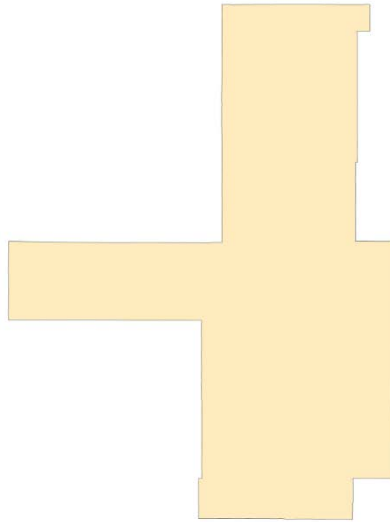
- 67.9% of all the service calls in Region 6 occurred in urban areas with another 32.0% occurring in rural areas ([Figure 28](#)).
- The majority of the EMS service calls were performed by ground services (99.4%) with only 0.6% performed by air services ([Figure 29](#)).
- 77.3% of EMS service calls were 911 calls followed by inter-facility transfers (18.0%) and medical transports (2.2%, [Figure 30](#)).
- 77.0% of service calls were treated and transported followed by “Patient Refusals” (10.3%) and “Cancelled” calls (5.0%, [Figure 31](#)).
- The majority of patients were reported as White (76.0%) followed “Other race” (6.9%) and Black/African American (4.1%, [Figure 32](#)).
- 58.2% of all the service calls for Region 6 were for patients in the 50+ age groups with the 85+ age group having the highest individual age group percentage (10.2%, [Figure 33](#)).
- 40.4% of the EMS service calls had an incident location type of “Home/Residence” followed by “Healthcare Facility” (30.2%, [Figure 34](#)).

- 89.8% of service calls (treated and transported patients) had a destination type of “Hospital” followed by “Nursing Home” (2.8%, [Figure 35](#)).
- Less than 1% of the service calls in Region 6 were transferred to other EMS responders (air/ground).
- “Closest Facility” was the reason for choosing a destination (treated/transported patients) 39.1% of the time followed by “Patient Choice” (24.1%) and “Specialty Resource Center” (15.5%, [Figure 36](#)).
- 48.5% of the inter-facility transfers in Region 6 were transferred to a Region 6 destination ([Map 16](#)) with 41.0% transferred out to a Region 8 destination.
- Traumatic injuries made up 14.9% of the total call volume in Region 6, ranking 2nd among all Oklahoma regions ([Figure 37](#)).
- EMS agencies licensed as Paramedic Life Support responded to 83.6% of the EMS service calls followed by Intermediate Life Support agencies (43.3%) and Basic Life Support agencies ([Figure 38](#)).
- EMSSTAT-Norman Regional Hospital EMS (32.2%) responded to the highest percentage of service calls followed by React EMS at 21.7% ([Table 20](#)).
- Among EMS services that made up >2% of the total service call volume , EMSA-West Division had the biggest call volume increase at 159.8% with Midwest Hospital EMS having the largest decrease (-85.4%, [Table 20](#)) between 2011 and 2015.
- 29.4% of the EMS service calls occurred in the City of Norman followed by Shawnee (15.7%) and Oklahoma City (9.6%, [Figure 49](#)). *The City of Yukon (107.2%) and Mustang (100.2%) had the largest increases in call volume in Region 6 between 2011 and 2015.*
- Norman Regional Hospital (26.1%) received the highest percentage of treated/transported calls followed by Unity Health Center-Shawnee (13.3%) and Integris Hospitals (all locations, 12.5%, [Table 21](#)).
- St. Anthony Hospital saw the biggest increase (147.7%, all locations combined) in service call volume with Purcell Municipal Hospital having the biggest decrease (-1.5%, [Table 21](#)) between 2011 and 2015.
- 96.3% of the treated and transported patients in Region 6 were taken to an Oklahoma destination, although there were many invalid zip codes (3.7%, [Figure 55](#)).
- Invalid Zip codes decreased by 74.9% between 2011 and 2015.

Region 7

- *Region 7 includes only 1 county (Tulsa County) but comes in 1st for percentage of EMS service calls when compared to other Oklahoma regions ([Table 9, Figure 50](#)).*
- *Region 7 saw a 17.3% increase in the number of EMS calls between 2011 and 2015 ([Table 9](#)), the 2nd largest increase among all the Oklahoma regions.*

[Region 7 \(Click here to magnify map\)](#)



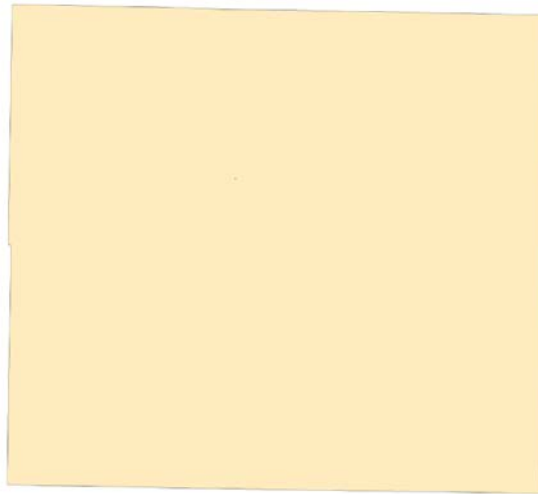
- 98.6% of all the service calls in Region 7 occurred in urban areas ([Figure 28](#)).
- The majority of the EMS service calls were performed by ground services (99.9%) while 0.1% were performed by air services ([Figure 29](#)).
- 85.1% of the EMS service calls were 911 calls followed by inter-facility transfers (10.7%) and medical transports (2.2%, [Figure 30](#)).
- 71.7% of the service calls were treated and transported followed by “Patient Refusals” (9.7%) and “No Patient Found” calls (8.9%, [Figure 31](#)). *Region 7 had the highest percentage of “No Patient Found” calls when compared to all other Oklahoma regions.*
- The majority of patients were reported as White (67.1%), Black/African American (15.3%), or Hispanic/Latino (3.2%, [Figure 32](#)).
- 53.5% of all the service calls were for patients in the 50+ age groups with the 85+ age group having the highest individual age group percentage (10.0%, [Figure 33](#)). *Region 7 had the lowest regional percentage of patients in the 50+ age groups.*
- 40.4% of the EMS service calls had an incident location type of “Home/Residence” followed by “Healthcare Facility” (23.6%, [Figure 34](#)).
- 84.3% of all Region 7 service calls (treated and transported patients) had a destination type of “Hospital” followed by “Nursing Home” (9.8%, [Figure 35](#)). *Region 7 had the highest regional percentage of patients going to nursing homes.*

- Less than 1% of the service calls in Region 7 were transferred to other EMS responders (air/ground).
- “Patient Choice” was the primary reason for destination choice (treated/transported patients) 73.3% of the time followed by “Other” (11.5%) and “Patient Physicians’ Choice” (3.8%, [Figure 36](#)).
- 74.1% of the inter-facility transfers in Region 7 were transferred to a Region 7 destination ([Map 17](#)) with 13.3% transferred out to a Region 4 destination.
- *Traumatic injuries made up 12.2% of the total call volume, ranking last among all Oklahoma regions* ([Figure 37](#)).
- EMS agencies licensed as Paramedic Life Support responded to 93.8% of the EMS service calls in Region 7 followed by Intermediate Life Support agencies (3.4%) and Basic Life Support agencies ([Figure 38](#)).
- EMSA-East Division (83.9%) responded to the highest percentage of service calls in Region 7 followed by Broken Arrow Fire Department EMS at 6.1% ([Table 22](#)).
- Among EMS services that made up > 1% of the total service call volume during the specified time period, Mercy Regional of Oklahoma EMS had the biggest call volume increase at 98.9% with EMSA-East Division having the smallest increase (11.3%, [Table 22](#)).
- 82.7% of the EMS service calls occurred in the City of Tulsa followed by Broken Arrow (7.8%) and Sand Springs (3.2%, [Figure 51](#)).
- St. Francis Hospital (29.0%, all locations) received the highest percentage of treated/transported calls followed by St. John Medical Center (25.4%, all locations) and Hillcrest Hospital (all locations, 18.8%, [Table 23](#)).
- “Private Residence” saw the biggest increase (277.1%, mainly due to better reporting) in service call volume between 2011 and 2015 with Hillcrest Hospital (all locations) having the smallest increase (8.2%, [Table 23](#)).
- 98.4% of the treated and transported patients in Region 7 were taken to an Oklahoma destination followed by invalid zip codes (1.4%, [Figure 55](#)).
- Invalid Zip codes decreased by 54.9% between 2011 and 2015.

Region 8

- Region 8 includes only 1 county (Oklahoma County) but comes in 2nd for percentage of EMS service calls when compared to other Oklahoma regions ([Table 9, Figure 50](#)).
- *The number of EMS calls increased by 6.6% in Region 8 between 2011 and 2015 ([Table 9](#)), the smallest increase among all the Oklahoma regions (mainly due to some missing data for a specific agency).*

[Region 8 \(Click here to magnify map\)](#)



- 98.8% of all the service calls in Region 8 occurred in urban areas ([Figure 28](#)).
- The majority of the EMS service calls were performed by ground services (99.8%) while 0.2% were performed by air services ([Figure 29](#)).
- 90.2% of the EMS service calls were 911 calls followed by inter-facility transfers (6.0%) and medical transports (2.4%, [Figure 30](#)).
- 77.6% of the service calls were treated and transported followed by “Patient Refusals” (8.2%) and “No Patient Found” calls (7.6%, [Figure 31](#)).
- The majority of patients were reported as White (62.8%), Black/African American (17.9%), or Hispanic/Latino (5.0%, [Figure 32](#)).
- 53.7% of all the service calls were for patients in the 50+ age groups with the 85+ age group having the highest individual age group percentage (9.1%, [Figure 33](#)). *Region 8 had the lowest percentage of patients in the 85+ age groups compared to other Oklahoma regions.*
- 44.1% of the EMS service calls had an incident location type of “Home/Residence” followed by “Healthcare Facility” (16.9%, [Figure 34](#)).
- 96.5% of all service calls (treated and transported patients) had a destination type of “Hospital” followed by “Nursing Home” (0.8%, [Figure 35](#)). *Region 8 had the highest percentage of patients going to hospitals compared to other Oklahoma regions.*

- Less than 1% of the service calls in Region 8 were transferred to other EMS responders (air/ground).
- “Patient Choice” was the reason for choosing a destination (treated/transported patients) 79.8% of the time followed by “Other” (11.5%) and “Patient Physicians’ Choice” (3.8%, [Figure 36](#)).
- 86.7% of the inter-facility transfers in Region 8 were transferred to a Region 8 destination ([Map 18](#)) with 5.1% transferred out to a Region 6 destination. *Region 8 had the highest regional percentage of inter-facility transfers staying within the region.*
- Traumatic injuries made up 14.3% of the total call volume in Region 8, ranking 3rd among all Oklahoma regions ([Figure 37](#)).
- EMS agencies licensed as Paramedic Life Support responded to 94.9% of the EMS service calls followed by Specialty Care agencies (4.8%) and Basic Life Support agencies ([Figure 38](#)).
- EMSA-West Division (84.9%) responded to the highest percentage of service calls in Region 8 followed by Midwest Regional Hospital EMS at 9.4% ([Figure 52](#)).
- Among EMS services that made up > 2% of the total service call volume during the specified time period, St. Anthony Healthplex Transport Team had the biggest call volume increase at 114.5%. Midwest Regional Hospital EMS had the only decrease (-38.9%, [Figure 52](#)). The decrease in service calls for Midwest Regional EMS was primarily due to missing data in OKEMSIS.
- 84.1% of the EMS service calls occurred in Oklahoma City followed by Edmond (7.6%) and Bethany (2.7%, [Figure 53](#)).
- Integris Hospitals (28.1%, all locations) received the highest percentage of treated/transported calls followed by St. Anthony Hospitals (17.1%, all locations) and OU Medical Center (all locations, 16.8%, [Table 24](#)).
- St. Anthony Hospital (all locations) saw the biggest increase (57.9%) in service call volume between 2011 and 2015 with Midwest Regional Medical Center having the largest decrease (-40.6%, [Table 24](#)).
- 98.6% of the treated and transported patients in Region 8 were taken to an Oklahoma destination followed by invalid zip codes (1.3%, [Figure 55](#)). *Region 8 had the highest percentage of patients going to an Oklahoma destination compared to other regions.*
- Invalid Zip codes decreased by 63.9% between 2011 and 2015.

Appendix

Figures

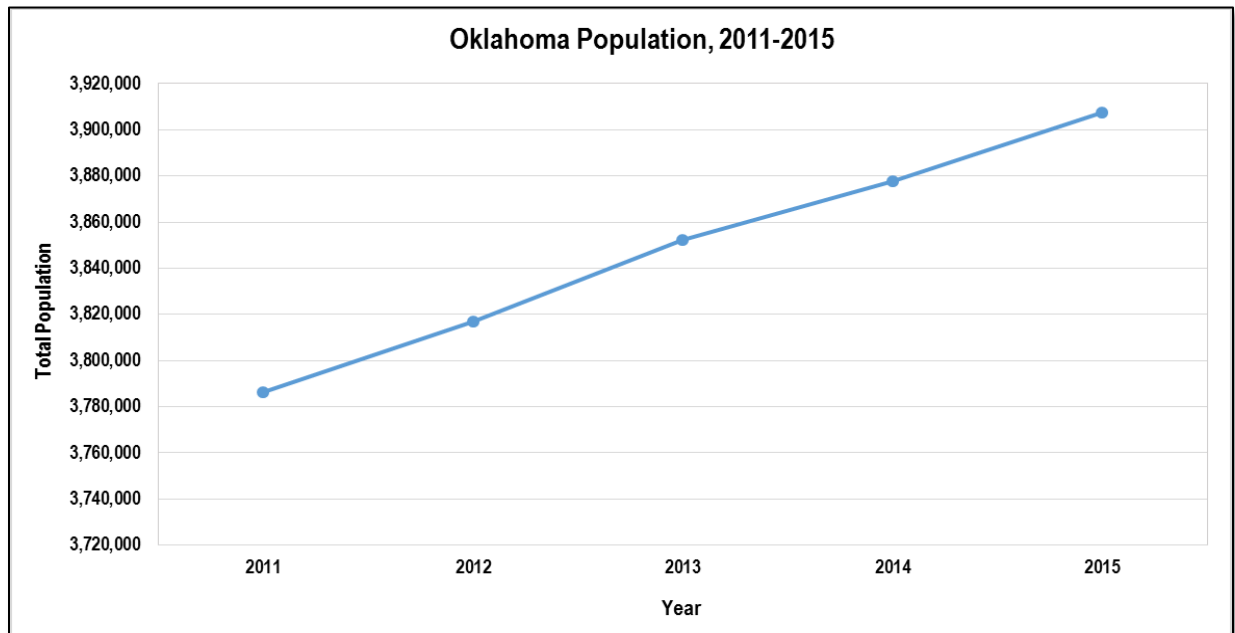


Figure 1: Oklahoma population by year, 2011-2015.

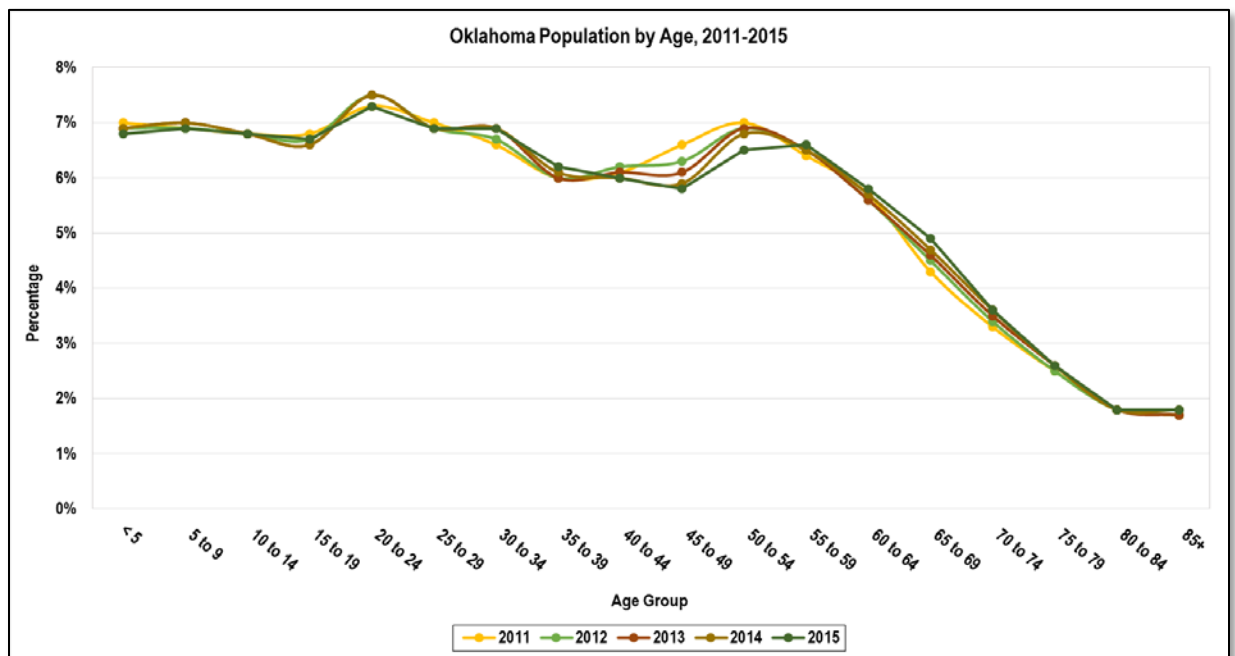


Figure 2: Oklahoma population by age and year, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

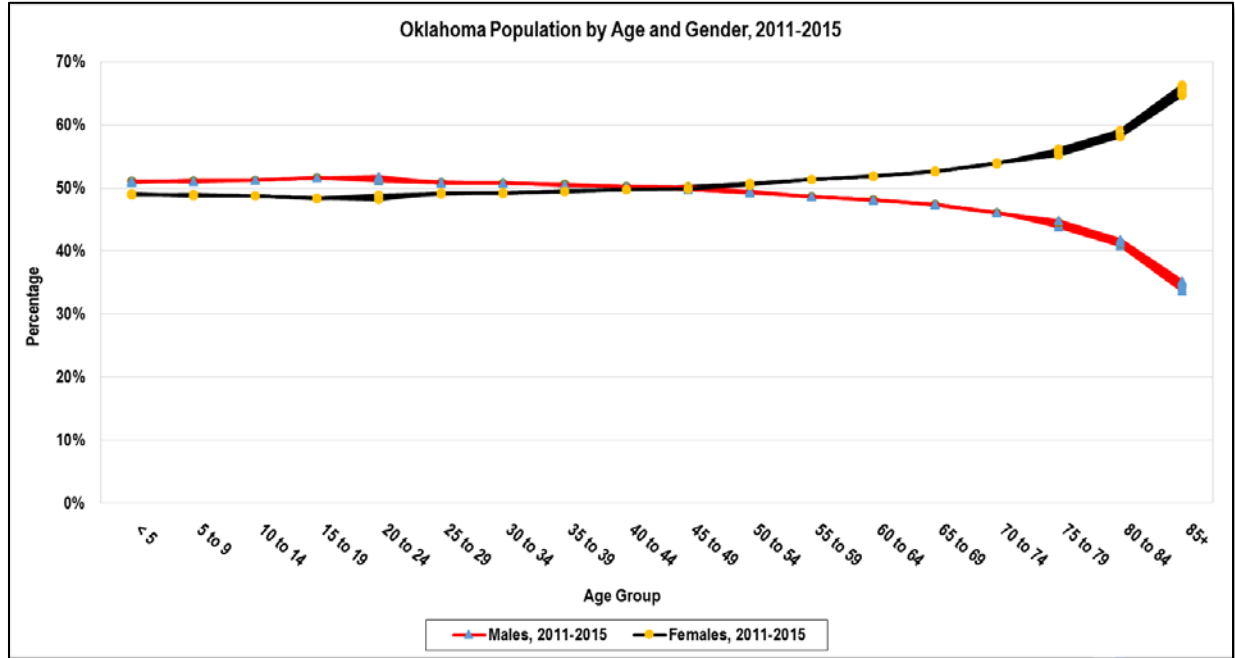


Figure 3: Oklahoma population by age and gender, 2011-2015.

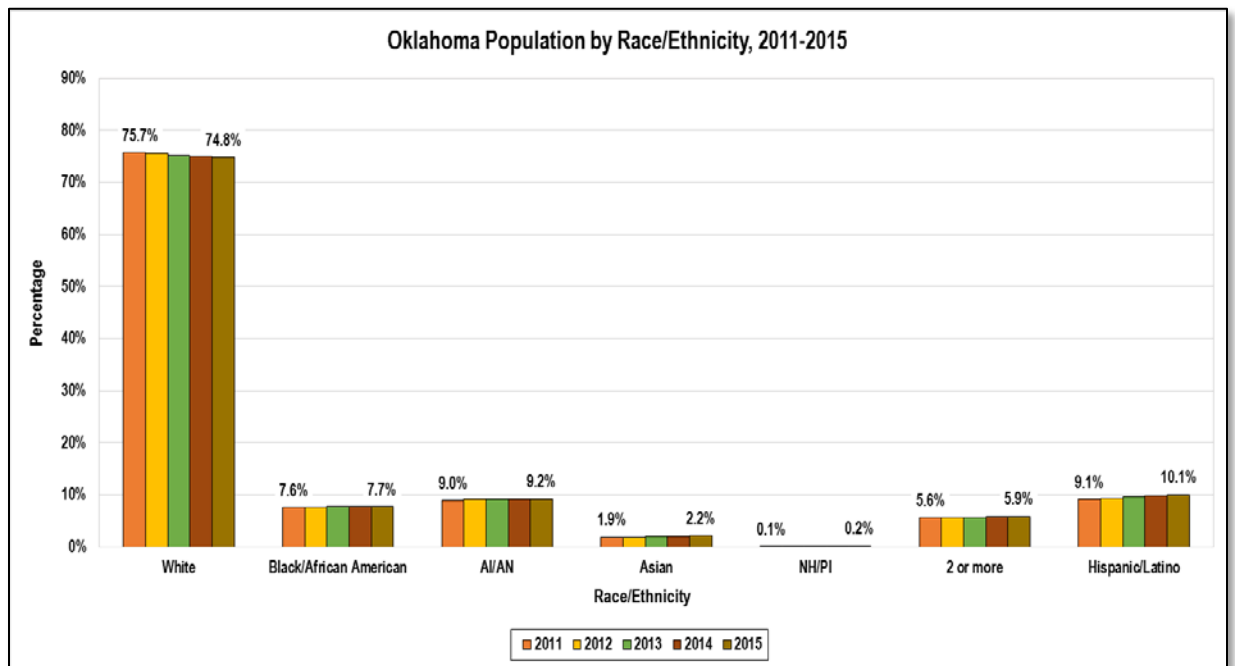


Figure 4: Oklahoma population by race/ethnicity.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

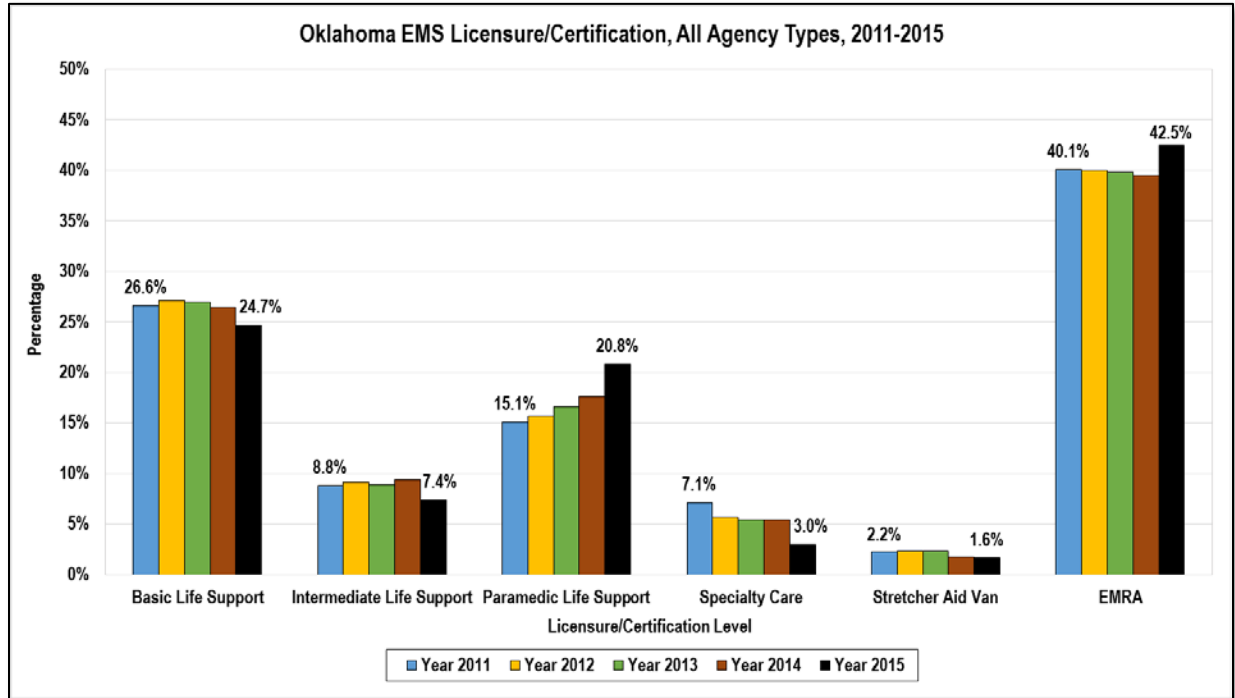


Figure 5: Oklahoma EMS certification/licensure, all agency types, 2011-2015.

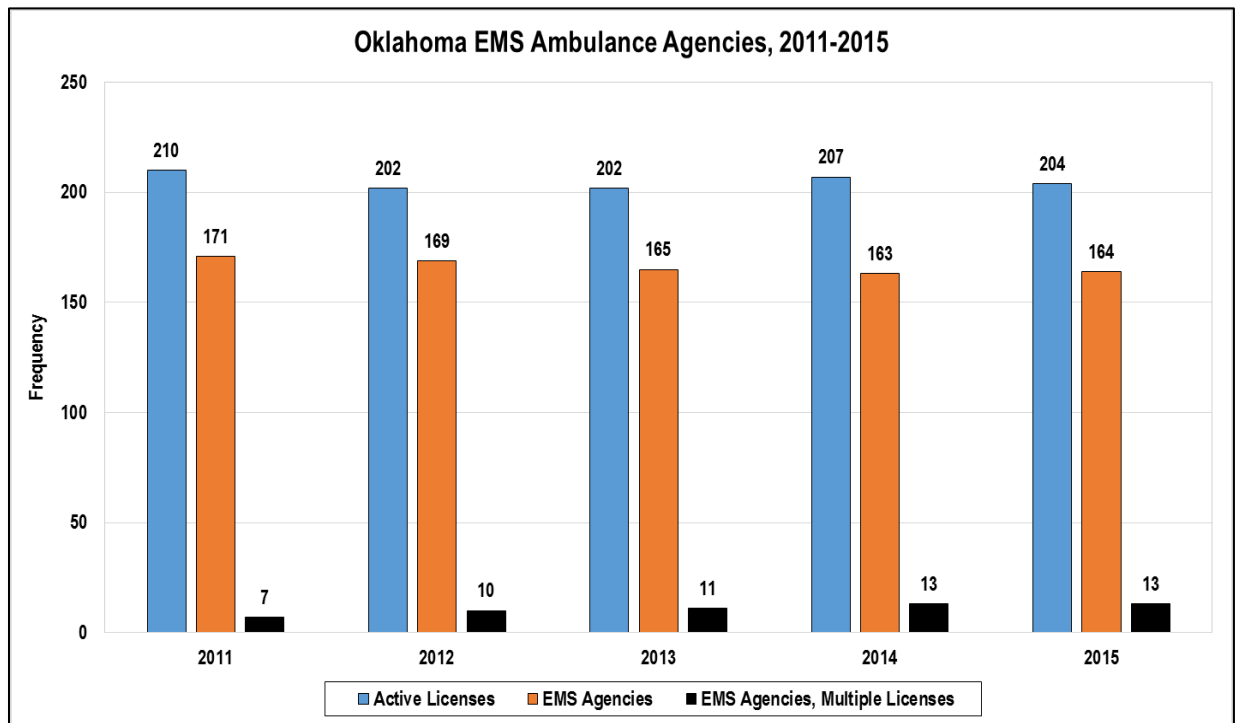


Figure 6: Oklahoma EMS agency demographics by agency licensure, 2011-2015.

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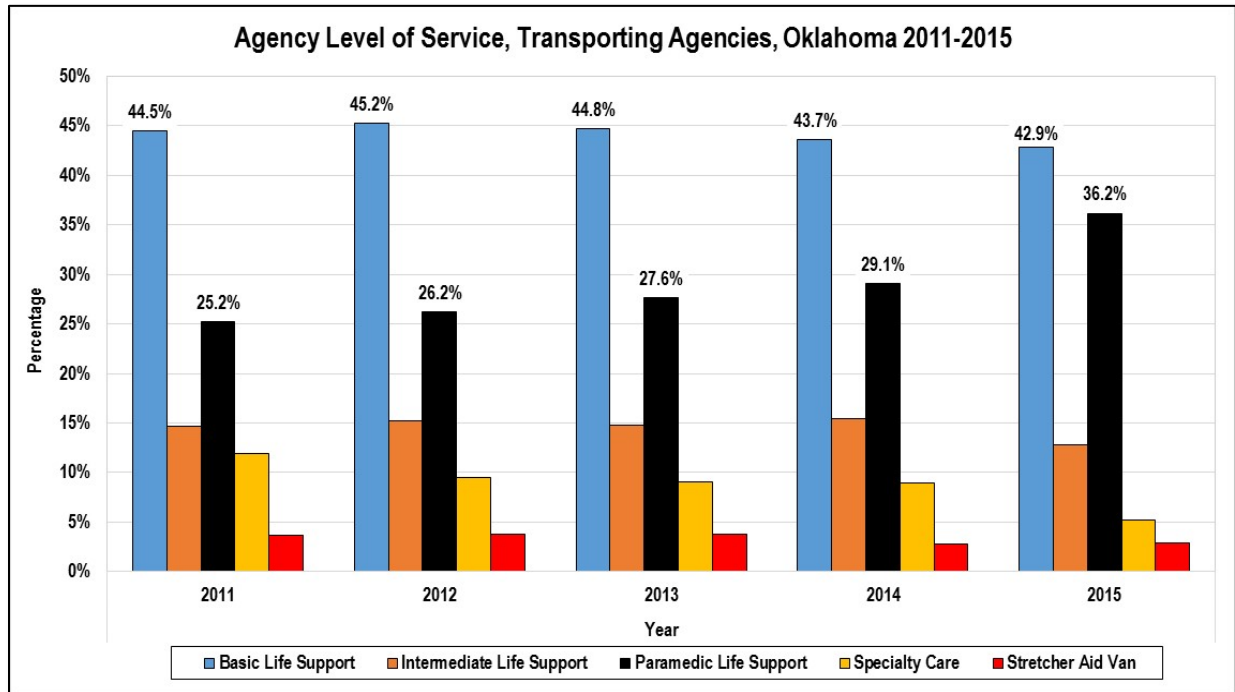


Figure 7: Agency level of service, transporting agencies, Oklahoma 2011-2015.

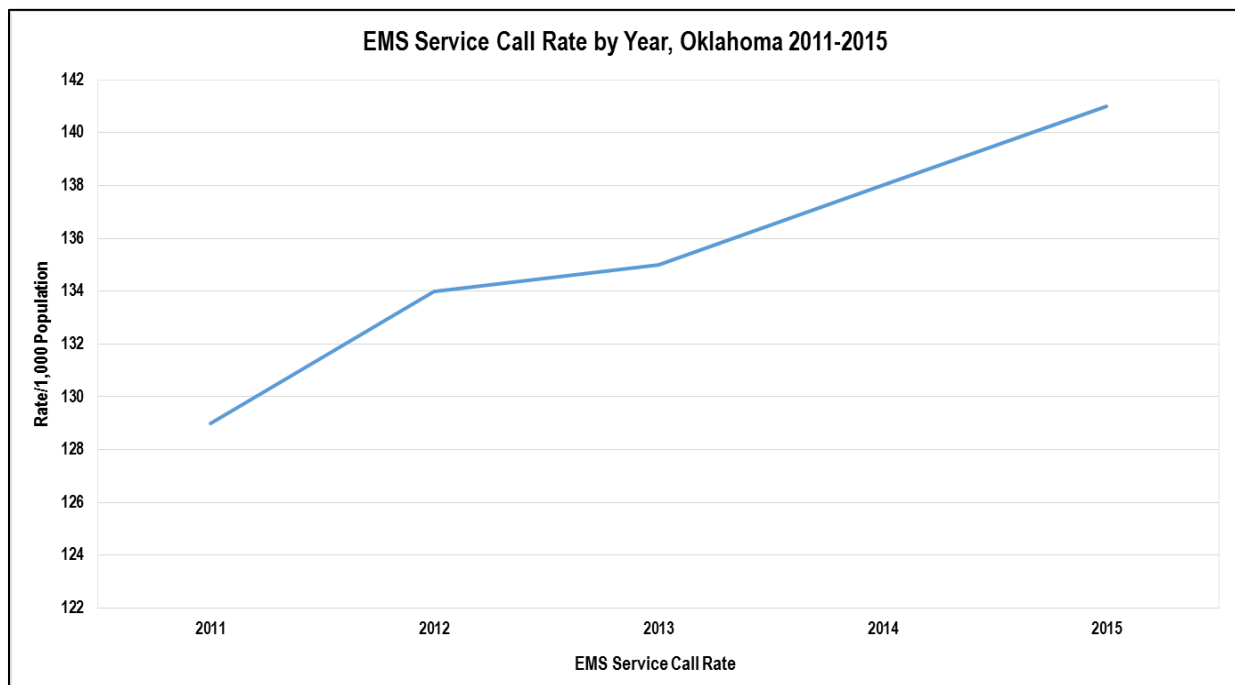


Figure 8: Oklahoma EMS service call volume by year, 2011-2015

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

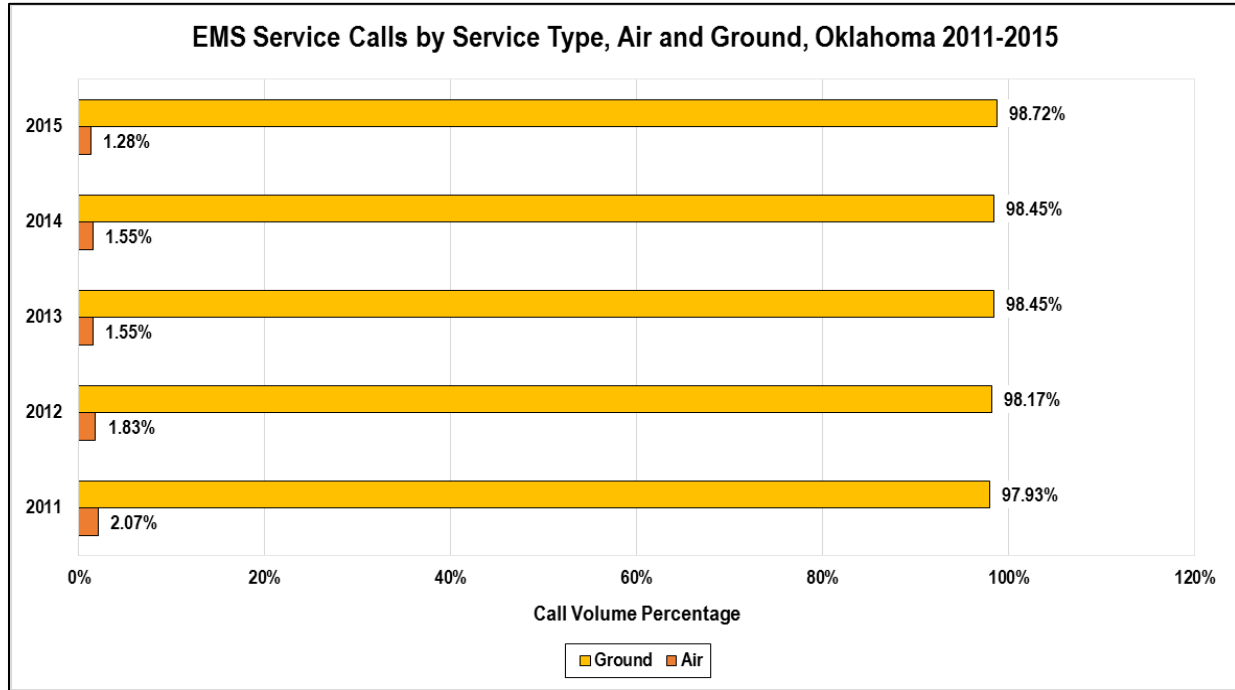


Figure 9: Oklahoma EMS service calls by service type, 2011-2015

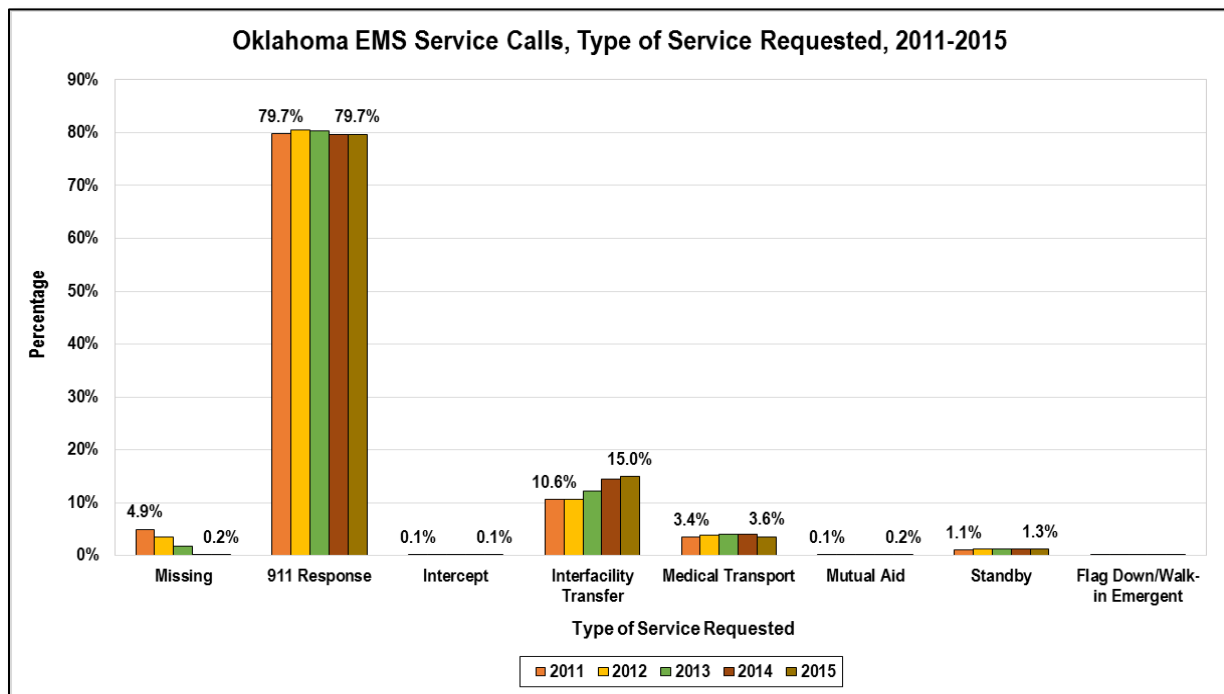


Figure 10: Oklahoma EMS service calls by type of service requested, 2011-2015

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

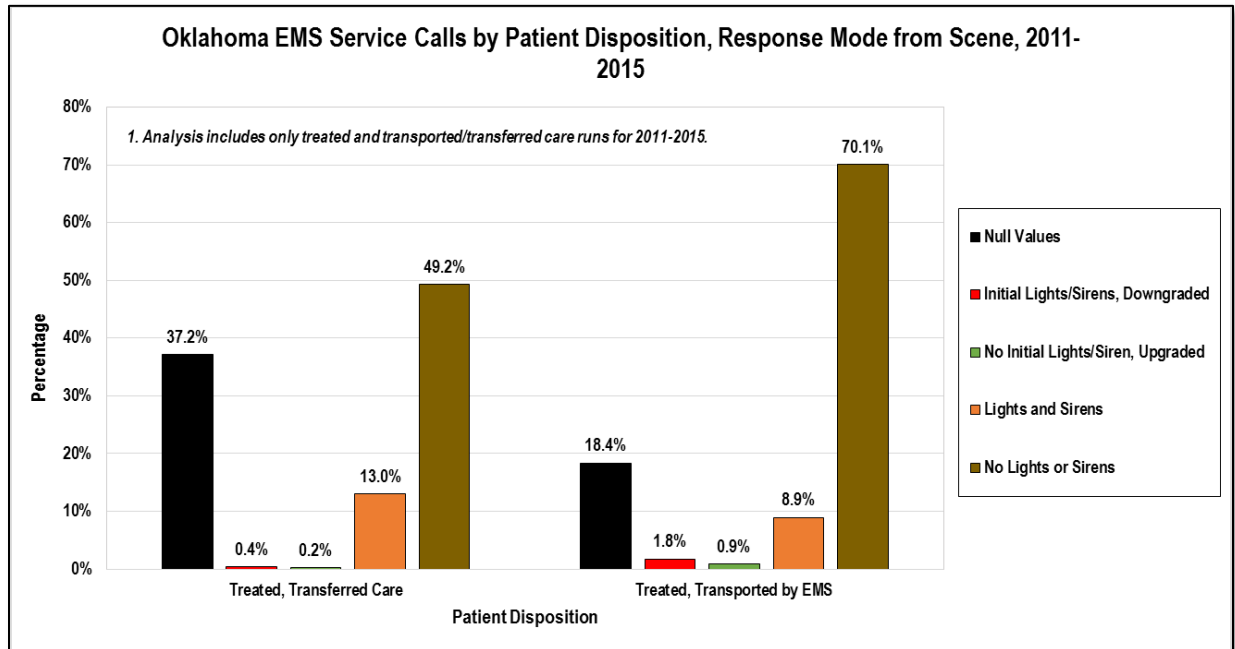


Figure 11: Oklahoma EMS service calls by response mode from scene, 2011-2015

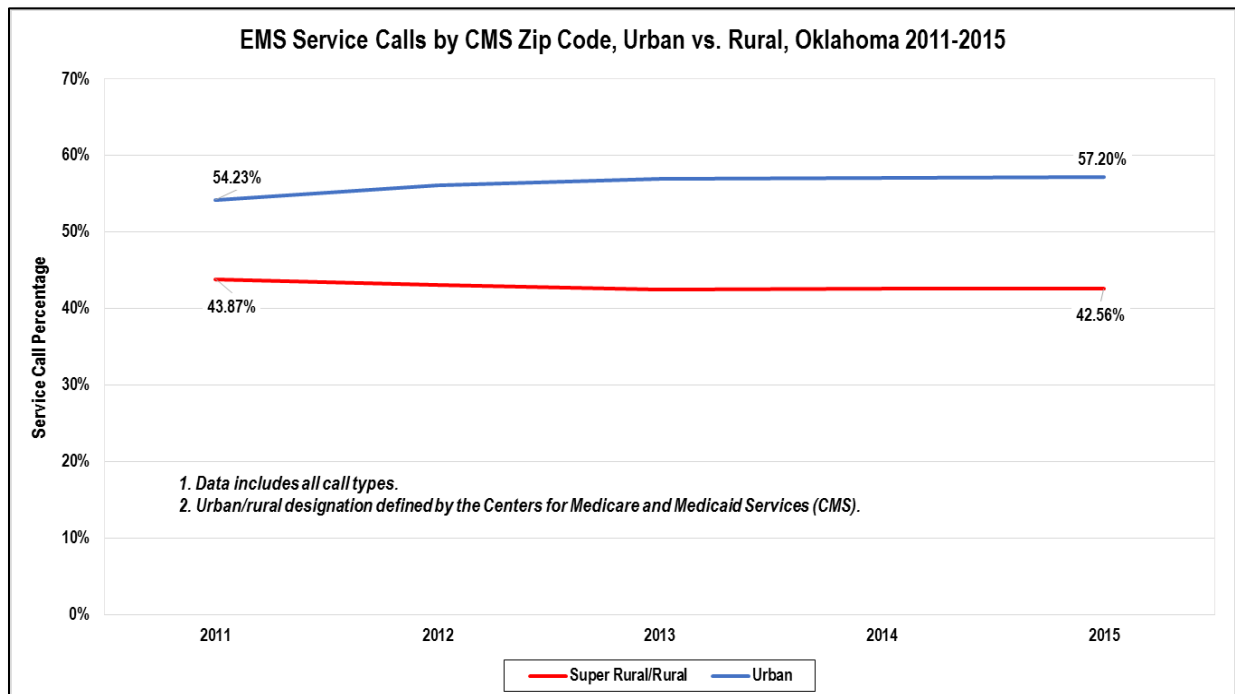


Figure 12: EMS service calls by CMS zip code, Oklahoma 2011-2015

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

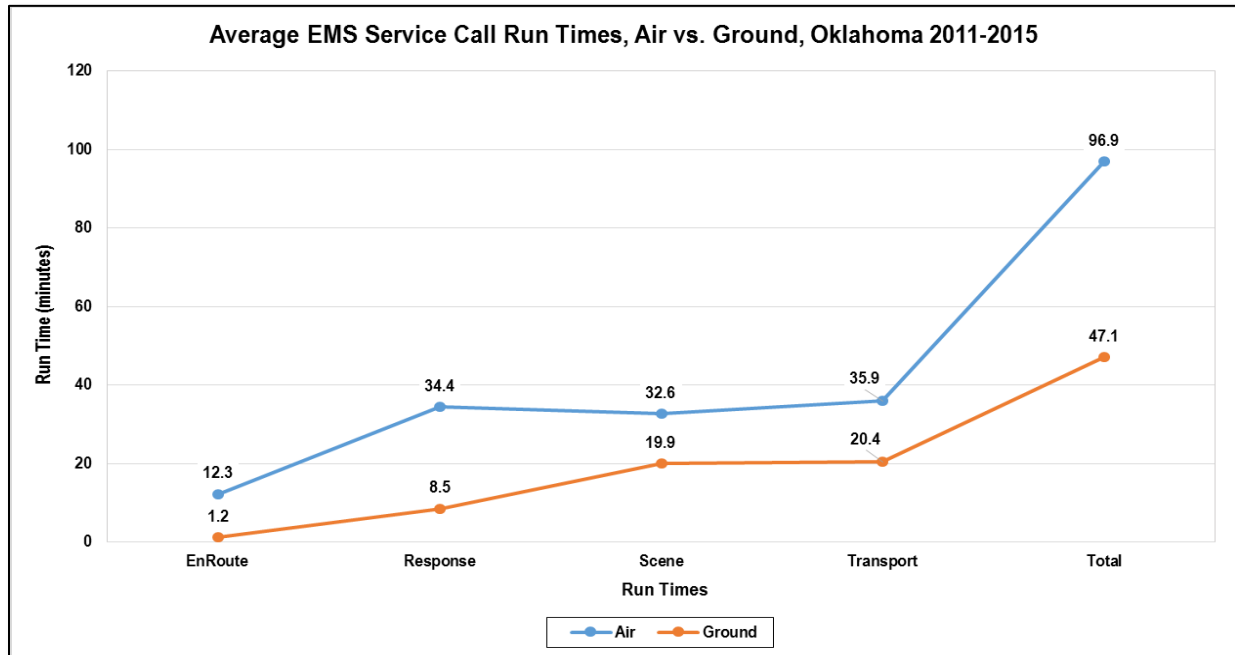


Figure 13: EMS service call run times, air providers vs. ground providers, Oklahoma 2011-2015

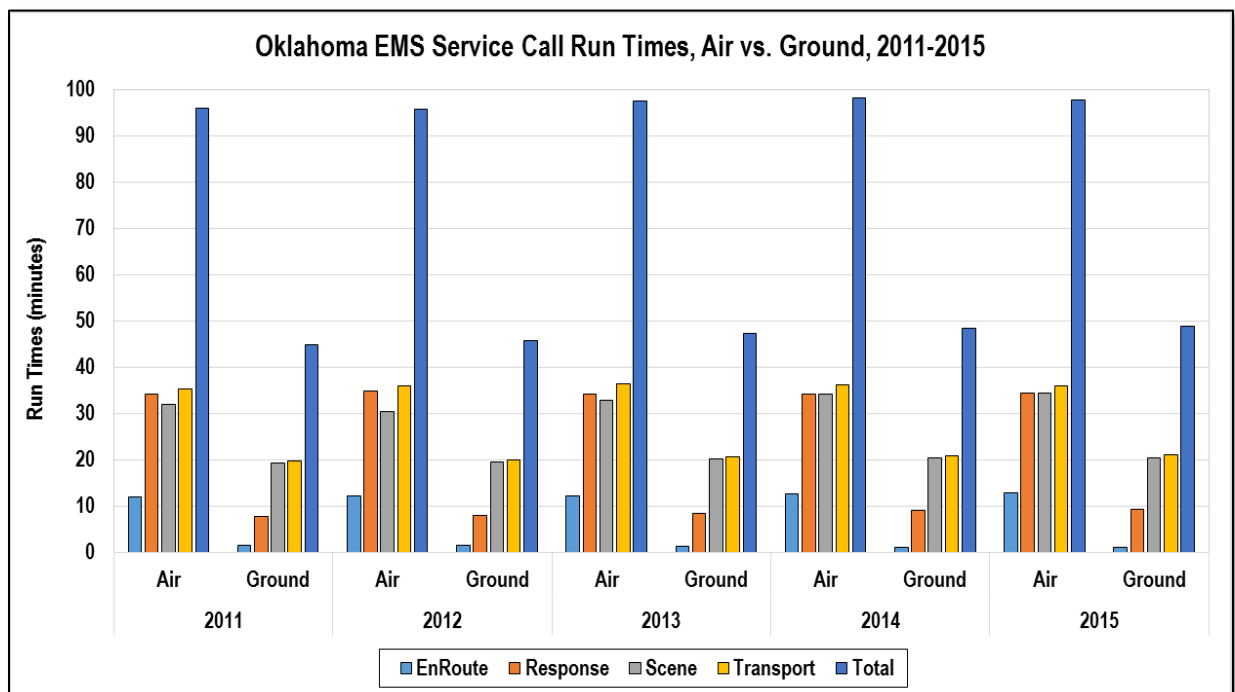


Figure 14: Oklahoma EMS service call run times, air vs. ground, 2011-2015

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

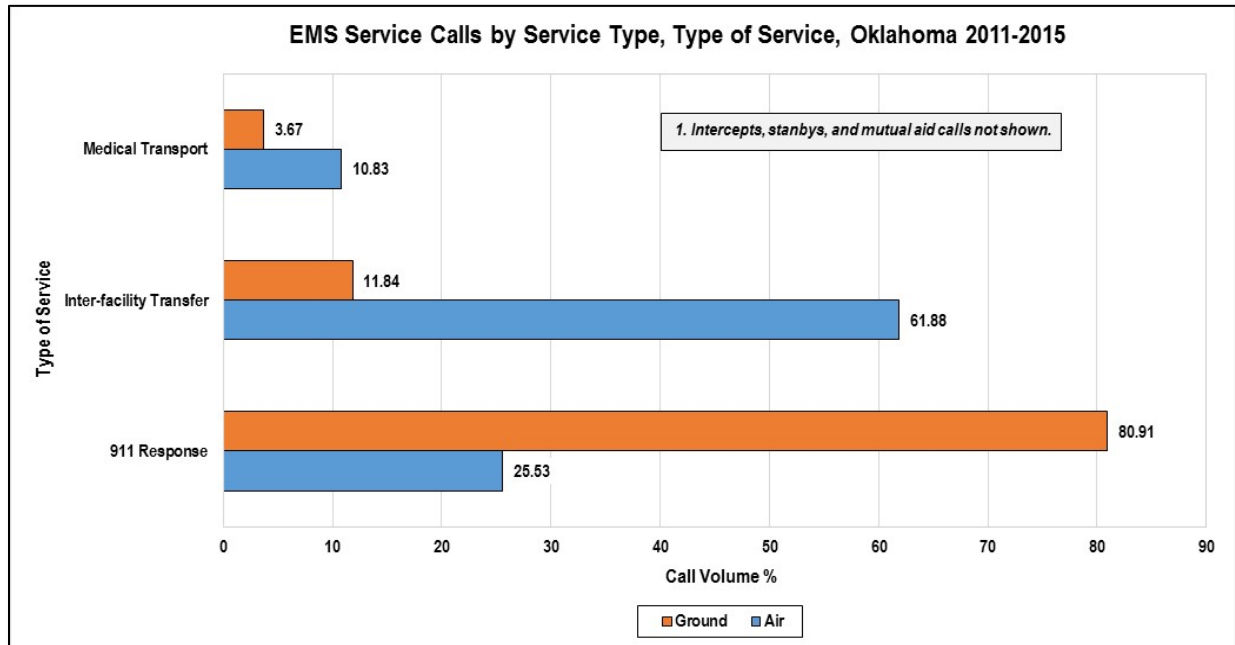


Figure 15: EMS service calls by type of service requested, air vs. ground, 2011-2015.

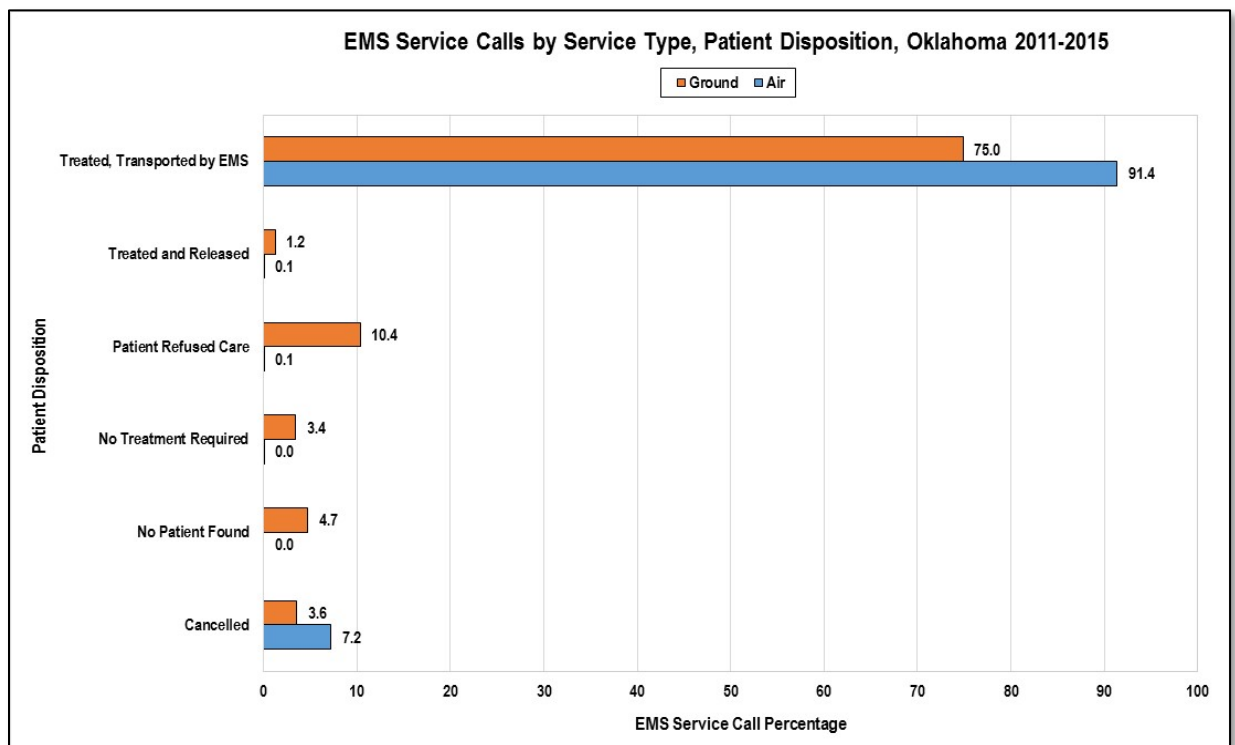


Figure 16: EMS service calls by patient disposition, air vs. ground, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

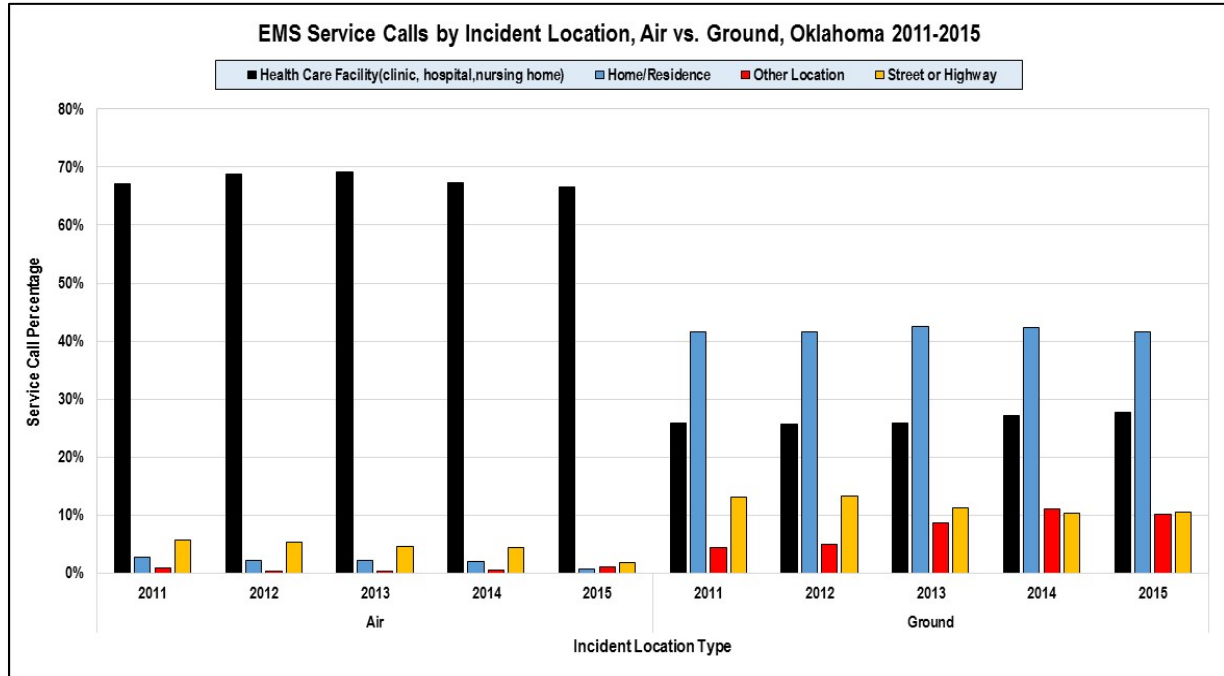


Figure 17: EMS service calls by incident location type, air vs. ground 2011-2015

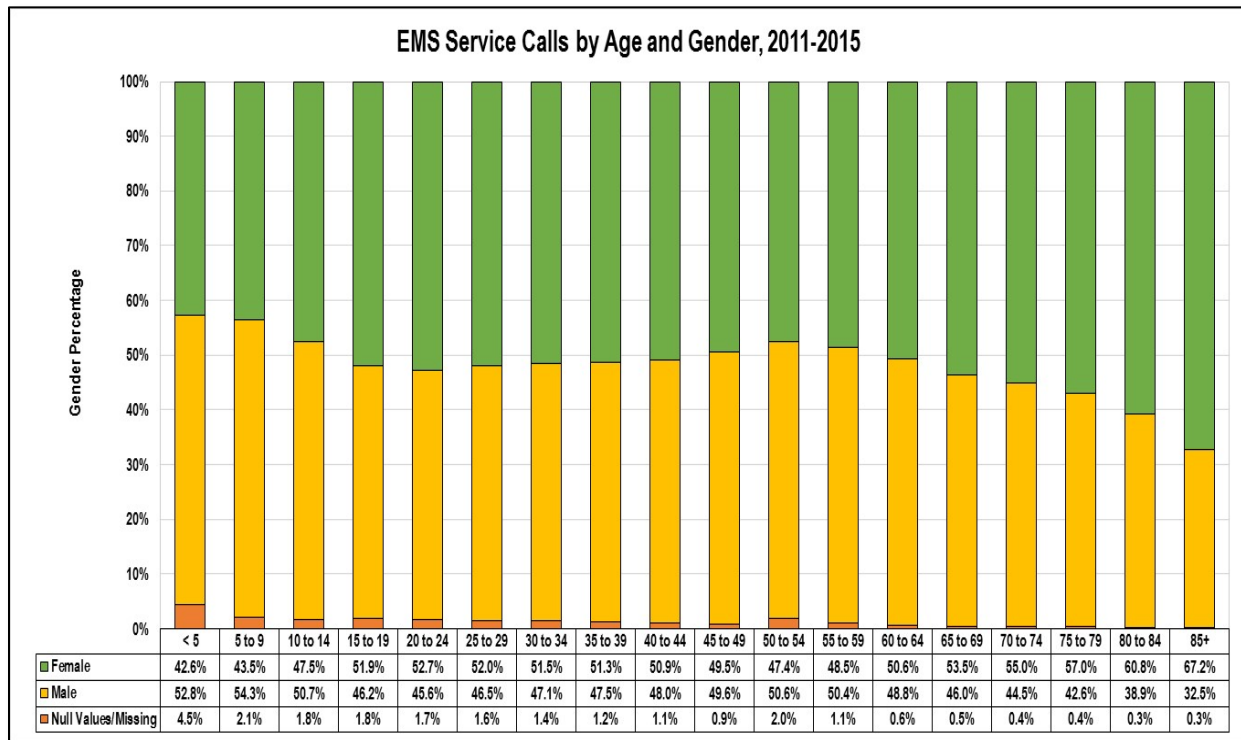


Figure 18: EMS service calls by age and gender (all call types), 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

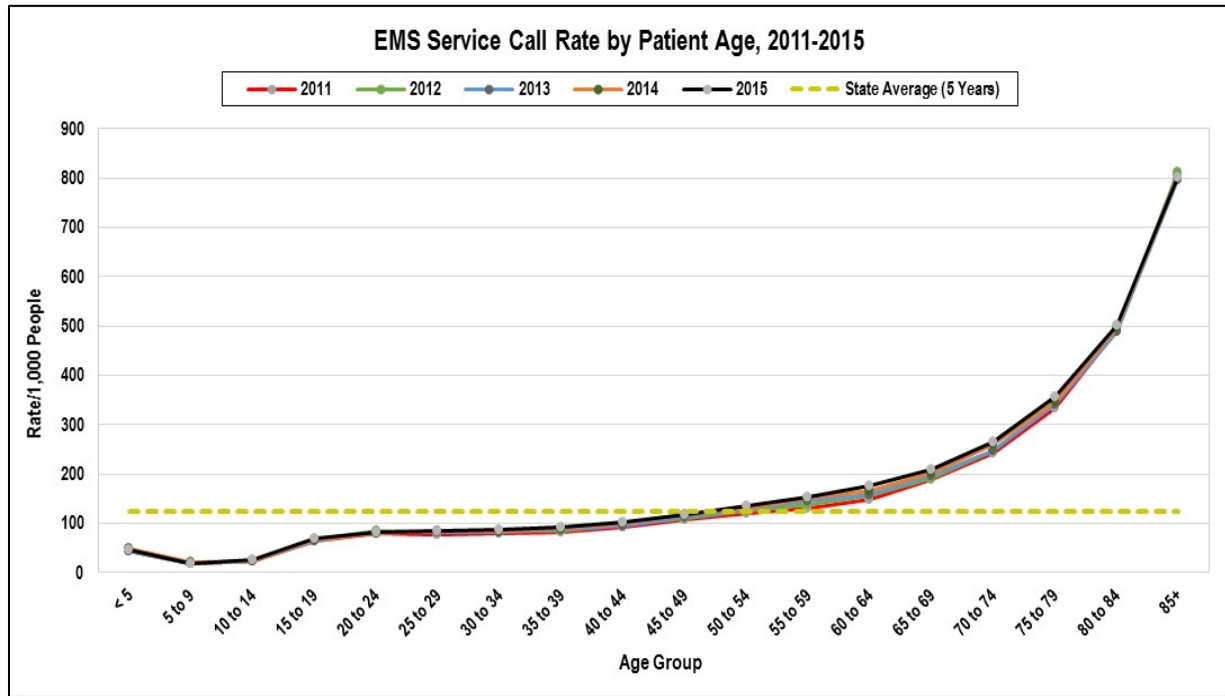


Figure 19: EMS service call rate by age, 2011-2015 (patient contact only).

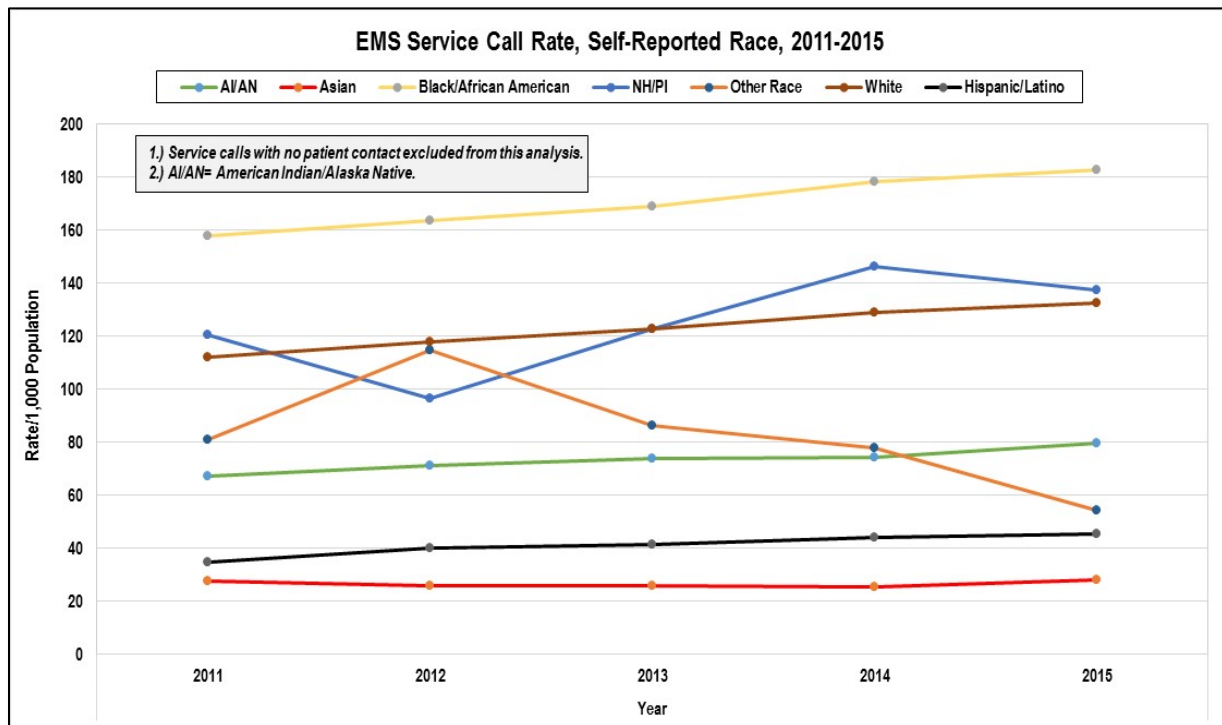


Figure 20: EMS service call rate (per 1,000 population) by self-reported race, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

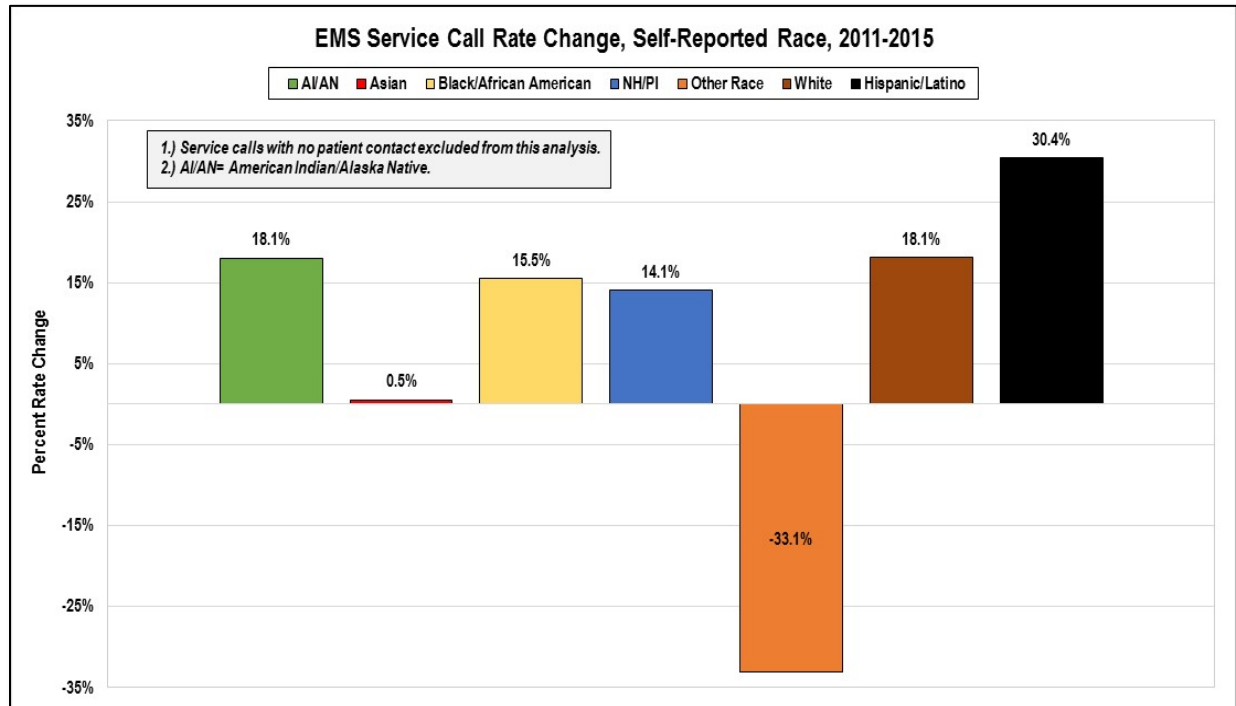


Figure 21: EMS service call rate change, self-reported race, 2011-2015.

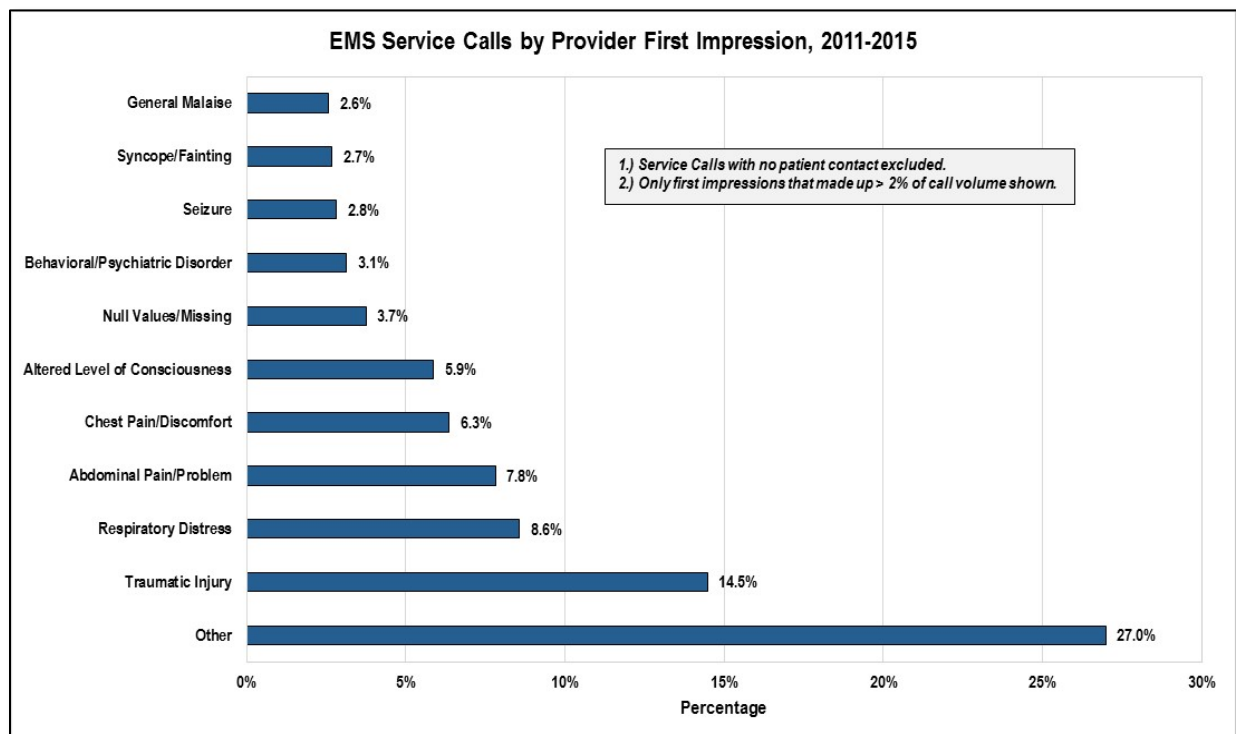


Figure 22: EMS service calls by provider first impression, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

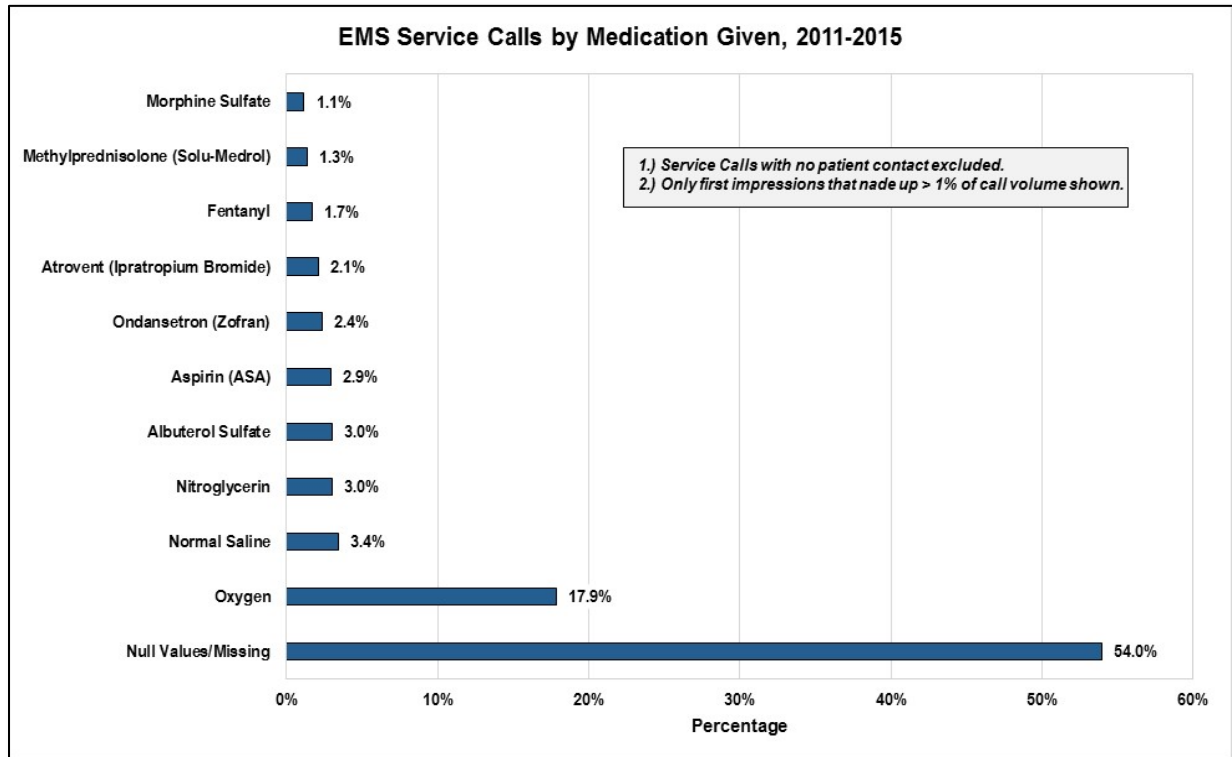


Figure 23: EMS service calls by medication given, 2011-2015.

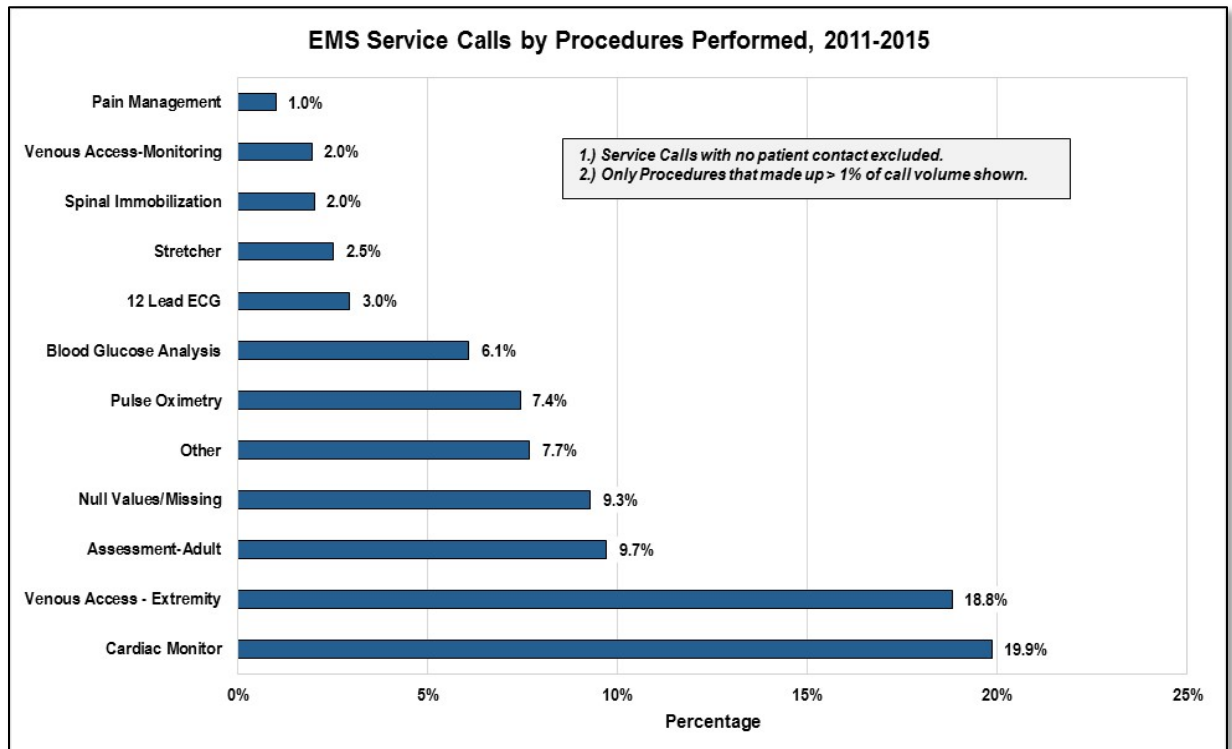


Figure 24: EMS service calls by procedures performed, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

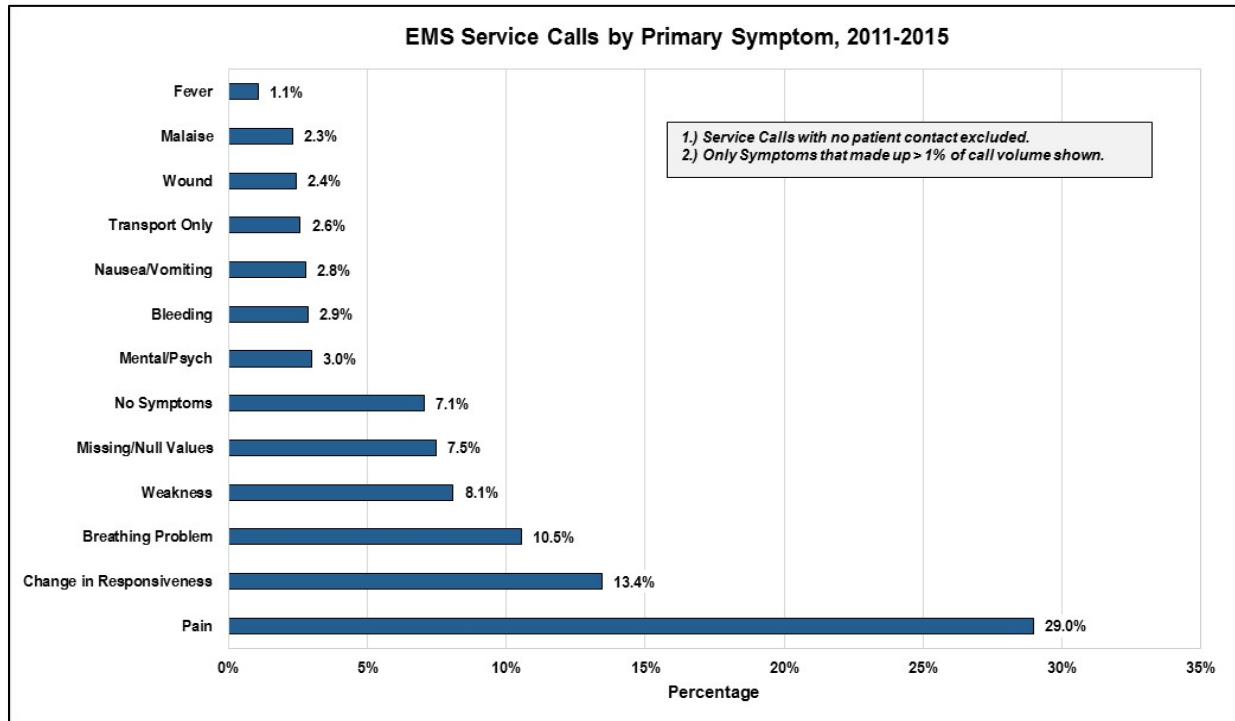


Figure 25: EMS service calls by Primary Symptom, 2011-2015.

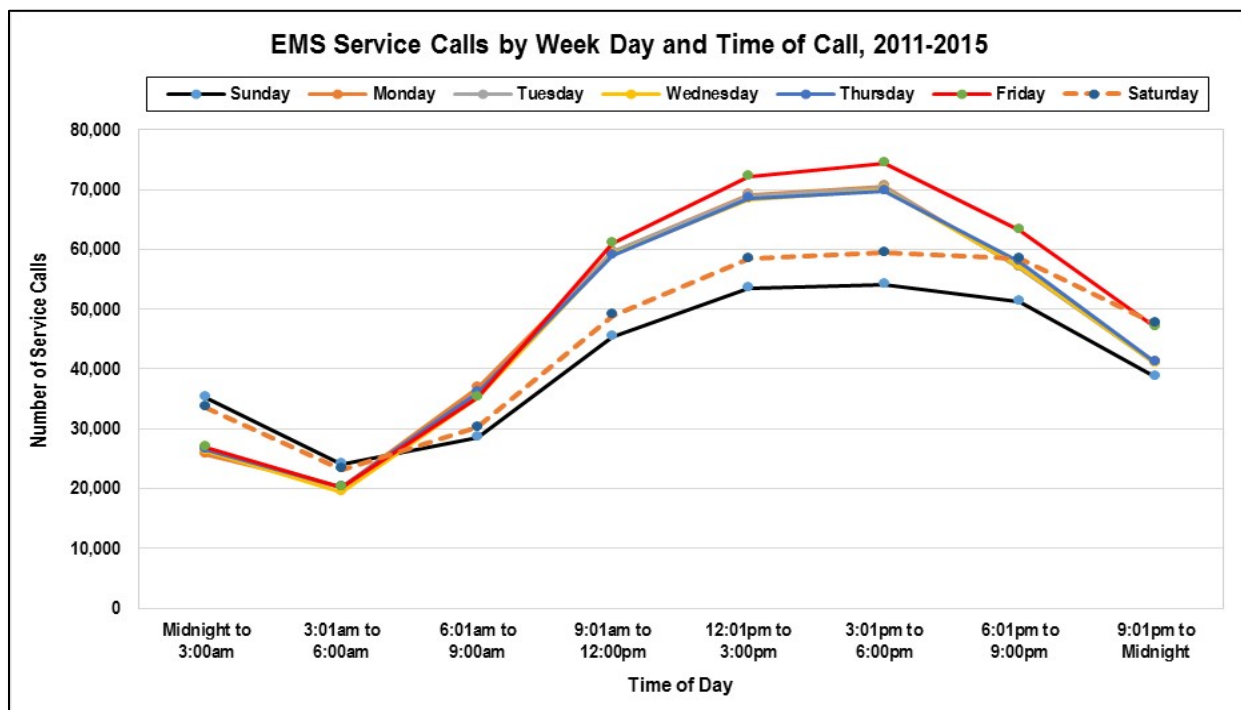


Figure 26: EMS service calls by weekday and time of call, 2011-2015 (all call types).

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

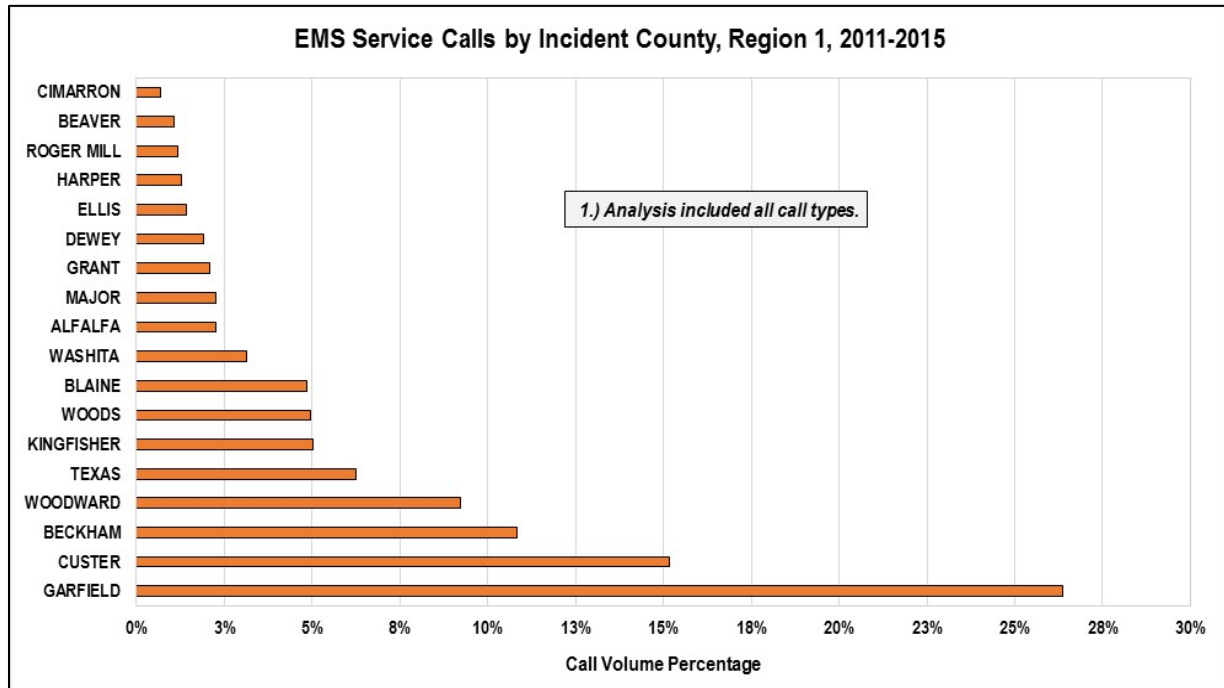


Figure 27: EMS service calls by incident county, Region1, 2011-2015.

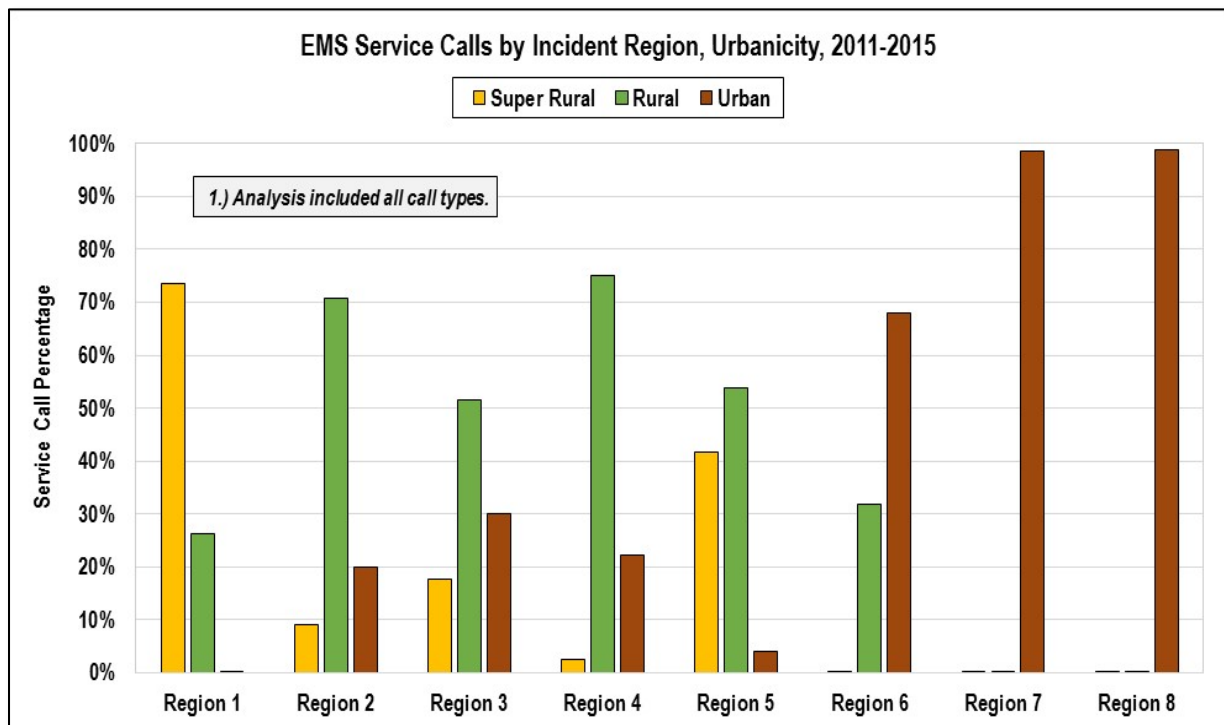


Figure 28: EMS service calls by incident region, urbanicity, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

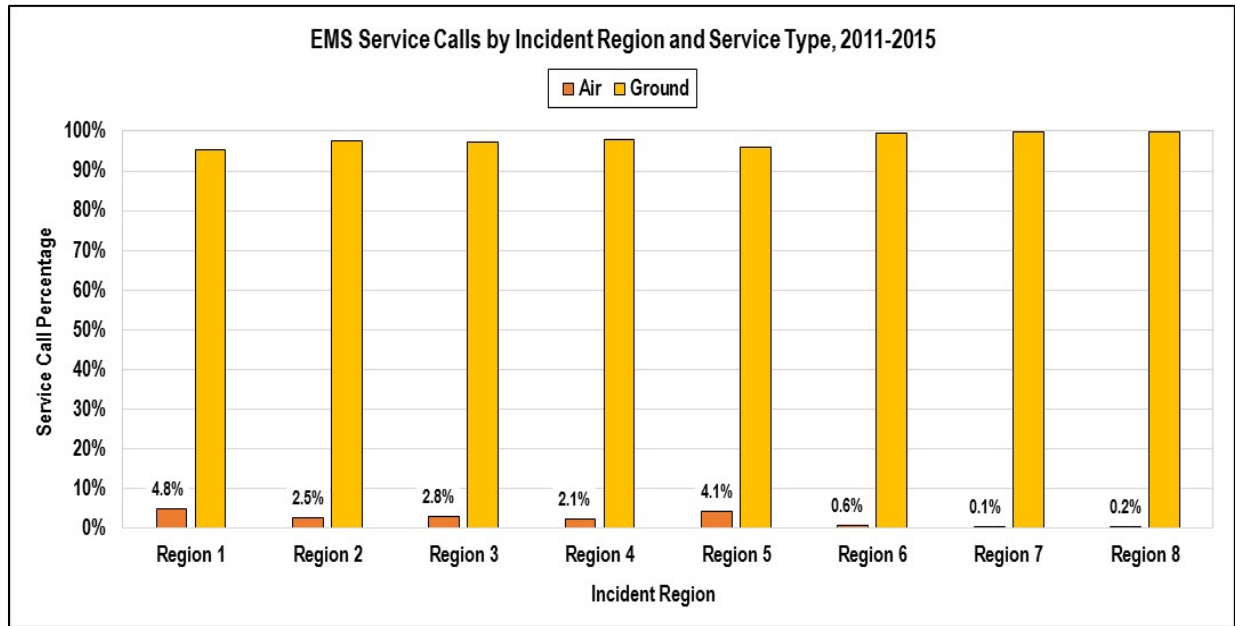


Figure 29: EMS service calls by Incident region and service type, 2011-2015 (all call types).

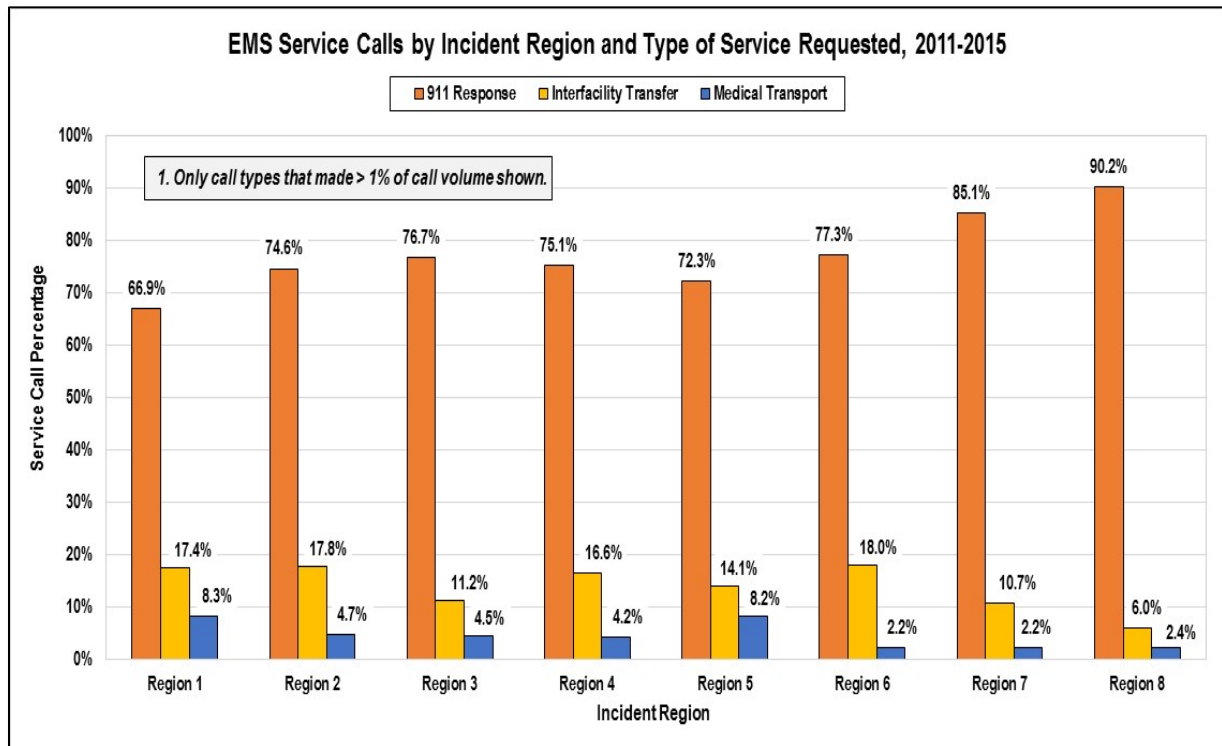


Figure 30: EMS service calls by incident region and call type, 2011-2015 (selected call types only).

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

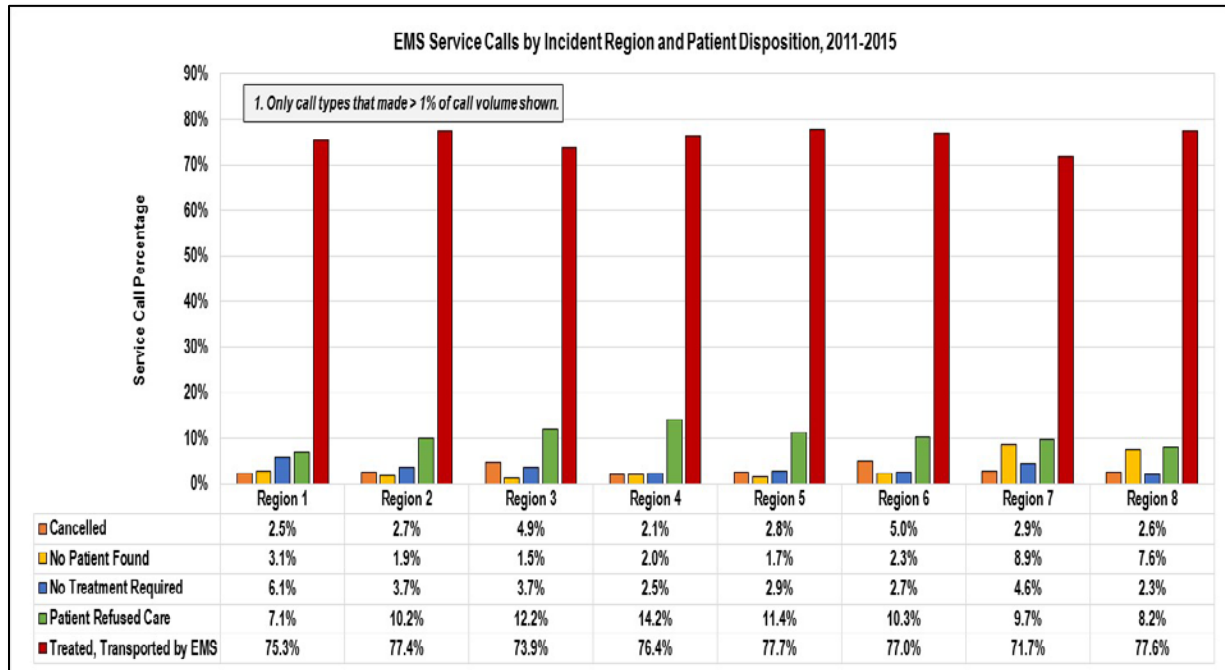


Figure 31: EMS service calls by incident region and patient disposition, 2011-2015.

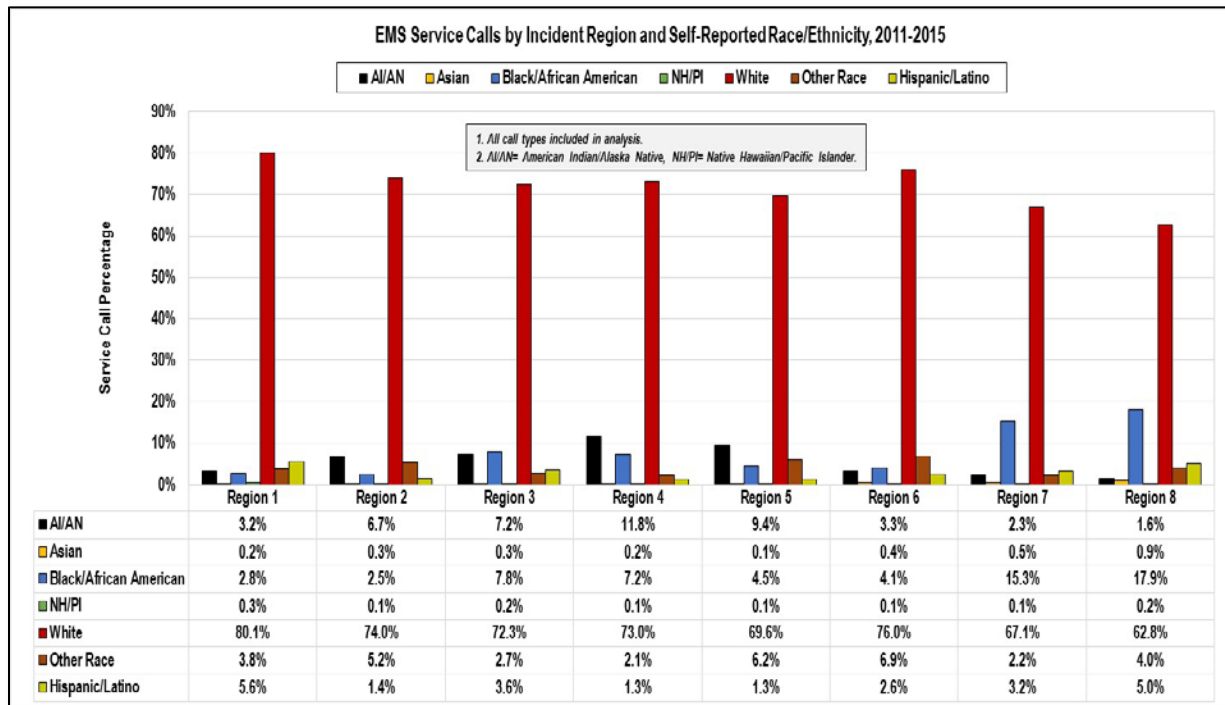


Figure 32: EMS service calls by self-reported race/ethnicity, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

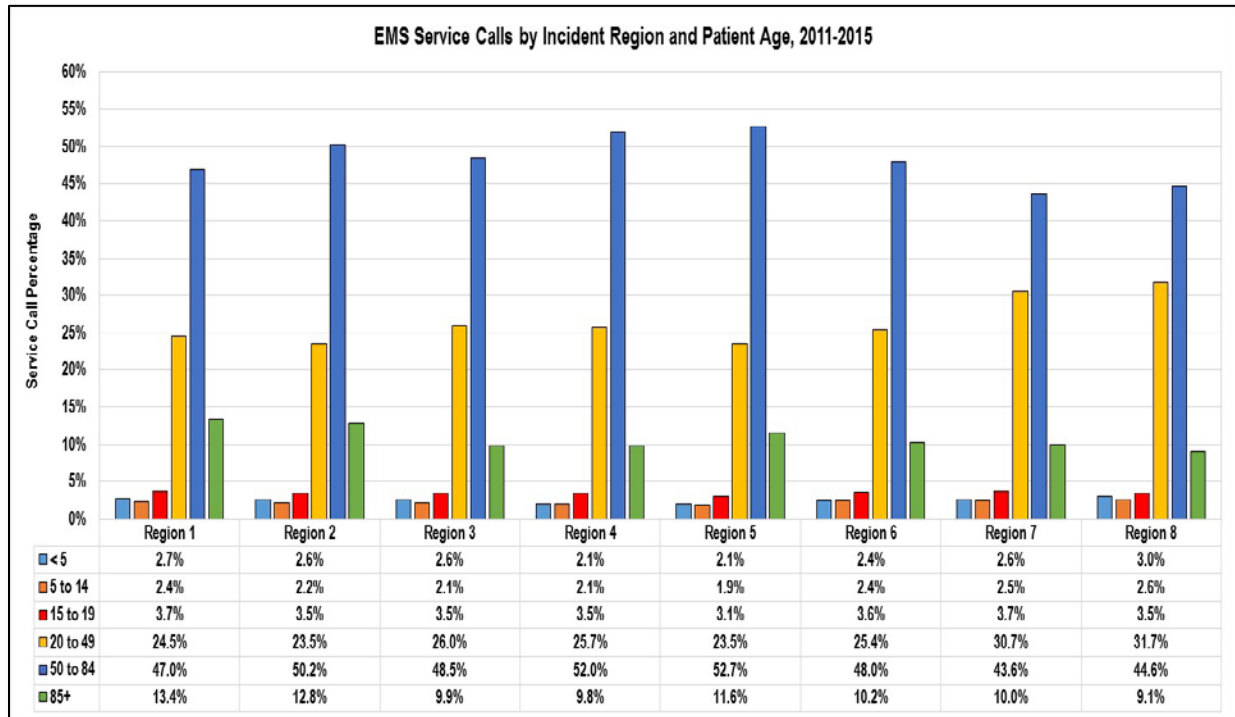


Figure 33: EMS service calls by incident region and patient age, 2011-2015 (patient contact only).

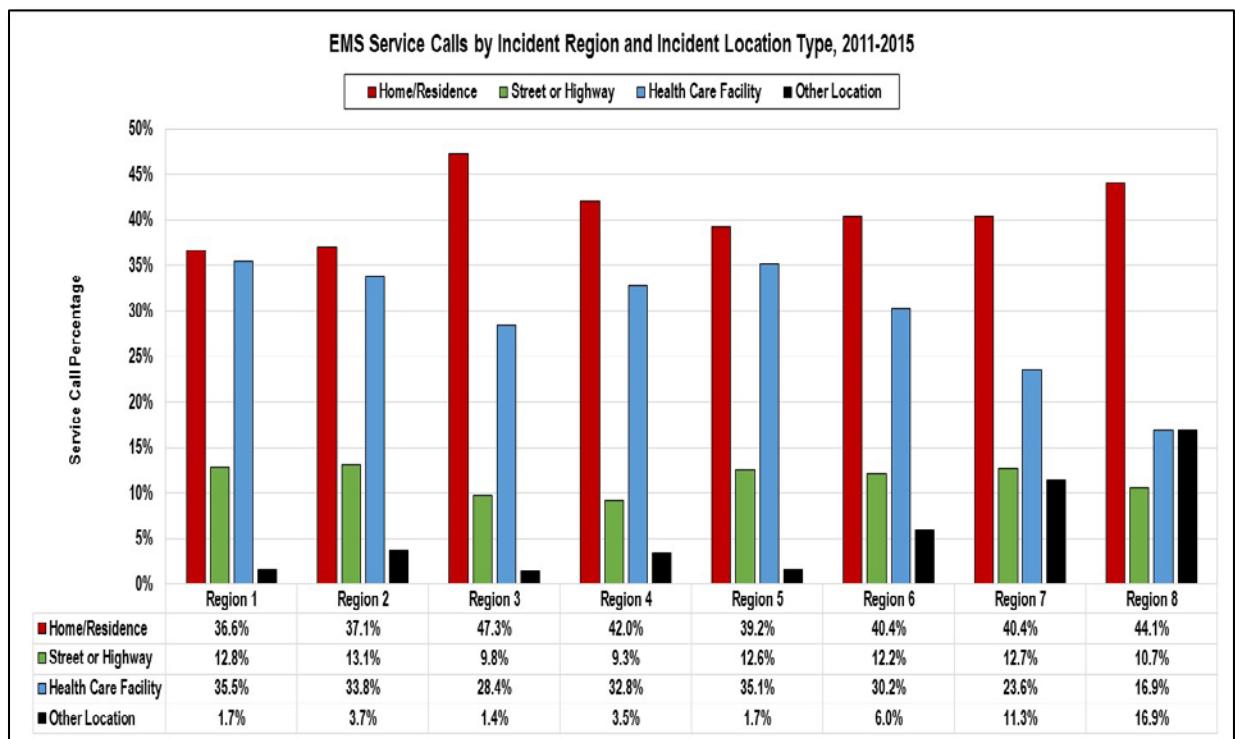


Figure 34: EMS service calls by incident region and incident location type, 2011-2015 (only specific location types shown).

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

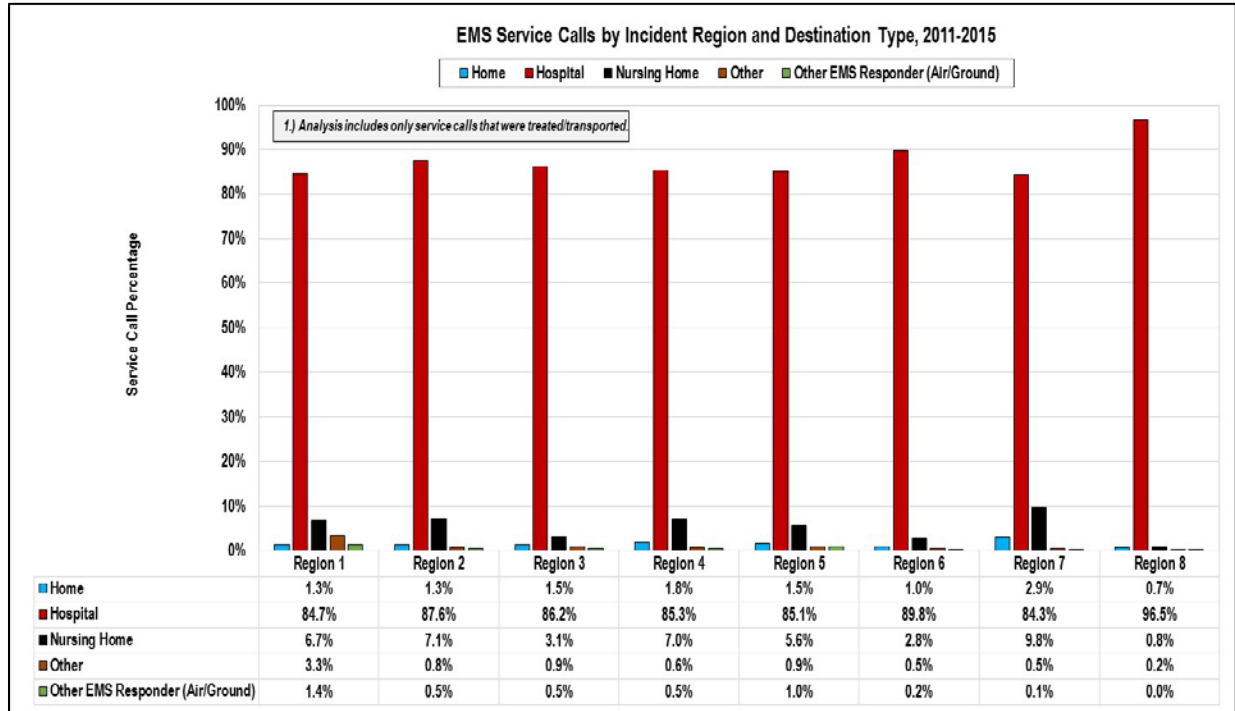


Figure 35: EMS service calls by incident region and destination type, 2011-2015.

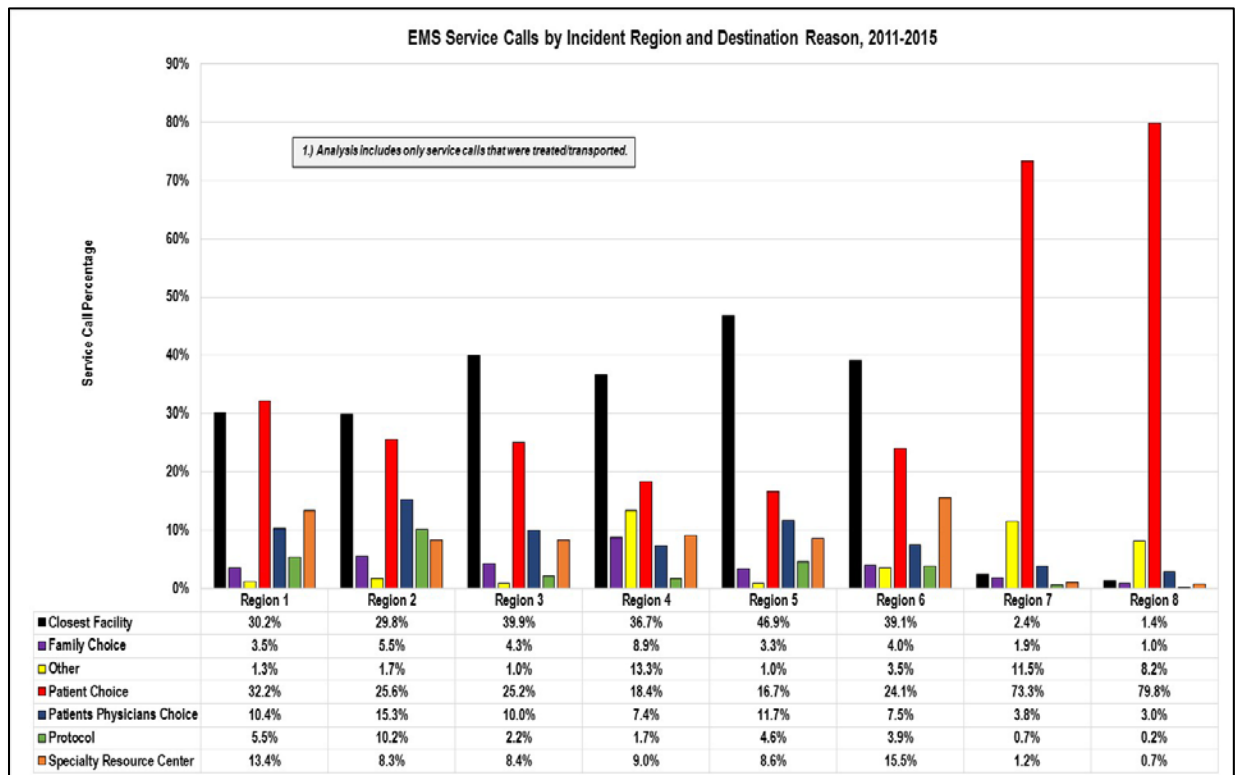


Figure 36: EMS service calls by incident region and destination reason, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

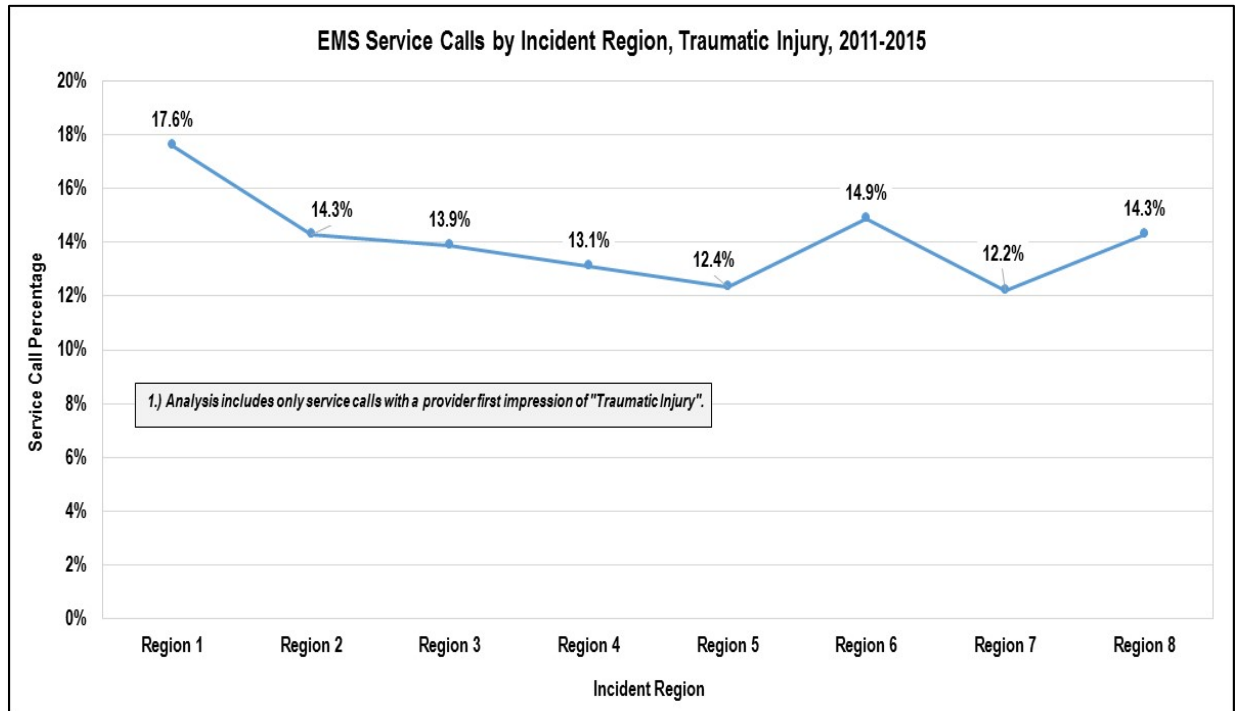


Figure 37: EMS service calls by incident region, traumatic injury, 2011-2015.

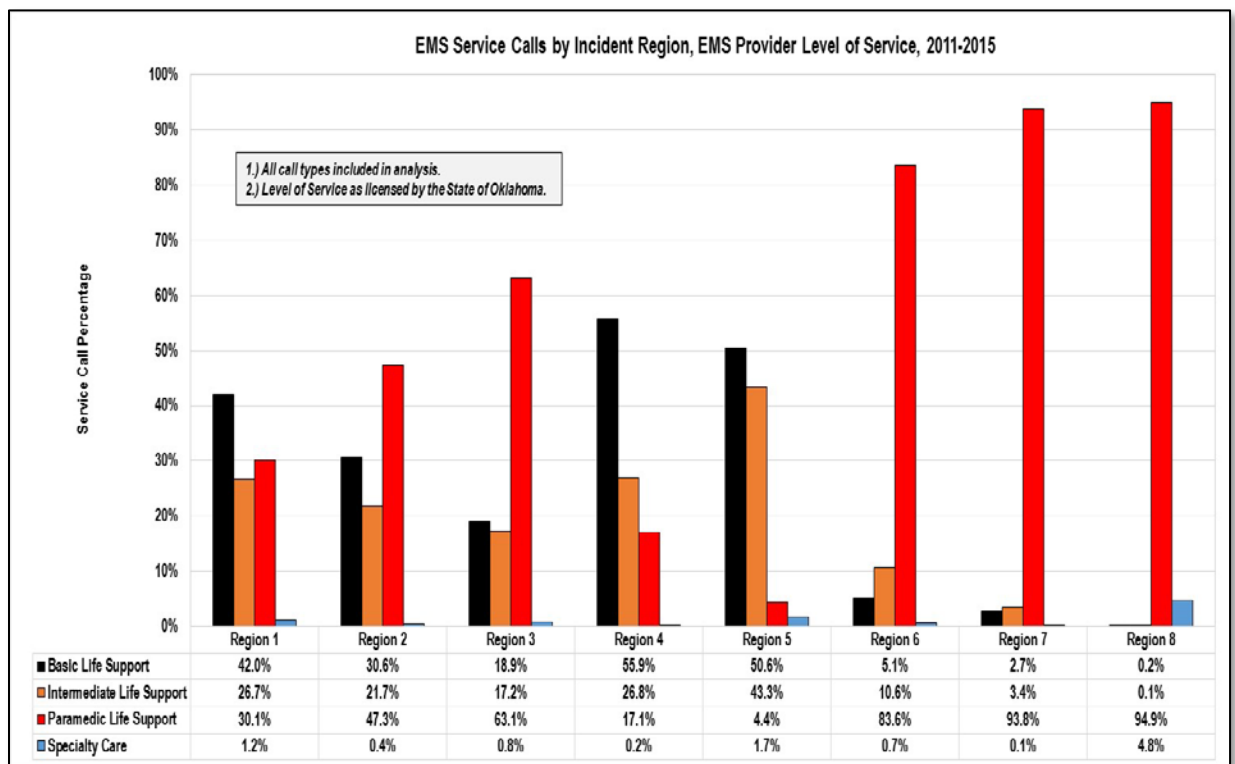


Figure 38: EMS service calls by incident region, EMS provider level of service, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

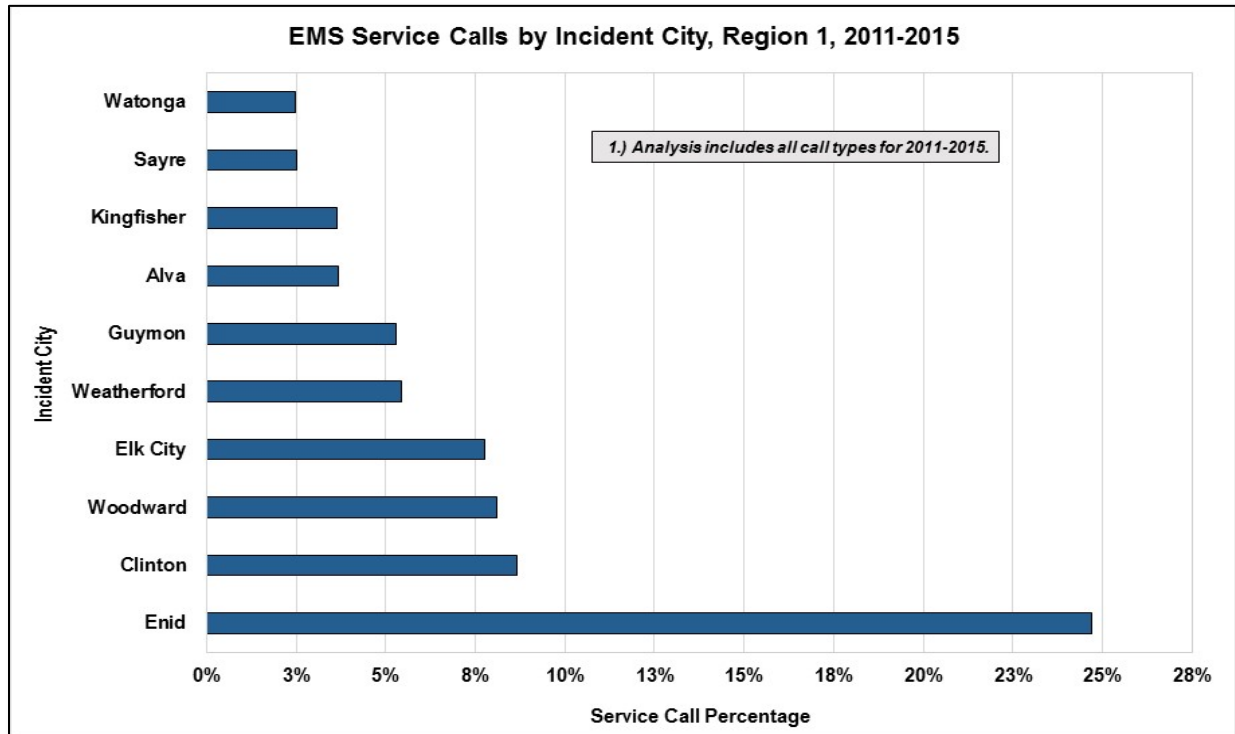


Figure 39: EMS service calls by incident city, Region 1, 2011-2015.

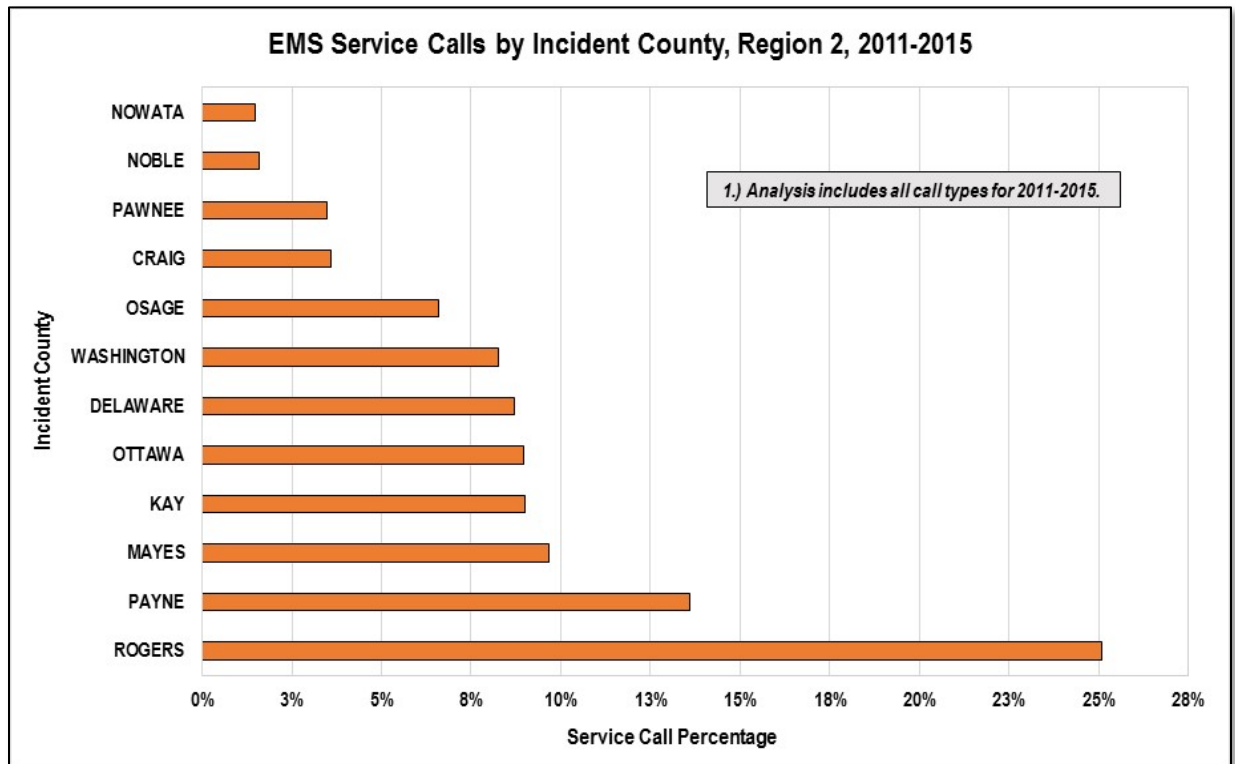


Figure 40: EMS service calls by incident region, Region 2, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

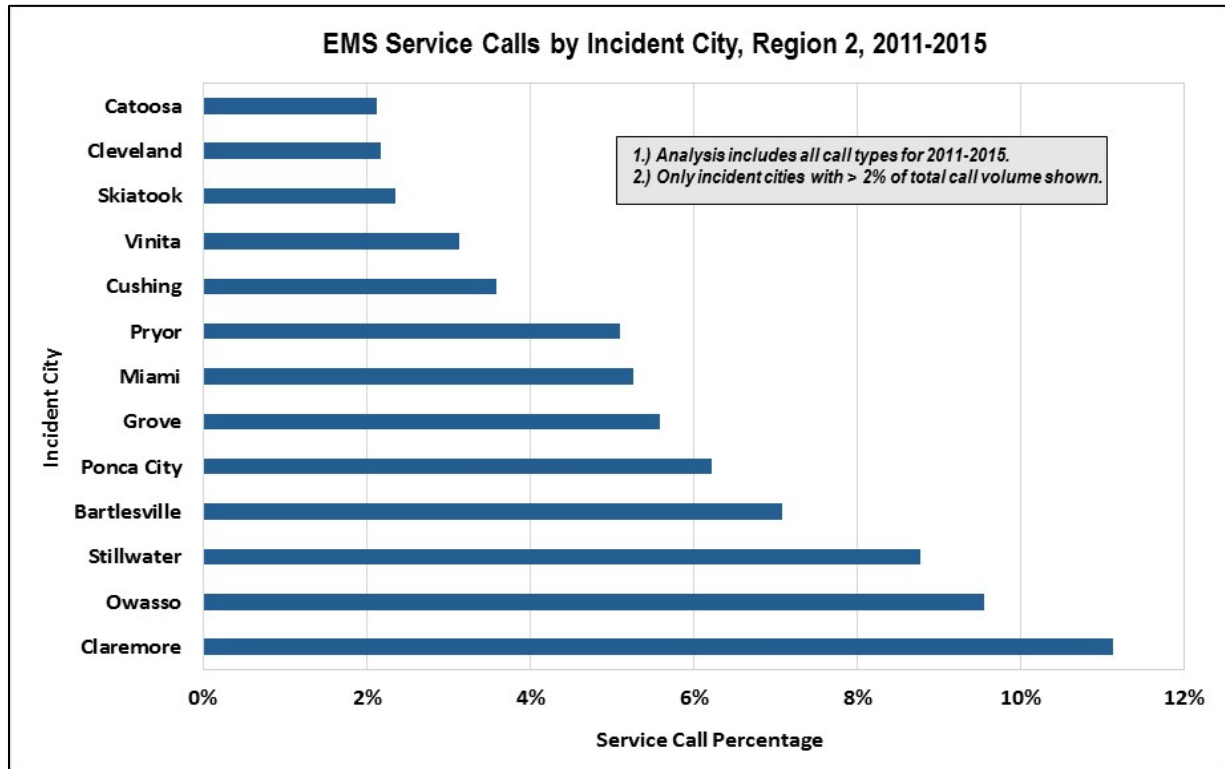


Figure 41: EMS service calls by incident city, Region 2, 2011-2015.

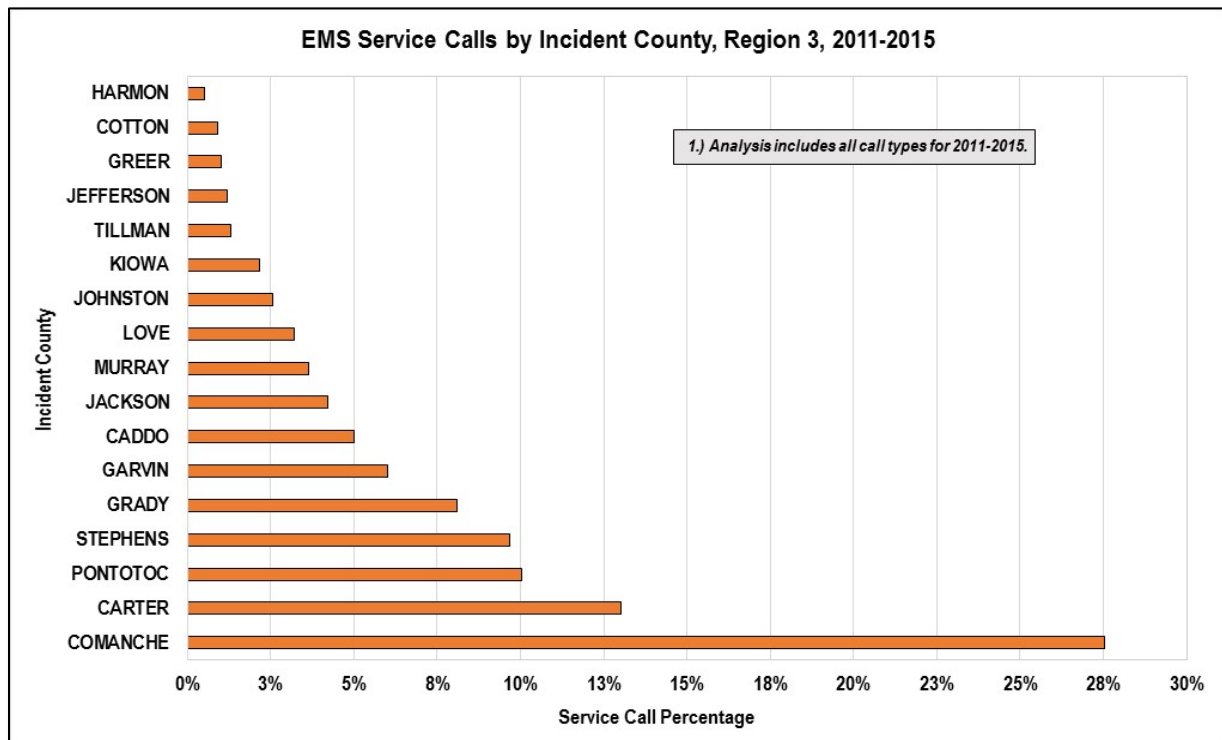


Figure 42: EMS service calls by incident county, Region 3, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

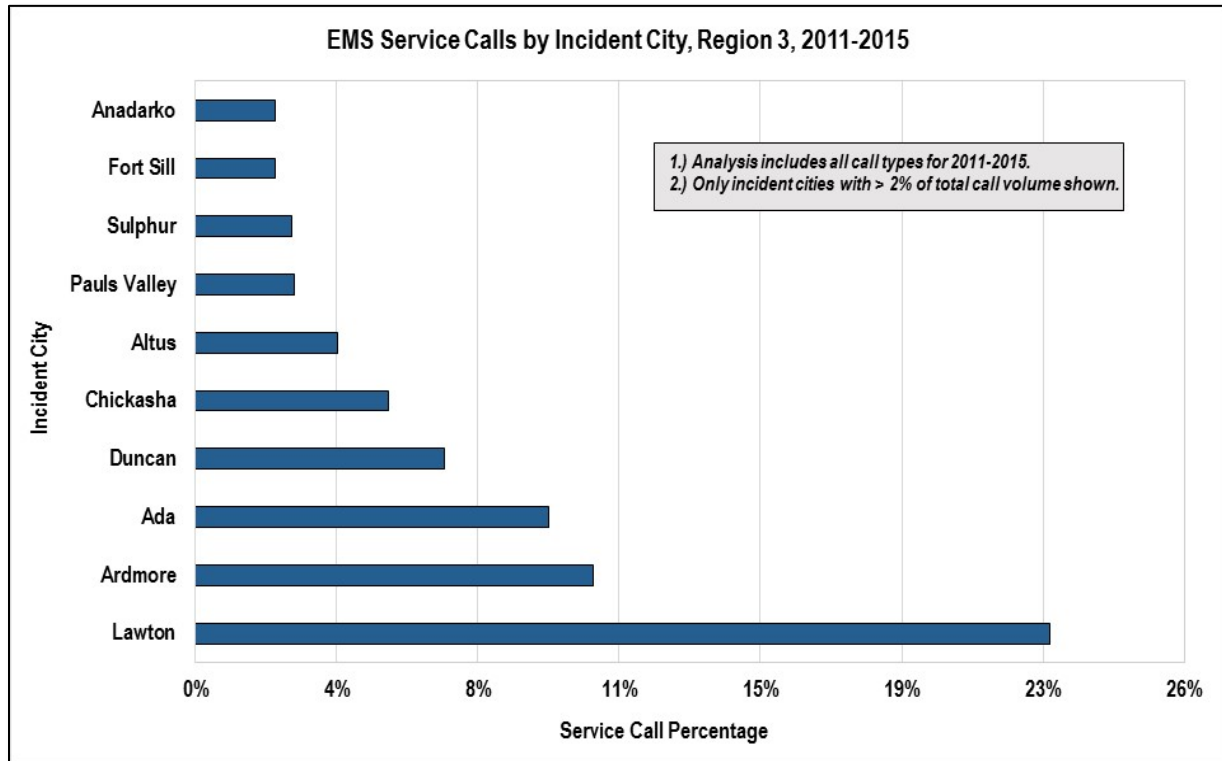


Figure 43: EMS service calls by incident city, Region 3, 2011-2015.

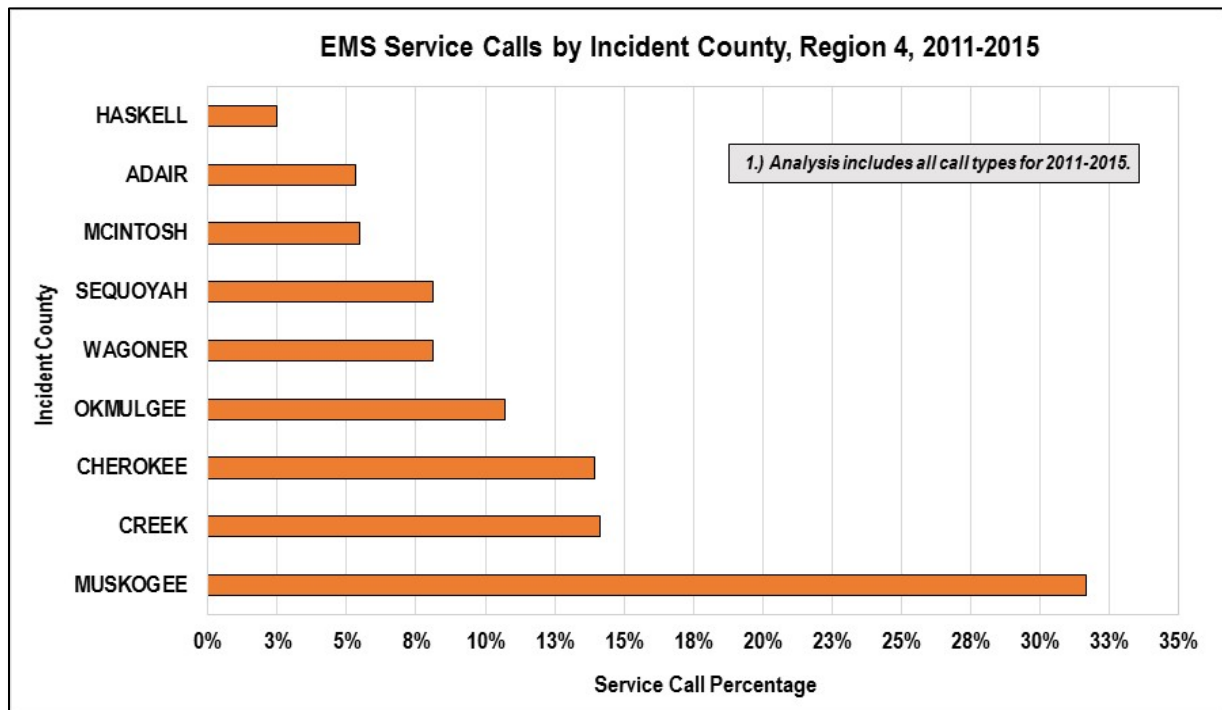


Figure 44: EMS service calls by incident county, Region 4, 2011-2015.

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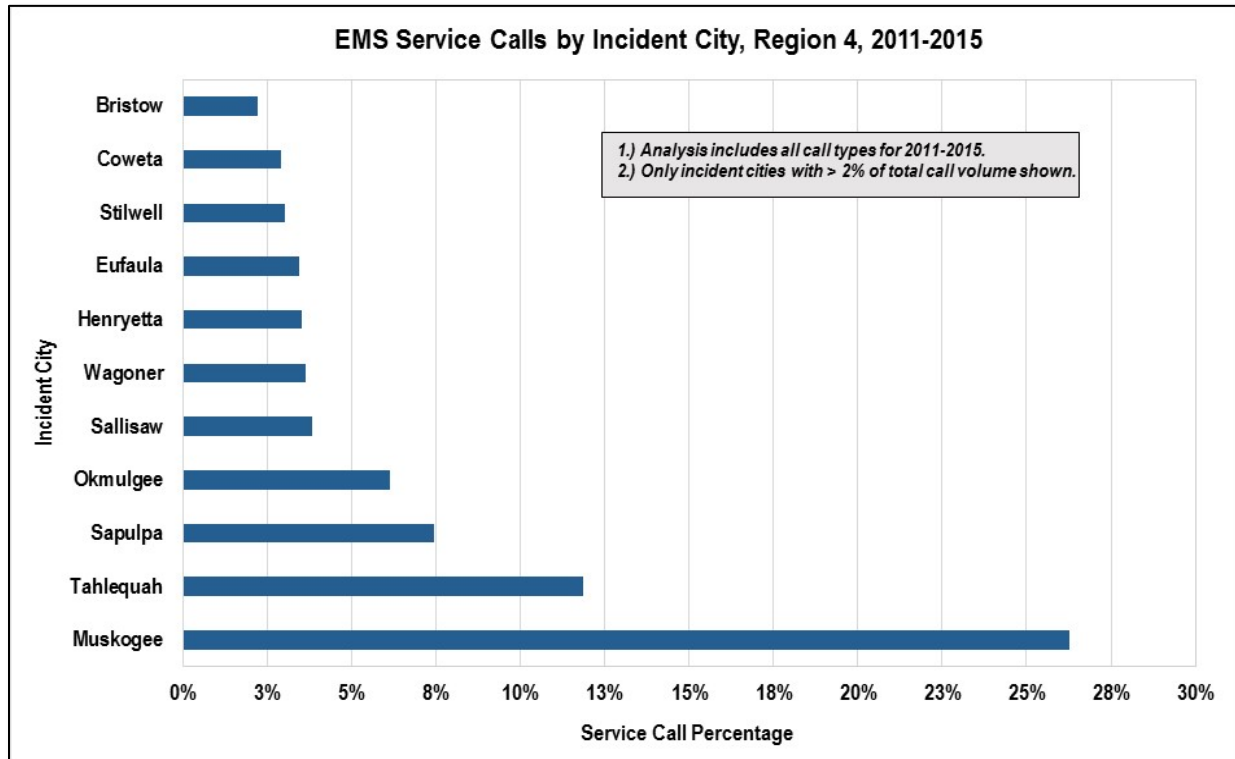


Figure 45: EMS service calls by incident city, Region 4, 2011-2015.

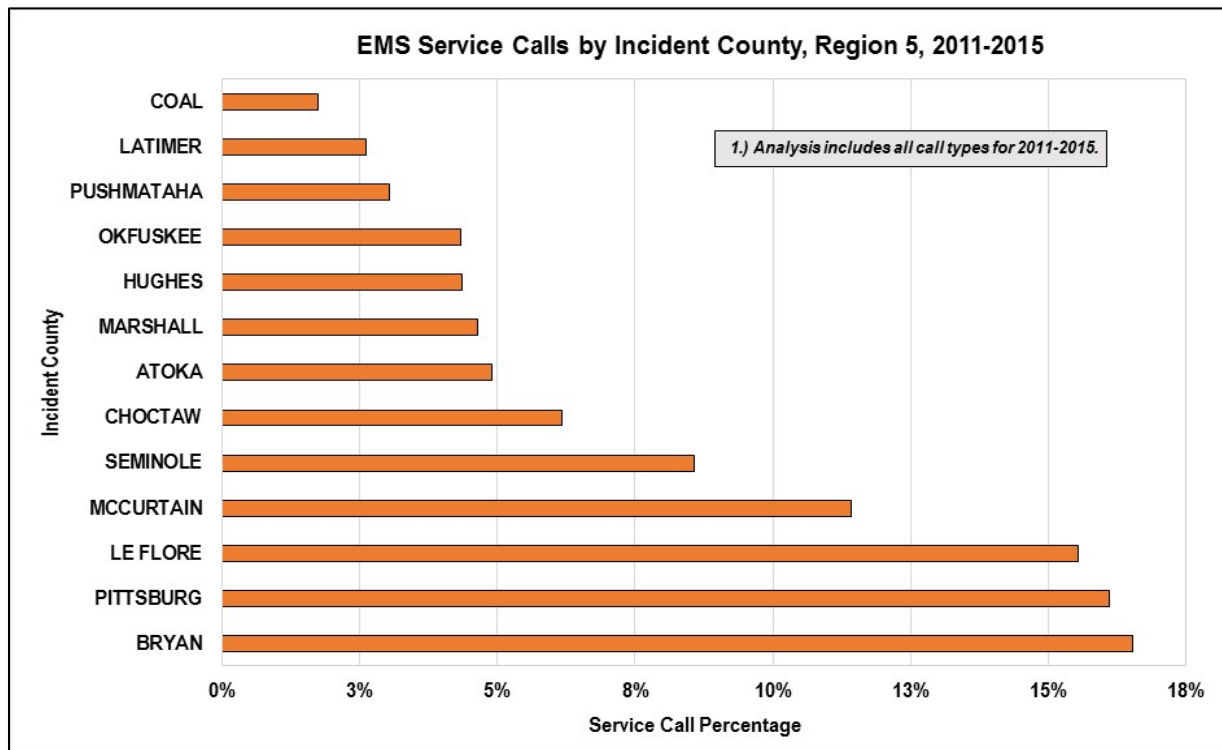


Figure 46: EMS service calls by incident county, Region 5, 2011-2015.

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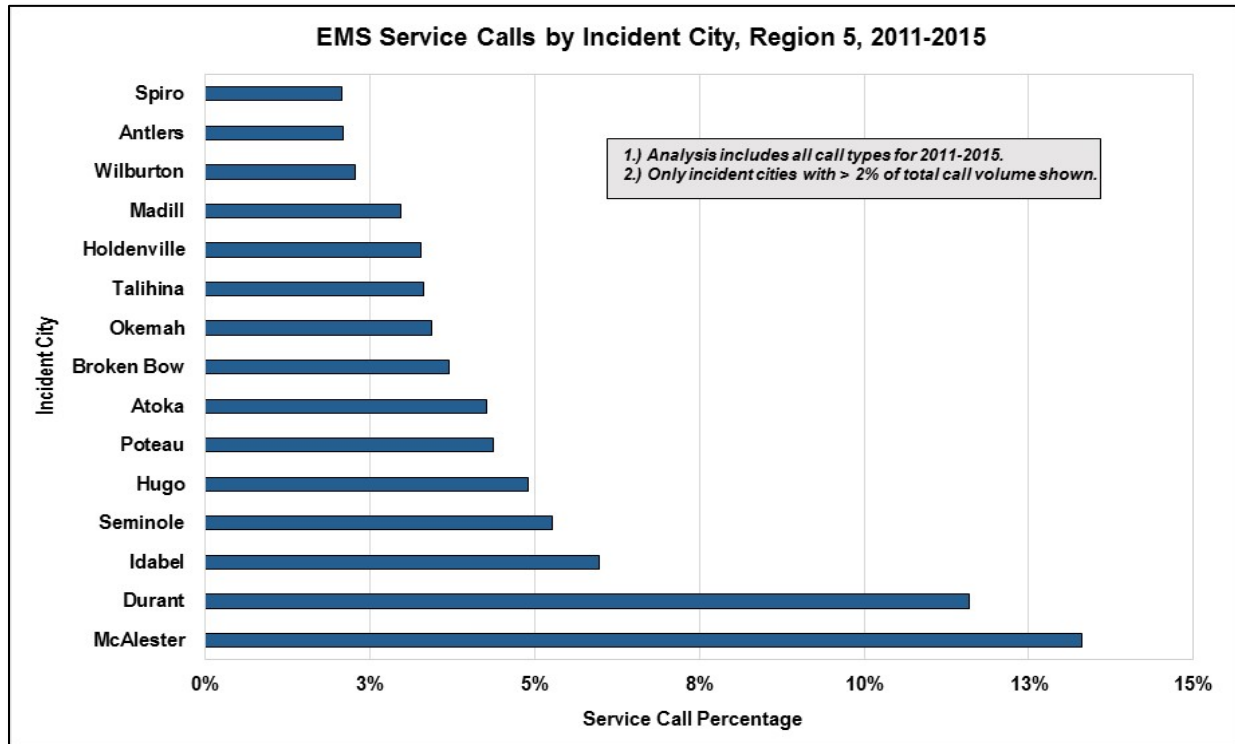


Figure 47: EMS service calls by incident city, Region 5, 2011-2015.

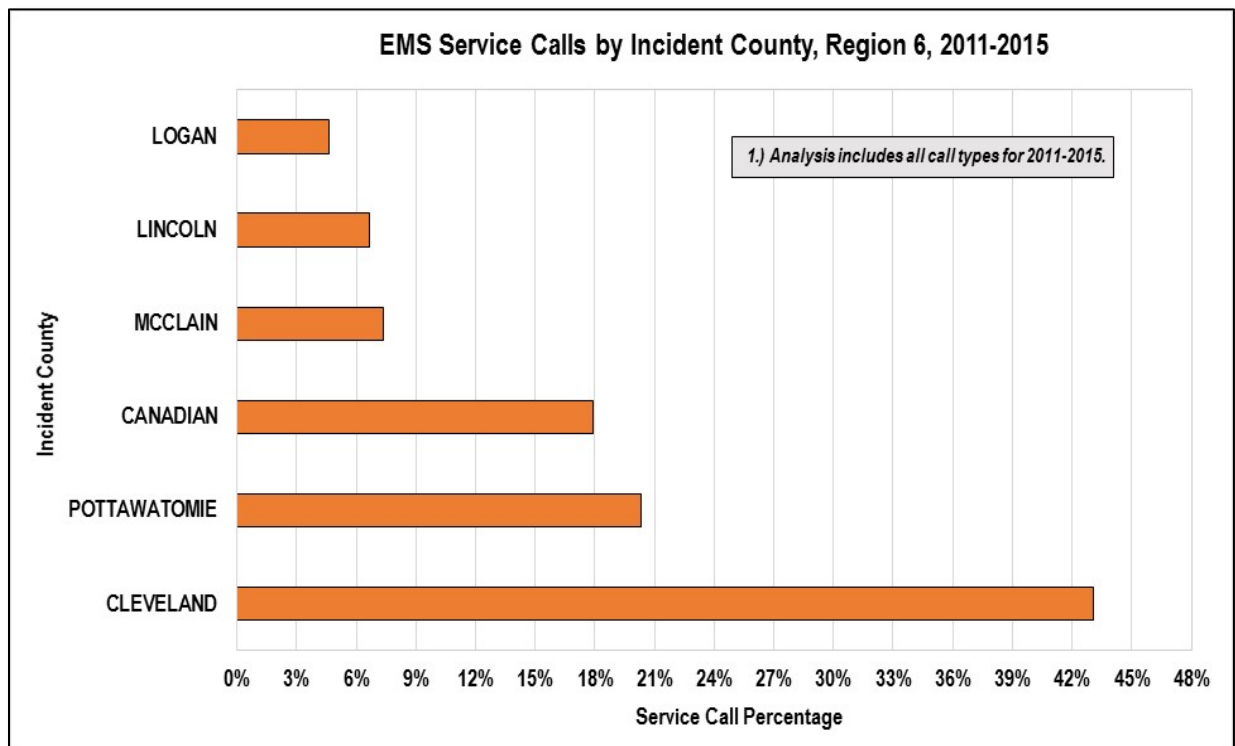


Figure 48: EMS service calls by incident county, Region 6, 2011-2015.

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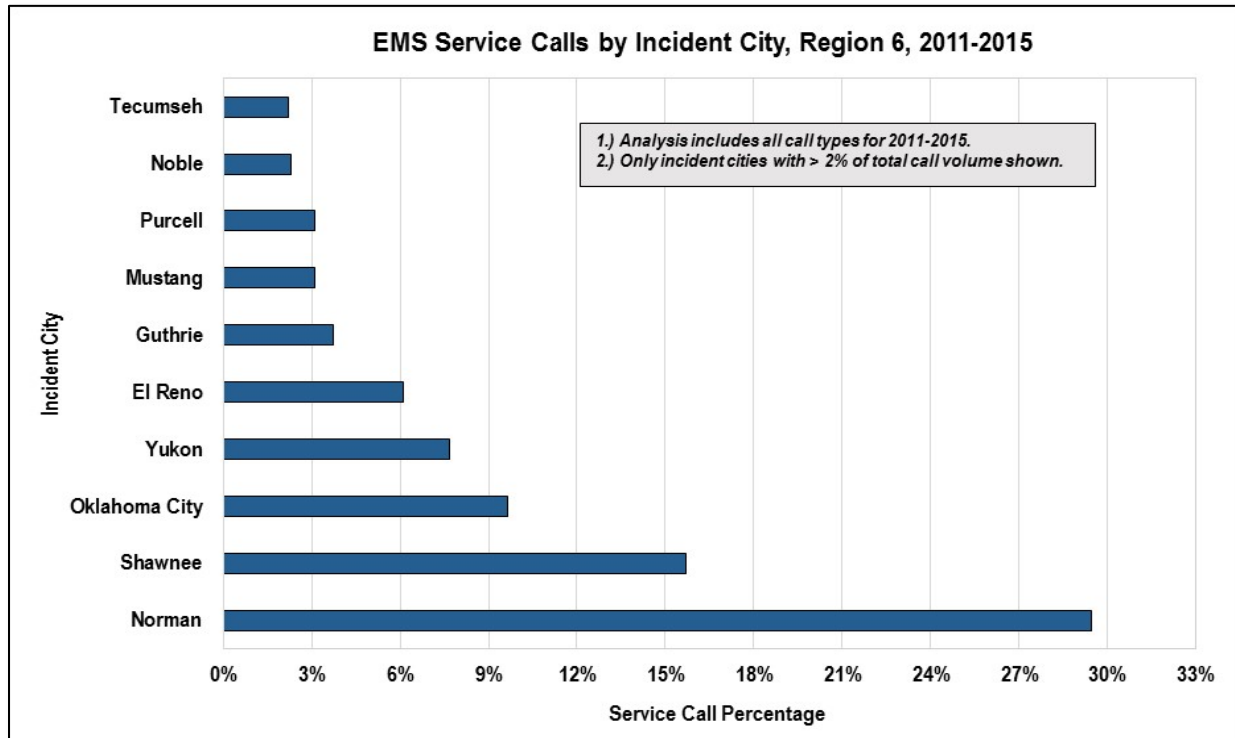


Figure 49: EMS service calls by incident city, Region 6, 2011-2015.

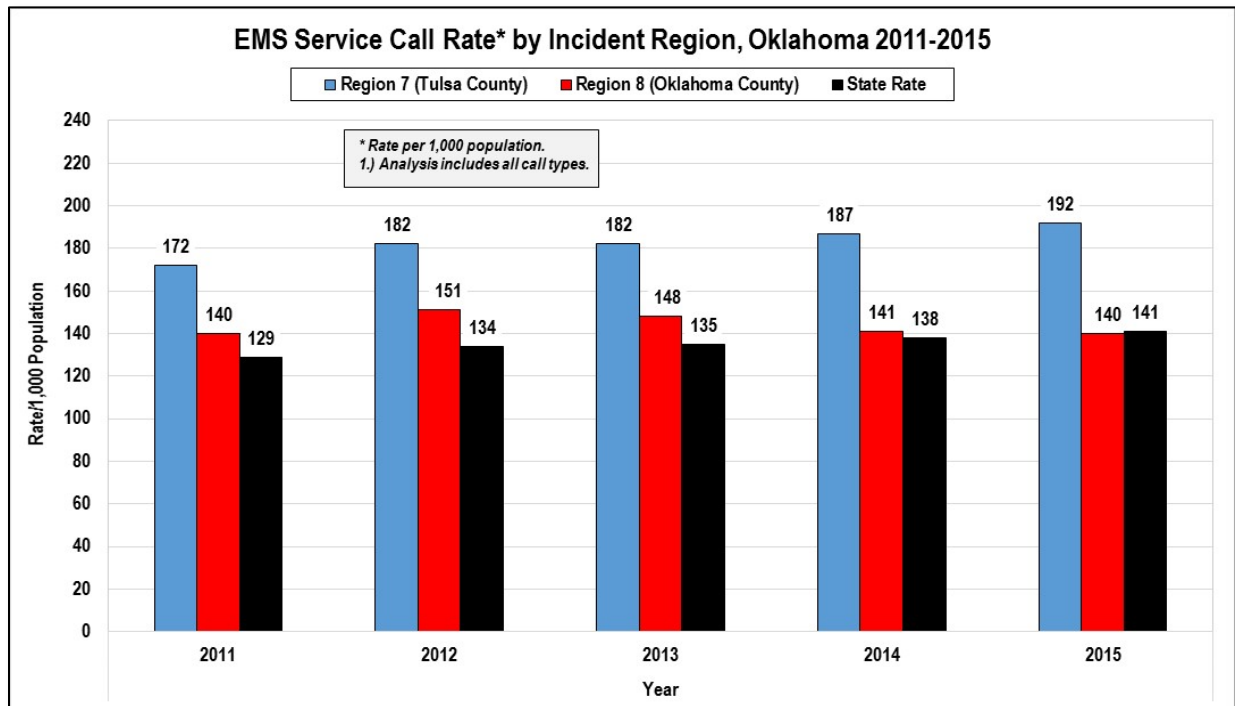


Figure 50: EMS service call rate by incident region, Oklahoma 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

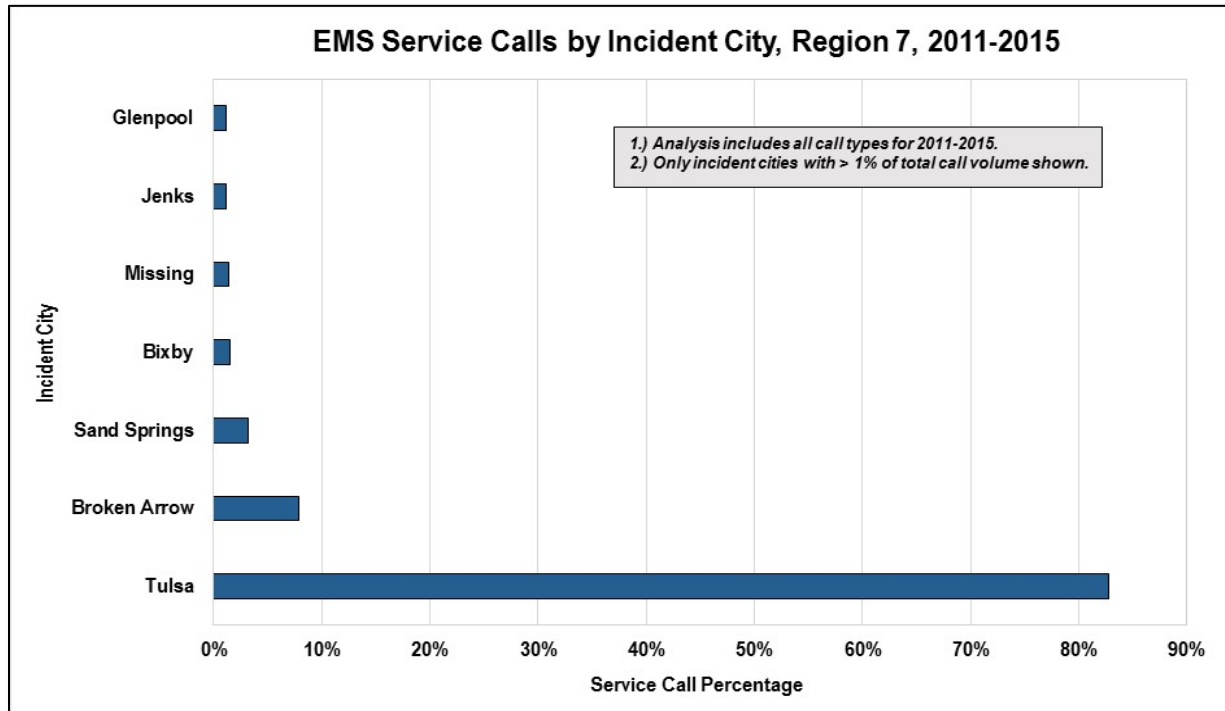


Figure 51: EMS service calls by incident city, Region 7, 2011-2015.

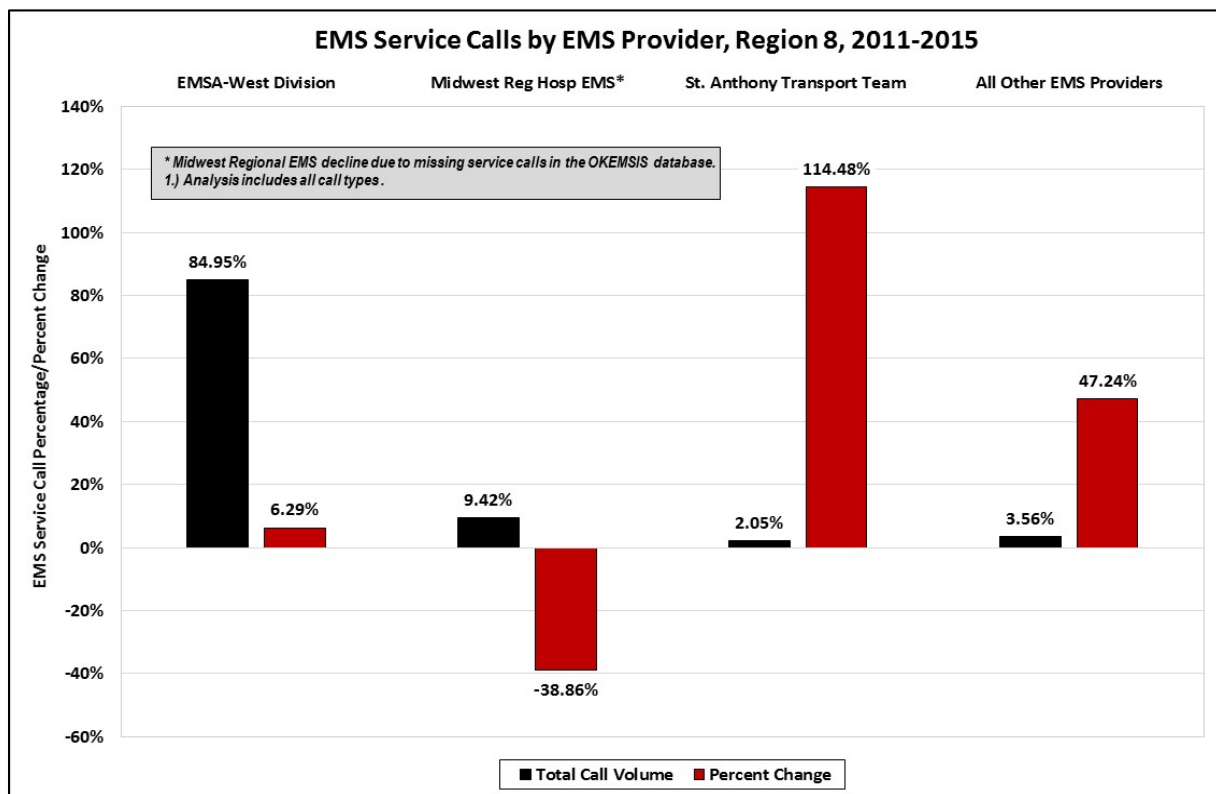


Figure 52: EMS Service Calls by EMS provider, Region 8, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

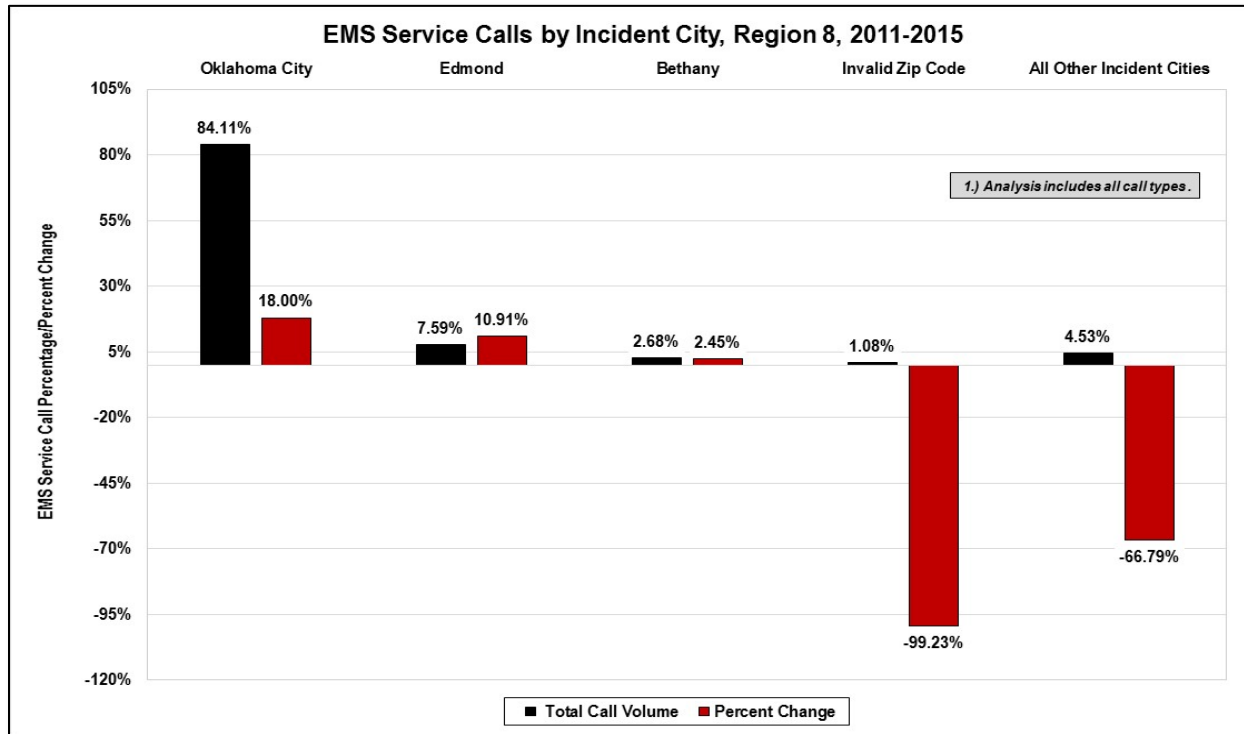


Figure 53: EMS service calls by incident city, region 8, 2011-2015.

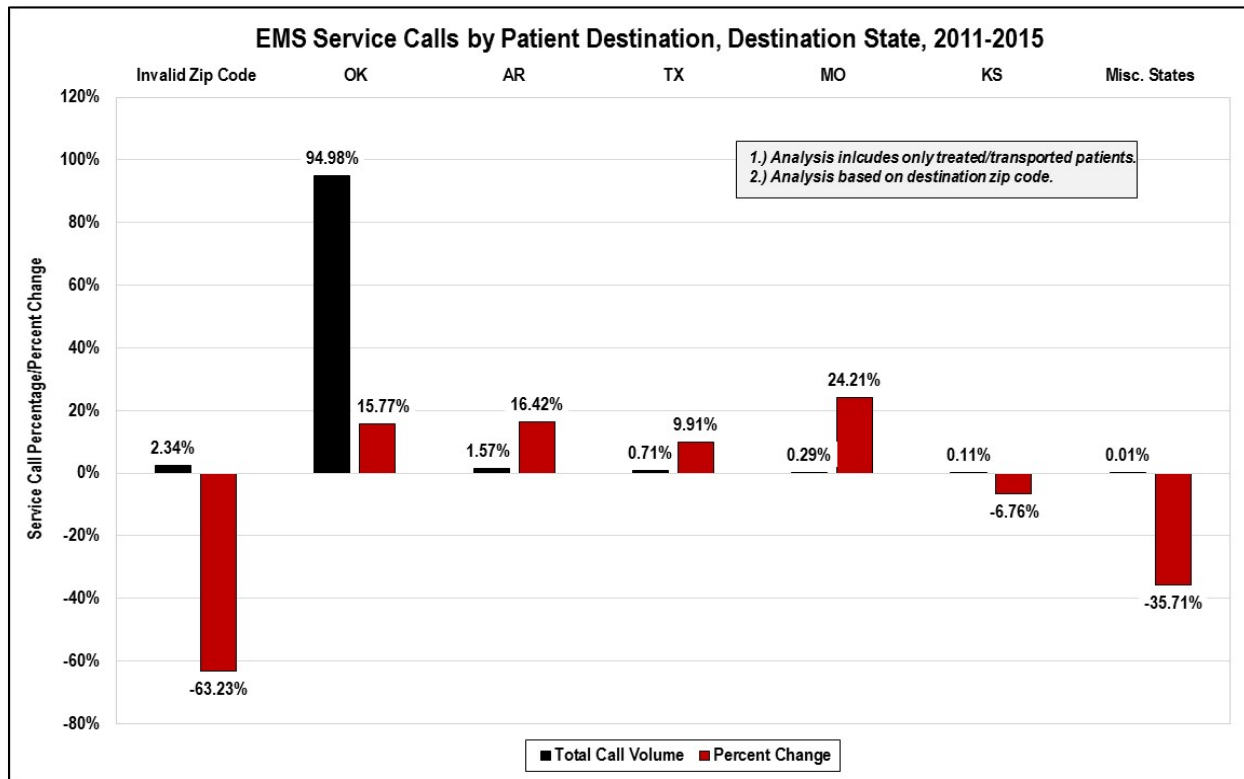


Figure 54: EMS service calls by patient destination, destination state, 2011-2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

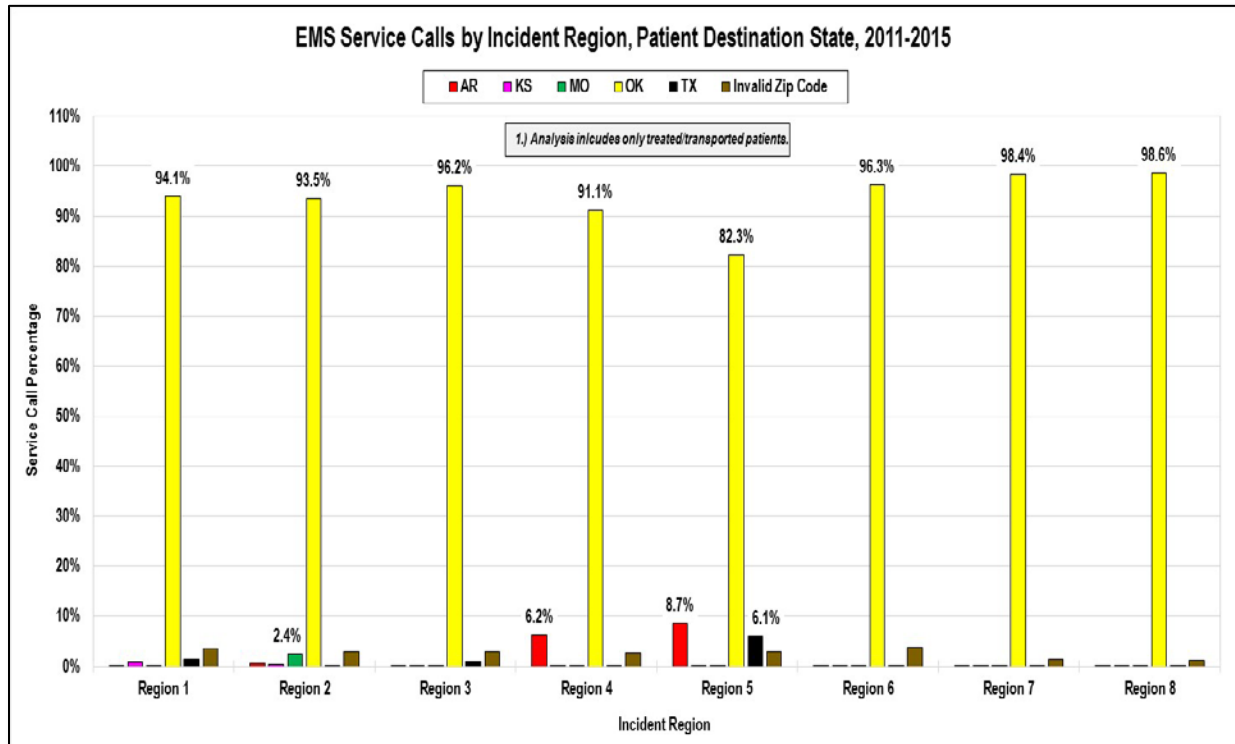


Figure 55: EMS service calls by incident region, patient destination, 2011-2015.

Tables and Maps

Table 1: Oklahoma Population by Region, 2011-2015

Region	# of Counties	2015 Population	Average Population change, 2011-2015 (%)	Minimum Pop Change (County, %)	Maximum Pop Change (County, %)	% of Counties with population decrease
Region 1	18	248,231	1.88	-11.4	7	22.2%
Region 2	12	484,085	0.11	-2	3.4	66.7%
Region 3	17	465,469	-0.88	-5.9	4.7	64.7%
Region 4	9	400,854	-0.36	-2.1	3.6	55.6%
Region 5	13	295,976	-1.25	-5.4	4.3	76.9%
Region 6	6	598,292	5.88	1.9	11.6	0.0%
Region 7	1	635,558	4.9	4.9	4.9	0.0%
Region 8	1	775,949	6.3	6.3	6.3	0.0%
Totals	77	3,904,414	3.2	-11.4	11.6	49.4%

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Table 2: Type of Service Requested and Response Mode to Scene, Oklahoma 2011-2015

Type of Service Requested ²	Missing/Null Values	Initial Lights/Sirens, Downgraded	No Initial Lights/Sirens, Upgraded	Lights and Sirens	No Lights or Sirens	Totals
911 Response	0.0%	1.7%	0.3%	77.9%	20.1%	100.0%
Inter-facility Transfer	0.1%	0.1%	0.2%	9.5%	90.2%	100.0%
Medical Transport	0.0%	1.9%	0.4%	16.6%	81.0%	100.0%
Missing	10.8%	0.4%	0.1%	10.7%	78.1%	100.0%
Standby	0.1%	0.5%	0.2%	41.1%	58.1%	100.0%
Intercept	0.1%	0.3%	0.2%	73.7%	25.7%	100.0%
Mutual Aid	0.1%	1.0%	0.2%	74.8%	24.0%	100.0%
Invalid Code	1.5%	1.5%	0.0%	75.1%	21.9%	100.0%
Flag Down/Walk-in Emergent ¹	0.0%	0.0%	0.0%	65.7%	34.3%	100.0%

¹Only 105 EMS service calls in this category between 2011 and 2015.

²Analysis includes all Call types.

Table 3: EMS Service Call Average Run Times by Service Type, Oklahoma 2011-2015

Service Type	Year	EnRoute* ¹	Response ¹	Scene ¹	Transport ^{1,2}	Total ^{1,2}
Air	2011	11.9	34.1	32.0	35.4	96.0
	2012	12.1	34.9	30.4	35.9	95.7
	2013	12.1	34.2	32.9	36.3	97.5
	2014	12.5	34.1	34.1	36.1	98.2
	2015	12.7	34.5	34.5	35.9	97.8
Ground	2011	1.4	7.8	19.3	19.8	44.9
	2012	1.5	8.0	19.5	19.9	45.7
	2013	1.2	8.3	20.1	20.5	47.2
	2014	1.1	9.1	20.4	20.8	48.5
	2015	1.1	9.3	20.4	21.1	48.8
Incident Region						
Region 1	Air	12.9	40.3	38.5	46.0	117.2
Region 2		11.4	29.3	27.6	26.9	81.2
Region 3		12.6	34.5	34.8	37.1	99.7
Region 4		10.3	28.2	25.9	26.2	78.2
Region 5		12.7	38.9	32.4	44.6	109.3
Region 6		11.0	29.2	30.6	20.4	77.5
Region 7		14.8	43.6	44.1	44.9	105.8
Region 8		15.6	38.7	50.0	27.6	108.6

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

Region 1	Ground	2.0	7.9	17.2	23.2	42.0
Region 2		1.6	8.5	18.4	24.3	48.4
Region 3		1.4	8.3	16.4	22.0	41.7
Region 4		1.7	9.3	19.5	25.3	51.3
Region 5		1.7	9.5	17.4	24.0	45.9
Region 6		1.0	9.0	17.7	18.3	43.6
Region 7		0.7	8.5	23.7	18.2	50.3
Region 8		0.5	7.9	22.2	16.6	46.7
Type of Service Requested						
911 Response	Air	10.6	28.8	19.1	30.1	76.0
Intercept		7.5	28.4	24.0	26.5	76.6
Inter-facility Transfer		13.5	37.5	37.5	39.1	107.1
Medical Transport		9.6	29.3	29.1	29.0	84.9
Mutual Aid		7.9	29.3	18.4	39.8	85.4
Standby		11.9	35.4	36.5	47.5	112.0
911 Response	Ground	1.1	8.0	19.7	17.0	43.8
Intercept		1.1	10.9	18.1	22.6	47.2
Inter-facility Transfer		1.9	12.1	21.3	34.5	62.6
Medical Transport		1.7	10.6	18.8	26.0	51.8
Mutual Aid		1.5	12.8	18.6	22.1	53.7
Standby		1.2	9.9	18.6	18.9	48.7
Patient Disposition ³						
Cancelled	Air	11.9	35.6	N/A	N/A	N/A
Dead at Scene		10.9	32.7	48.8	N/A	N/A
No Treatment Required		7.5	21.9	37.4	N/A	N/A
Patient Refused Care		12.3	29.8	42.5	N/A	N/A
Treated and Released		8.3	33.4	53.2	N/A	N/A
Treated, Transferred Care		11.7	31.5	34.8	33.8	91.1
Treated, Transported by EMS		12.3	34.4	32.6	35.9	97.0
Cancelled	Ground	1.1	8.4	N/A	N/A	N/A
Dead at Scene		1.2	8.4	22.8	N/A	N/A
No Patient Found		0.8	7.6	N/A	N/A	N/A
No Treatment Required		1.0	8.4	18.1	N/A	N/A
Patient Refused Care		1.1	7.8	18.5	N/A	N/A
Treated and Released		1.3	7.6	22.4	N/A	N/A
Treated, Transferred Care		1.6	11.5	22.9	25.3	54.4
Treated, Transported by EMS		1.3	8.7	20.0	20.4	47.1
Agency Level of Care ⁴						
Basic Life Support	Air	N/A	N/A	N/A	N/A	N/A

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

Intermediate Life Support		N/A	N/A	N/A	N/A	N/A
Paramedic Life Support		11.4	31.8	29.8	35.5	94.3
Specialty Care		19.9	60.2	59.9	39.2	137.3
Basic Life Support	Ground	1.9	9.3	18.7	25.8	49.6
Intermediate Life Support		1.6	8.8	18.3	24.3	48.1
Paramedic Life Support		0.8	8.2	20.7	17.9	45.8
Specialty Care		1.9	17.4	24.0	29.6	69.4

¹Run times limited to account for extreme observations (limits represent > 90% of data).

²Analysis included a patient disposition of "treated and transported/transferred care" only.

³Cancelled Calls and No Patient Found for scene time not shown as there was no patient to transport from scene.

⁴Air Services are licensed in Oklahoma at a minimum of Paramedic Level (cannot be Basic or Intermediate agency).

* Time limits calculated using 2014 and 2015 data due to data entry errors for Enroute Time for 2011-2013.

Table 4: Average EMS Service Call Run Times by Incident County, Oklahoma 2015

County	Ground Providers					Air Providers				
	EnRoute ^{*1}	Response ¹	Scene ¹	Transport ^{1,2}	Total ^{1,2}	EnRoute ^{*1}	Response ¹	Scene ¹	Transport ^{1,2}	Total ^{1,2}
ADAIR	1.3	8.2	19.0	29.5	49.3	12.3	30.1	23.5	29.0	78.4
ALFALFA	3.0	9.4	19.7	46.4	71.2	13.7	44.7	21.7	42.7	109.0
ATOKA	1.2	9.4	18.3	19.3	44.4	12.3	39.6	35.8	51.0	126.1
BEAVER	3.4	10.5	20.7	32.7	49.9	27.0	52.8	54.7	44.5	140.2
BECKHAM	1.8	6.3	17.6	17.7	31.0	15.7	34.0	36.5	50.9	119.0
BLAINE	3.8	12.7	19.4	33.5	55.8	15.8	48.8	35.6	27.9	101.1
BRYAN	1.2	8.4	16.8	16.3	36.4	13.9	44.9	36.3	44.9	112.1
CADDO	2.4	9.3	18.3	31.0	51.9	9.8	24.5	25.7	25.8	73.6
CANADIAN	1.0	10.6	22.2	21.2	49.2	18.1	44.7	41.2	19.9	74.8
CARTER	1.7	8.3	14.8	18.9	36.4	13.2	31.8	36.3	44.3	104.6
CHEROKEE	1.2	10.6	18.4	31.1	53.9	10.9	30.4	26.3	29.0	79.5
CHOCTAW	2.5	12.0	20.0	21.2	47.5	15.7	41.6	33.1	50.4	118.1
CIMARRON	5.2	12.5	19.8	15.0	43.8	25.0	57.4	52.6	41.2	142.3
CLEVELAND	1.2	9.8	16.8	15.2	39.7	19.4	39.7	44.1	20.2	91.5
COAL	2.5	8.7	17.2	22.9	43.5	13.3	42.8	35.8	46.9	123.2
COMANCHE	1.1	8.7	15.5	18.1	37.1	14.3	39.9	45.8	40.7	110.6
COTTON	0.6	10.1	17.8	34.8	67.7	13.3	27.5	18.9	24.0	67.4
CRAIG	2.2	8.9	18.5	30.9	57.1	11.4	32.4	23.6	33.2	87.6
CREEK	1.4	9.9	21.7	24.9	53.1	10.3	27.4	25.7	19.9	72.7
CUSTER	1.8	6.5	19.0	32.3	48.7	14.9	37.1	33.5	38.7	104.3
DELAWARE	1.6	9.2	16.8	33.1	55.9	12.9	38.1	27.6	30.6	84.4
DEWEY	4.3	10.6	18.8	31.7	51.3	12.9	38.3	26.0	48.0	107.2
ELLIS	3.9	9.2	16.5	14.6	35.7	21.1	43.9	29.6	68.5	138.8
GARFIELD	1.8	8.2	15.4	18.3	35.5	14.8	47.9	44.0	39.3	122.5

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

GARVIN	1.8	8.5	16.4	26.3	48.2	11.1	25.3	28.1	27.4	83.5
GRADY	1.0	6.4	16.7	26.0	46.5	9.5	22.7	31.7	22.4	72.8
GRANT	3.3	9.9	16.4	35.9	60.4	7.3	44.3	17.0	32.0	86.4
GREER	5.6	11.3	16.1	26.0	43.4	15.6	30.8	36.5	44.4	115.0
HARMON	3.9	7.3	15.1	23.8	35.2	12.7	33.7	29.3	46.6	121.5
HARPER	3.5	9.8	17.5	25.1	44.9	23.2	44.4	43.4	55.8	139.0
HASKELL	2.4	11.8	17.3	42.7	59.6	10.3	29.0	28.5	30.4	92.3
HUGHES	1.9	11.3	18.9	35.5	53.3	11.7	28.1	27.3	34.2	92.4
JACKSON	2.4	8.5	17.8	16.1	35.9	17.2	45.6	49.8	47.0	122.6
JEFFERSON	3.2	12.3	15.9	21.2	45.1	11.8	32.7	32.3	38.7	96.3
JOHNSTON	2.8	10.3	17.1	24.8	48.2	12.9	36.5	27.2	44.5	100.7
KAY	1.3	6.0	16.6	21.8	33.5	13.1	42.3	36.0	39.7	111.2
KINGFISHER	1.2	6.5	19.0	24.8	46.0	9.1	25.9	21.4	18.1	75.1
KIOWA	1.9	7.9	17.8	24.0	42.4	13.1	32.9	37.0	43.4	105.7
LATIMER	1.5	10.0	19.7	30.2	51.4	15.0	41.7	31.2	40.6	108.3
LE FLORE	2.1	11.7	20.8	32.9	58.0	13.6	45.0	33.6	45.6	119.9
LINCOLN	2.1	10.7	18.7	30.6	58.3	11.1	26.5	27.6	25.3	76.4
LOGAN	0.7	7.0	18.4	21.9	43.5	10.6	31.3	32.6	16.4	69.4
LOVE	1.2	7.2	19.3	21.8	45.2	11.7	26.7	22.1	37.3	87.3
MAJOR	4.4	12.5	17.4	32.0	55.9	13.8	43.7	30.0	38.4	114.0
MARSHALL	1.5	9.6	18.0	24.7	50.5	12.6	29.1	25.1	45.3	92.5
MAYES	2.0	12.9	22.2	36.7	65.6	10.4	21.9	22.3	22.4	65.5
MCCLAIN	1.5	8.3	17.1	24.2	46.6	10.0	27.9	27.3	19.1	71.7
MCCURTAIN	2.0	11.1	16.5	21.2	44.7	15.6	38.7	31.8	46.1	112.8
MCINTOSH	2.4	10.7	20.1	32.9	58.6	10.2	27.3	24.8	29.0	80.7
MURRAY	1.0	7.4	15.5	27.2	44.0	14.5	32.8	31.3	37.8	96.0
MUSKOGEE	1.4	8.5	21.5	23.3	49.2	11.3	25.1	34.3	24.2	75.1
NOBLE	2.7	9.9	16.4	32.1	47.2	14.8	29.8	33.6	28.1	90.4
NOWATA	1.8	7.2	18.0	21.7	48.4	8.8	31.2	27.0	25.7	79.1
OKFUSKEE	2.3	7.7	16.3	41.3	57.7	10.3	28.1	25.8	26.3	77.9
OKLAHOMA	0.5	9.3	22.9	16.9	46.8	16.6	41.4	51.4	30.5	108.6
OKMULGEE	1.9	8.5	16.4	27.0	47.0	8.8	30.2	27.2	21.4	78.8
OSAGE	1.4	8.0	19.1	25.6	50.5	11.7	35.3	26.2	24.2	86.4
OTTAWA	1.1	7.0	18.1	19.1	42.4	14.4	38.6	28.6	32.7	74.1
PAWNEE	2.5	8.8	21.7	30.7	58.2	9.4	30.3	25.3	21.9	76.2
PAYNE	1.5	8.0	19.3	27.2	47.1	11.6	25.8	36.5	28.3	83.7
PITTSBURG	1.9	9.9	18.4	23.1	39.3	10.3	42.3	38.9	41.2	115.6
PONTOTOC	0.6	8.6	18.5	30.9	45.0	12.9	39.3	41.1	37.3	107.4
POTTAWATOMIE	0.5	8.5	16.2	18.8	40.8	12.8	36.8	42.2	26.8	84.0
PUSHMATAHA	1.1	7.6	17.1	30.0	44.4	14.4	40.1	30.7	53.4	117.6
ROGER MILLS	3.2	15.4	20.6	25.0	54.7	14.6	36.2	29.7	55.3	119.0

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ROGERS	1.9	9.8	19.8	24.1	51.4	11.9	25.7	23.0	18.0	64.4
SEMINOLE	0.9	6.2	16.3	25.6	43.6	11.1	23.0	31.6	25.4	71.8
SEQUOYAH	2.0	13.3	20.8	28.6	55.3	10.7	32.2	23.1	30.3	89.5
STEPHENS	0.9	9.3	17.1	22.9	40.8	12.8	30.7	43.1	36.1	100.6
TEXAS	2.4	8.0	21.3	12.9	36.6	7.8	27.5	56.9	38.8	113.9
TILLMAN	3.6	8.3	14.2	29.4	46.5	13.1	35.2	22.3	38.5	100.2
TULSA	0.6	9.8	24.0	18.6	50.3	14.4	46.3	50.5	46.8	105.8
WAGONER	1.8	8.3	19.0	24.0	47.9	10.2	21.2	23.0	20.0	63.3
WASHINGTON	1.1	6.7	15.6	14.4	33.6	11.1	37.8	33.6	28.9	95.5
WASHITA	3.6	11.0	19.1	22.7	43.7	14.4	33.3	26.1	41.6	98.7
WOODS	2.4	8.1	19.0	33.2	45.6	16.4	45.2	30.8	46.0	121.7
WOODWARD	1.7	9.5	17.0	12.4	35.0	8.1	43.1	39.1	58.2	129.8

¹Run times limited to account for extreme observations (limits represent > 90% of data).

²Analysis included a patient disposition of "Treated and Transported/Transferred care" only.

* Time limits calculated using 2014 and 2015 data due to data entry errors for Enroute Time for 2011-2013.

Table 5: EMS Service Calls by Incident County, Oklahoma 2011-2015

County	2011 Call volume	2011 Call Rate	2012 Call Volume	2012 Call Rate	2013 Call Volume	2013 Call Rate	2014 Call Volume	2014 Call Rate	2015 Call Volume	2015 Call Rate	Total Calls	Volume Rate Change (%)	2015 Pop. %	5 Year Pop. Change (%)
ADAIR	3,359	149	3,384	152	2,837	128	3,032	137	3,210	146	15,822	-2	0.6%	-2.1%
ALFALFA	472	84	534	94	624	107	586	101	601	103	2,817	23	0.1%	3.4%
ATOKA	2,046	145	1,834	131	2,007	145	2,077	150	2,077	151	10,041	4	0.4%	-2.4%
BEAVER	269	48	269	48	277	50	296	54	229	42	1,340	-11	0.1%	-3.8%
BECKHAM	2,362	106	2,609	113	2,741	117	2,939	124	2,816	119	13,467	13	0.6%	5.8%
BLAINE	1,177	122	1,253	128	1,167	119	1,179	120	1,234	126	6,010	4	0.3%	1.1%
BRYAN	6,814	158	6,894	159	6,656	151	6,707	151	6,831	152	33,902	-4	1.2%	4.3%
CADDO	2,783	94	3,105	105	3,020	102	2,766	94	2,895	98	14,569	5	0.8%	-0.7%
CANADIAN	7,093	59	7,434	61	9,173	73	9,721	75	10,990	82	44,411	39	3.4%	11.6%
CARTER	7,302	152	7,506	156	7,355	151	7,780	160	8,008	165	37,951	8	1.2%	1.2%
CHEROKEE	7,424	156	8,150	170	7,945	166	8,268	171	9,528	197	41,315	27	1.2%	1.3%
CHOCTAW	2,627	172	2,522	166	2,409	160	2,579	171	2,523	168	12,660	-2	0.4%	-1.6%
CIMARRON	186	75	152	64	131	56	169	74	212	96	850	29	0.1%	-11.4%
CLEVELAND	18,434	70	19,567	74	21,703	80	23,375	87	23,531	86	106,610	22	7.0%	4.7%
COAL	592	100	702	119	679	117	775	134	824	146	3,572	46	0.1%	-4.9%
COMANCHE	15,064	119	15,130	120	15,067	121	17,040	136	17,937	144	80,238	21	3.2%	-1.5%
COTTON	355	58	438	71	555	90	597	98	685	115	2,630	99	0.2%	-3.0%
CRAIG	2,108	141	2,218	151	2,096	143	2,160	148	2,275	153	10,857	9	0.4%	-0.7%
CREEK	7,526	106	7,808	110	8,225	116	9,084	128	9,260	130	41,903	23	1.8%	0.4%
CUSTER	3,844	139	3,589	126	3,707	127	3,989	135	3,721	126	18,850	-9	0.8%	6.8%

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DELAWARE	5,017	121	5,208	126	5,234	126	5,530	134	5,412	131	26,401	8	1.1%	-0.1%
DEWEY	443	93	471	98	473	98	533	108	457	92	2,377	-1	0.1%	3.9%
ELLIS	379	94	421	103	316	77	372	90	293	69	1,781	-26	0.1%	4.6%
GARFIELD	6,292	104	6,310	103	6,525	105	6,456	103	7,185	113	32,768	9	1.6%	4.4%
GARVIN	3,844	140	3,335	122	3,191	117	3,396	123	3,762	135	17,528	-4	0.7%	1.5%
GRADY	5,010	95	4,712	89	4,713	88	4,531	84	4,600	84	23,566	-11	1.4%	3.4%
GRANT	433	95	489	108	486	108	645	144	535	119	2,588	25	0.1%	-0.9%
GREER	713	116	564	93	492	80	496	81	654	108	2,919	-7	0.2%	-1.6%
HARMON	283	96	263	90	308	107	295	105	328	118	1,477	23	0.1%	-5.6%
HARPER	317	86	336	91	298	77	323	83	331	88	1,605	3	0.1%	1.7%
HASKELL	1,214	96	1,403	109	1,397	108	1,606	125	1,716	134	7,336	40	0.3%	0.7%
HUGHES	1,760	127	1,711	124	1,817	132	1,950	141	1,689	123	8,927	-3	0.4%	-0.9%
JACKSON	2,658	101	3,030	115	2,208	84	2,209	85	2,158	85	12,263	-16	0.7%	-3.4%
JEFFERSON	693	108	685	108	700	111	740	118	694	111	3,512	3	0.2%	-2.9%
JOHNSTON	1,452	131	1,449	132	1,498	136	1,508	136	1,545	141	7,452	7	0.3%	-0.9%
KAY	5,505	120	5,498	120	5,383	118	5,506	121	5,454	120	27,346	0	1.2%	-1.1%
KINGFISHER	1,166	77	1,211	81	1,213	79	1,334	86	1,315	84	6,239	9	0.4%	3.1%
KIOWA	1,309	139	1,299	139	1,247	133	1,321	142	1,171	128	6,347	-8	0.2%	-2.8%
LATIMER	993	89	1,095	100	1,046	98	1,056	99	1,163	111	5,353	24	0.3%	-5.4%
LE FLORE	4,946	98	6,516	130	6,667	134	6,835	137	6,953	140	31,917	42	1.3%	-1.1%
LINCOLN	2,951	86	3,032	89	3,399	99	3,482	101	3,646	104	16,510	21	0.9%	1.9%
LOGAN	2,167	50	2,304	53	2,484	56	2,156	48	2,330	51	11,441	1	1.2%	6.6%
LOVE	1,609	171	1,774	185	1,802	186	1,984	204	2,185	222	9,354	30	0.3%	4.7%
MAJOR	489	64	627	82	570	74	574	74	555	72	2,815	12	0.2%	1.5%
MARSHALL	1,529	96	2,046	129	1,822	114	1,960	122	2,178	134	9,535	39	0.4%	2.1%
MAYES	5,982	145	5,837	142	5,776	141	5,888	144	5,834	143	29,317	-1	1.0%	-1.2%
MCCLAIN	3,583	102	3,726	105	3,600	99	3,565	96	3,739	98	18,213	-3	1.0%	8.1%
MCCURTAIN	4,662	140	4,738	143	4,633	140	4,788	145	4,626	140	23,447	0	0.8%	-0.6%
MCINTOSH	3,208	158	3,302	161	3,290	161	3,259	162	3,174	159	16,233	1	0.5%	-2.0%
MURRAY	2,160	159	1,976	145	2,049	150	2,225	161	2,223	160	10,633	1	0.4%	2.1%
MUSKOGEE	18,159	257	17,922	254	18,750	267	19,623	281	19,492	280	93,946	9	1.8%	-1.6%
NOBLE	865	75	931	81	977	86	1,042	90	1,044	91	4,859	21	0.3%	-0.3%
NOWATA	1,061	100	906	85	878	83	791	75	864	82	4,500	-18	0.3%	-1.0%
OKFUSKEE	2,128	173	1,750	142	1,692	138	1,725	142	1,607	132	8,902	-24	0.3%	-1.1%
OKLAHOMA	102,066	140	112,289	151	111,482	148	107,967	141	108,835	140	542,639	0	19.8%	6.3%
OKMULGEE	5,809	146	6,149	155	6,077	154	6,612	169	7,183	183	31,830	26	1.0%	-1.6%
OSAGE	3,454	72	3,389	71	4,109	86	4,191	87	4,915	103	20,058	44	1.2%	-0.9%
OTTAWA	5,394	169	5,298	164	5,234	162	5,538	173	5,725	179	27,189	6	0.8%	0.1%
PAWNEE	2,005	119	1,898	115	2,138	130	2,296	140	2,226	135	10,563	13	0.4%	-2.0%
PAYNE	7,384	95	8,201	105	8,666	109	8,408	105	8,543	106	41,202	12	2.1%	3.4%
PITTSBURG	6,460	142	6,378	141	6,261	140	6,345	142	7,623	171	33,067	21	1.1%	-2.5%

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PONTOTOC	5,295	140	5,475	144	5,425	142	6,387	167	6,636	173	29,218	24	1.0%	1.5%
POTTAWATOMIE	9,168	131	9,439	134	10,086	142	10,677	149	10,987	153	50,357	17	1.8%	2.4%
PUSHMATAHA	1,245	109	1,327	118	1,245	111	1,214	109	1,188	107	6,219	-3	0.3%	-2.1%
ROGER MILLS	298	78	299	79	302	81	281	75	271	72	1,451	-8	0.1%	-1.2%
ROGERS	13,450	153	14,171	160	14,578	164	16,328	182	17,543	193	76,070	26	2.3%	3.4%
SEMINOLE	3,213	126	3,289	129	3,520	138	3,776	149	3,782	148	17,580	18	0.7%	0.0%
SEQUOYAH	4,302	102	4,637	112	4,821	117	4,870	118	5,439	132	24,069	29	1.1%	-1.9%
STEPHENS	3,673	81	5,489	122	5,848	130	6,389	143	6,767	152	28,166	86	1.1%	-1.1%
TEXAS	1,472	70	1,565	73	1,610	73	1,542	71	1,575	74	7,764	6	0.5%	0.9%
TILLMAN	662	83	765	98	694	90	778	102	860	114	3,759	38	0.2%	-5.9%
TULSA	104,451	172	111,744	182	113,625	182	117,879	187	122,517	192	570,216	12	16.3%	4.9%
WAGONER	5,351	72	4,966	66	4,860	64	4,420	58	4,481	58	24,078	-19	2.0%	3.6%
WASHINGTON	5,124	100	5,180	100	4,734	92	4,951	95	5,104	98	25,093	-2	1.3%	1.7%
WASHITA	692	60	808	69	819	70	788	68	786	67	3,893	13	0.3%	0.7%
WOODS	1,037	118	1,299	147	1,287	143	1,257	136	1,286	138	6,166	17	0.2%	6.2%
WOODWARD	2,231	111	2,367	115	2,212	104	2,247	105	2,400	112	11,457	1	0.5%	7.0%
TOTALS	489,928	129	512,245	134	518,490	135	533,754	138	550,784	141	2,605,201	9	100%	3.2%

1. EMS service call volume includes all call types for 2011-2015.

2. County population for 2011-2015 calculated using estimates taken from the US Census (www.census.gov).

3. EMS service call rates are per 1,000 population.

Table 6: EMS Service Calls by Incident City, Oklahoma 2011-2015 ^{1, 2}

Place of Incident	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
Oklahoma City	84,175	96,326	100,201	99,697	100,164	480,563	18.5%	18.9%
Tulsa	86,636	92,283	95,513	99,582	103,745	477,759	18.3%	19.8%
Muskogee	15,044	14,742	15,551	16,376	16,268	77,981	2.9%	8.1%
Norman	13,868	14,114	14,646	15,432	15,877	73,937	2.8%	14.5%
Lawton	12,628	12,028	12,219	14,352	15,103	66,330	2.6%	19.6%
Broken Arrow	8,284	8,676	9,252	10,297	10,851	47,360	1.8%	30.9%
Edmond	7,843	8,691	8,785	8,963	9,907	44,189	1.7%	26.3%
Shawnee	7,044	7,297	7,888	8,229	8,435	38,893	1.5%	19.8%
Tahlequah	6,396	7,016	6,701	6,908	8,186	35,207	1.4%	27.9%
Claremore	5,681	6,053	6,464	7,552	8,374	34,124	1.3%	47.4%
Enid	5,930	5,960	6,282	6,326	6,809	31,307	1.2%	14.8%
Ardmore	5,769	6,022	6,067	6,359	6,561	30,778	1.2%	13.7%
Owasso	5,447	5,834	5,746	6,021	6,076	29,124	1.1%	11.6%
Ada	4,918	5,119	5,080	6,004	6,277	27,398	1.1%	27.6%
McAlester	5,370	5,312	5,140	5,199	6,297	27,318	1.1%	17.3%

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

Stillwater	4,735	5,142	5,614	5,489	5,752	26,732	1.0%	21.5%
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¹ Only cities/towns that made up > 1% of the total run volume between 2011 and 2015 shown.

² Analysis includes all call types between 2011 and 2015.

Table 7: EMS Service Calls by Patient Destination, Oklahoma 2011-2015^{1, 2}

Destination Facility	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
St. Francis Hosp. Inc.-Tulsa	29,002	31,023	31,534	30,453	33,862	155,874	7.9%	16.8%
St. John Med. Ctr. Inc.- Tulsa	24,482	26,214	26,083	27,206	29,198	133,183	6.8%	19.3%
OU Med Ctr.-All Licenses	20,225	20,854	19,971	21,250	22,003	104,303	5.3%	8.8%
Nursing Home/Long Term Care	19,597	19,022	19,096	20,286	21,467	99,468	5.1%	9.5%
Hillcrest Med. Ctr.- Tulsa	17,154	17,111	17,379	18,666	18,883	89,193	4.6%	10.1%
Integrus Baptist Med. Ctr. Inc.- OKC	16,136	16,977	16,816	17,669	17,373	84,971	4.4%	7.7%
St. Anthony Hosp.-OKC	12,500	15,744	16,641	17,875	19,247	82,007	4.2%	53.9%
Integrus Southwest Med. Ctr.	12,236	11,924	13,062	12,020	12,236	61,478	3.2%	0.0%
Norman Regional Hosp.	10,133	10,554	10,936	11,577	11,644	54,844	2.8%	14.9%
Mercy Hosp. - OKC	9,692	10,347	10,871	11,255	11,829	53,994	2.8%	22.1%
Muskogee Regional Med. Ctr.	7,742	8,982	9,788	9,758	9,148	45,418	2.3%	18.2%
Comanche County Mem. Hosp.	7,211	8,080	8,233	9,318	9,668	42,510	2.2%	34.1%
OSU Med. Ctr.	7,060	7,789	8,244	8,848	9,896	41,837	2.1%	40.2%

¹ Only patient destinations that made up 2% or more of the total run volume between 2011 and 2015 shown.

² Analysis includes treated/transported patients between 2011 and 2015.

Table 8: EMS Service Calls by EMS Provider, Oklahoma 2011-2015^{1, 2}

EMS Agency Name	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
EMSA-West Division	92,062	99,352	103,134	100,739	105,100	500,387	19.2%	14.2%
EMSA-East Division	90,028	95,826	97,251	98,972	101,597	483,674	18.6%	12.9%
Muskogee County EMS	19,846	19,551	19,937	20,756	20,786	100,876	3.9%	4.7%
EMSSTAT-Norman Reg Hosp EMS	15,521	15,806	15,661	16,736	18,363	82,087	3.2%	18.3%
Pafford EMS (All Active Licenses)	11,802	12,738	13,484	14,488	16,863	69,375	2.7%	42.9%
Midwest Reg Hosp EMS	13,256	13,436	14,263	13,321	6,931	61,207	2.4%	-47.7%
React EMS	9,919	10,208	10,838	11,530	12,001	54,496	2.1%	20.9%
Mercy Reg. of Oklahoma	8,436	8,646	9,447	11,392	11,750	49,671	1.9%	39.3%
Creek County Emergency Ambulance Service District	6,537	7,192	7,501	8,075	8,438	37,743	1.5%	29.1%

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

Broken Arrow Fire Dept EMS	6,841	7,094	7,298	8,108	8,012	37,353	1.4%	17.1%
Southern Oklahoma Ambulance Service	7,142	7,256	7,120	7,410	7,734	36,662	1.4%	8.3%
Kirks Emergency Service	7,332	6,149	6,231	7,071	7,789	34,572	1.3%	6.2%
Life EMS	6,608	6,019	6,307	6,111	6,596	31,641	1.2%	-0.2%
EMS of LeFlore County	5,737	6,009	6,194	6,432	6,523	30,895	1.2%	13.7%
Comanche Co Mem Hosp. EMS	5,258	5,521	5,558	6,352	6,975	29,664	1.1%	32.7%
Okmulgee County EMS	5,471	5,556	5,510	5,905	5,885	28,327	1.1%	7.6%
Sinor EMS (All Active Licenses)	5,775	5,518	5,253	5,801	5,245	27,592	1.1%	-9.2%
LifeNet, Inc.	3,478	5,515	6,052	5,935	6,134	27,114	1.0%	76.4%
Mayes Emergency Serv Trust Auth	5,147	5,337	5,495	5,407	5,381	26,767	1.0%	4.56%
Bryan County EMS	5,323	5,313	5,151	5,147	5,424	26,358	1.0%	1.9%

¹ Only EMS agencies that made up $\geq 1\%$ of the total run volume between 2011 and 2015 shown.

² Analysis includes all call types between 2011 and 2015.

Table 9: EMS Service Calls by Incident Region (All Call Types), Oklahoma 2011-2015

*Out-of-State Calls and Missing Not Shown.	Year							
Incident Region*	2011	2012	2013	2014	2015	Total # of Calls	% of Total Calls	% Change
Region 1	23,559	24,609	24,758	25,510	25,802	124,238	4.8%	9.5%
Region 2	57,349	58,735	59,803	62,629	64,939	303,455	11.7%	13.2%
Region 3	54,865	56,995	56,172	60,442	63,108	291,582	11.2%	15.0%
Region 4	56,352	57,721	58,202	60,774	63,483	296,532	11.4%	12.7%
Region 5	39,015	40,802	40,454	41,787	43,064	205,122	7.9%	10.4%
Region 6	43,396	45,502	50,445	52,976	55,223	247,542	9.5%	27.3%
Region 7	104,451	111,744	113,625	117,879	122,517	570,216	21.9%	17.3%
Region 8	102,066	112,289	111,482	107,967	108,835	542,639	20.8%	6.6%
Totals	489,928	512,245	518,490	533,754	550,784	2,605,201	100.0%	12.4%

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

Table 10: EMS Service Calls by EMS Provider, Region 1, Oklahoma 2011-2015^{1, 2}

EMS Agency	year							
	2011	2012	2013	2014	2015	Total # of Calls	% of Total Calls	% Change
Life EMS	6,270	5,949	6,100	5,763	6,514	30,596	24.6%	3.9%
Sinor EMS (All Licenses)	4,363	4,115	4,014	4,442	3,949	20,883	16.8%	-9.5%
Woodward County EMS	2,172	2,214	2,044	2,027	2,189	10,646	8.6%	0.8%
Elk City Fire Department EMS	1,371	1,467	1,745	1,793	1,767	8,143	6.6%	28.9%
Guymon Fire Dept Ambulance	1,074	1,142	1,167	1,107	1,092	5,582	4.5%	1.7%
Kingfisher Fire & Ambulance Service	871	816	895	1,067	1,072	4,721	3.8%	23.1%
Alva Ambulance Service	689	856	885	843	883	4,156	3.4%	28.2%
Air Evac Lifeteam (all Licenses)	413	746	710	819	793	3,481	2.8%	92.0%
Okeene Ambulance Service	338	710	713	725	788	3,274	2.6%	133.1%
Alfalfa County EMS Inc.	505	559	654	617	636	2,971	2.4%	25.9%
Major County Ambulance	433	598	505	507	474	2,517	2.0%	9.5%

¹ Only EMS agencies that made up $\geq 2\%$ of the total run volume for Region 1 between 2011 and 2015 shown.

² Analysis includes all call types between 2011 and 2015.

Table 11: EMS Service Calls by Patient Destination, Region 1, Oklahoma 2011-2015^{1, 2}

Patient Destination	Year							
	2011	2012	2013	2014	2015	Total # of Calls	% of Total Calls	% Change
Saint Mary's Reg. Med. Ctr.	2,692	2,813	2,779	2,818	3,021	14,123	14.8%	12.2%
Integrus Bass Baptist Hlth. Ctr.	2,312	2,476	2,601	2,354	2,458	12,201	12.8%	6.3%
Great Plains Reg. Med. Ctr.	1,197	1,255	1,373	1,372	1,390	6,587	6.9%	16.1%
Alliance Hlth.-Clinton	1,356	1,171	1,152	1,216	1,132	6,027	6.3%	-16.5%
Woodward Reg. Hosp. & Hlth. Ctr.	1,167	1,224	1,138	1,181	1,269	5,979	6.3%	8.7%
Nursing Home/Rest Home/Long Term Care	814	907	1,040	943	896	4,600	4.8%	10.1%
OU Med Ctr (All Destinations)	702	744	844	1,088	1,033	4,411	4.6%	47.2%
Weatherford Reg. Hosp.	773	731	726	834	837	3,901	4.1%	8.3%
Null Values/Missing/Invalid Codes	938	751	412	479	715	3,295	3.5%	-23.8%
Integrus Baptist Med. Ctr-OKC	500	517	600	536	488	2,641	2.8%	-2.4%
Share Memorial Hosp.	486	566	568	514	479	2,613	2.8%	-1.4%
Memorial Hosp. of Texas County	493	501	502	481	478	2,455	2.6%	-3.0%
Care Transfer to EMS (Intercepts)	350	438	797	539	305	2,428	2.6%	-12.9%
Mercy Hosp.-OKC	282	416	488	559	468	2,213	2.3%	65.9%
Oklahoma Heart Hosp.-OKC	328	378	377	475	461	2,019	2.1%	40.6%
St. Anthony Hosp.-Main Campus	377	405	397	404	404	1,987	2.1%	7.2%

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

¹ Only destinations that made up $\geq 2\%$ of the total run volume for Region 1 between 2011 and 2015 shown.

² Analysis includes Treated/Transported service calls between 2011 and 2015.

Table 12: EMS Service Calls by EMS Provider, Region 2, Oklahoma 2011-2015^{1, 2}

EMS Agency	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
Pafford EMS of Oklahoma (All Licenses)	7,071	7,468	7,923	8,795	9,988	41,245	13.6%	41.3%
Mercy Regional of Oklahoma	4,961	5,125	5,275	6,292	6,450	28,103	9.3%	30.0%
LifeNet, Inc.	3,439	5,471	5,967	5,723	6,047	26,647	8.8%	75.8%
Mayes Emergency Serv Trust Auth	5,125	5,297	5,469	5,386	5,342	26,619	8.8%	4.2%
Bartlesville Ambulance Service	5,065	5,160	4,882	5,073	5,217	25,397	8.4%	3.0%
Ponca City Fire Dept Ambulance	3,630	3,532	3,349	3,551	3,921	17,983	5.9%	8.0%
Grove EMS	3,350	3,226	3,103	3,458	3,450	16,587	5.5%	2.9%
Integrus Baptist Regional EMS	3,180	3,134	3,125	3,392	3,444	16,275	5.4%	8.3%
Owasso Fire Dept EMS	2,744	2,974	3,151	2,966	2,732	14,567	4.8%	-0.4%
Quapaw Tribe Fire and Ambulance	2,215	2,229	2,243	2,132	2,121	10,940	3.6%	-4.2%
Cushing Fire Department	2,012	2,100	2,122	2,149	1,998	10,381	3.4%	-0.7%
Skiatook Fire & EMS	1,478	1,500	1,351	1,368	1,253	6,950	2.3%	-15.2%

¹ Only EMS agencies that made up $\geq 2\%$ of the total run volume for Region 2 between 2011 and 2015 shown.

² Analysis includes all call types between 2011 and 2015.

Table 13: EMS Service Calls by Patient Destination, Region 2, Oklahoma 2011-2015^{1, 2}

Patient Destination	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
Jane Phillips Med. Ctr.-Bartlesville	4,466	4,484	4,324	4,536	4,506	22,316	9.9%	0.9%
St. John Med. Ctr., Inc.-Tulsa	3,524	4,021	4,246	4,485	4,904	21,180	9.4%	39.2%
St. Francis Hosp., Inc.-Tulsa	3,393	3,761	3,794	3,867	4,275	19,090	8.5%	25.9%
Stillwater Med. Ctr.	2,893	3,369	3,590	3,611	3,720	17,183	7.7%	28.6%
Hillcrest Med. Ctr. Tulsa	2,851	3,216	3,842	3,894	3,323	17,126	7.6%	16.6%
Ponca City Med. Ctr.	2,739	2,747	2,617	2,854	3,003	13,960	6.2%	9.6%
Hillcrest Hosp.-Claremore	1,908	2,077	2,229	2,395	2,562	11,171	4.9%	34.3%
Integrus Baptist Reg. Hlth. Ctr.-Miami	1,966	1,918	1,940	2,082	2,234	10,140	4.5%	13.6%
Nursing Home/Rest Home/Long Term Care	1,998	1,877	1,979	2,043	2,204	10,101	4.5%	10.3%
Saint Johns-Owasso	1,508	1,647	1,612	1,770	1,620	8,157	3.6%	7.4%
Out-of-State Facility	1,349	1,493	1,564	1,584	1,607	7,597	3.4%	19.1%

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

Integris Mayes Cty. Med. Ctr.	1,707	1,378	1,214	1,285	1,137	6,721	2.9%	-33.4%
Craig General Hosp.	1,152	1,194	1,100	1,038	1,183	5,667	2.5%	2.7%
OSU Med. Ctr.	896	815	865	1,060	1,462	5,098	2.3%	63.2%
InvalidMissing/Null Values	1,940	1,303	572	534	673	5,022	2.2%	-65.3%
Hillcrest Hosp.-Cushing	1,015	1,069	990	971	856	4,901	2.2%	-15.7%

¹ Only destinations that made up $\geq 2\%$ of the total run volume for Region 2 between 2011 and 2015 shown.

² Analysis includes Treated/Transported service calls between 2011 and 2015.

Table 14: EMS Service Calls by EMS Provider, Region 3, Oklahoma 2011-2015^{1, 2}

EMS Agency	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
Southern Oklahoma Amb. Service	7,132	7,242	7,105	7,401	7,716	36,596	12.6%	8.2%
Kirks Emergency Service	7,278	6,124	6,221	7,057	7,769	34,449	11.8%	6.8%
Comanche Co Mem. Hosp. EMS	5,239	5,502	5,307	6,058	6,636	28,742	9.9%	26.7%
Mercy Hosp. EMS - Ada	4,290	4,294	4,447	5,171	5,369	23,571	8.1%	25.2%
American Medical Response (Duncan & Marlow)	3,421	5,045	4,864	4,827	5,068	23,225	7.9%	48.1%
Chickasha Fire EMS	3,285	3,063	3,054	2,852	2,972	15,226	5.2%	-9.5%
Jackson County EMS	2,528	2,855	2,034	2,079	2,033	11,529	3.9%	-19.6%
Cache EMS	1,833	1,937	2,120	2,483	2,404	10,777	3.7%	31.2%
Murray County EMS	2,078	1,923	2,025	2,142	2,195	10,363	3.6%	5.6%
Mercy Health-Love County EMS	1,596	1,769	1,809	2,011	2,211	9,396	3.2%	38.5%
Paul's Valley Ambulance	2,129	1,652	1,425	1,665	2,087	8,958	3.1%	-1.9%
Johnston County Ambulance	1,420	1,376	1,435	1,418	1,466	7,115	2.4%	3.2%
Anadarko Fire Dept EMS	1,138	1,287	1,337	1,231	1,273	6,266	2.2%	11.9%
Reynolds Army Comm. Hosp. EMS	542	1,312	1,176	1,483	1,367	5,880	2.0%	152.2%

¹ Only EMS agencies that made up $\geq 2\%$ of the total run volume for Region 3 between 2011 and 2015 shown.

² Analysis includes all call types between 2011 and 2015.

Table 15: EMS Service Calls by Patient Destination, Region 3, Oklahoma 2011-2015^{1, 2}

Patient Destination	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
Comanche County Mem. Hosp.	7,118	8,030	8,193	9,254	9,624	42,219	19.4%	35.2%
Mercy Hosp.- Ardmore	4,686	4,890	4,959	5,075	5,169	24,779	11.4%	10.3%
Duncan Reg. Hosp. Inc	2,369	3,362	3,343	3,327	3,444	15,845	7.3%	45.4%
Valley View Reg. Hosp.- Ada	2,424	2,327	2,322	2,642	2,773	12,488	5.7%	14.4%
OU Med Ctr (All Licenses)	1,866	2,126	2,271	2,581	2,598	11,442	5.3%	39.2%

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Southwestern Med. Ctr. - Lawton	1,445	1,707	1,889	1,974	2,368	9,383	4.3%	63.9%
Nursing Home/Rest Home/Long Term Care	1,853	1,495	1,685	2,073	2,061	9,167	4.2%	11.2%
Grady Mem. Hosp.	1,733	1,869	1,817	1,677	1,823	8,919	4.1%	5.2%
Jackson County Mem. Hosp.	1,271	1,097	1,487	1,269	1,521	6,645	3.1%	19.7%
Integrus Baptist Med. Ctr., Inc. - OKC	1,419	1,685	931	1,267	1,006	6,308	2.9%	-29.1%
Pauls Valley Gen. Hosp.	1,297	1,143	891	1,031	1,230	5,592	2.6%	-5.2%
Oklahoma Heart Hosp. - OKC	951	1,044	1,003	1,138	1,104	5,240	2.4%	16.1%
Blank/Missing/Invalid Codes	883	802	910	1,077	1,271	4,943	2.3%	43.9%
Arbuckle Mem. Hosp.	1,020	934	966	1,000	971	4,891	2.3%	-4.8%
Private Residence	501	835	928	1,039	1,107	4,410	2.0%	120.9%

¹ Only destinations that made up $\geq 2\%$ of the total run volume for Region 3 between 2011 and 2015 shown.

² Analysis includes Treated/Transported service calls between 2011 and 2015.

Table 16: EMS Service Calls by EMS Provider, Region 4, Oklahoma 2011-2015^{1, 2}

EMS Agency	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
Muskogee County EMS	18,576	18,269	19,069	19,849	19,637	95,400	32.2%	5.7%
Creek County Emergency Ambulance Service District	5,943	6,469	6,686	7,153	7,418	33,669	11.4%	24.8%
Okmulgee County EMS	5,413	5,504	5,469	5,876	5,851	28,113	9.5%	8.1%
Pafford EMS of Oklahoma (All Licenses)	3,887	4,314	4,594	4,729	6,450	23,974	8.1%	65.9%
Cherokee Nation EMS	3,400	3,760	3,753	4,020	4,799	19,732	6.7%	41.2%
Northeastern Health System EMS	3,603	3,909	3,789	3,776	4,198	19,275	6.5%	16.5%
Southeast EMS (All Licenses)	2,032	2,758	2,782	3,029	3,752	14,353	4.8%	84.7%
Wagoner EMS	2,353	2,159	2,188	2,203	2,205	11,108	3.8%	-6.3%
Coweta Fire Dept	1,629	1,478	1,751	1,761	1,795	8,414	2.8%	10.2%
Westville EMS	1,374	1,371	1,255	1,328	1,319	6,647	2.2%	-4.0%
Stilwell Ambulance Service (Closed 2014)	1,830	1,971	1,445	705	N/A	5,951	2.0%	N/A

¹ Only EMS agencies that made up $\geq 2\%$ of the total run volume for Region 4 between 2011 and 2015 shown.

² Analysis includes all call types between 2011 and 2015.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

Table 17: EMS Service Calls by Patient Destination, Region 4, Oklahoma 2011-2015^{1, 2}

Patient Destination	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
Eastar Health System-Muskogee (All Locations) ³	8,861	9,506	9,763	9,978	9,817	47,925	21.0%	10.8%
St. Francis Hosp., Inc.-Tulsa (All Locations) ³	4,122	4,796	4,904	5,017	5,721	24,560	10.8%	38.8%
St. John Med. Ctr., Inc. - (All Locations) ³	3,697	4,063	4,322	4,730	5,068	21,880	9.6%	37.1%
Hillcrest Medical Center (All Locations)	3,736	4,095	3,872	4,420	4,347	20,470	8.9%	16.4%
Nursing Home/Rest Home/Long Term Care	3,753	3,349	3,271	3,204	3,293	16,870	7.4%	-12.3%
Northeastern Health System - Tahlequah	2,470	2,869	3,235	3,309	3,703	15,586	6.8%	49.9%
Out of State Facility	2,885	3,076	3,173	2,825	2,982	14,941	6.6%	3.4%
Okmulgee Memorial Hospital	1,750	1,859	1,848	1,964	1,965	9,386	4.1%	12.3%
Indian Hlth. Service (IHS) Hospitals	1,002	1,203	1,425	1,499	1,663	6,792	2.9%	65.9%
Sequoyah Memorial Hospital	1,139	1,204	1,216	1,236	1,255	6,050	2.7%	10.2%
Muskogee VA Medical Center	1,003	868	975	1,002	968	4,816	2.1%	-3.5%
OSU Med. Ctr.	710	704	722	957	1,480	4,573	2.0%	108.5%

¹ Only destinations that made up $\geq 2\%$ of the total run volume for Region 4 between 2011 and 2015 shown.

² Analysis includes Treated/Transported service calls between 2011 and 2015.

³ Destinations with multiple locations (licenses) in Region 4.

Table 18: EMS Service Calls by EMS Provider, Region 5, Oklahoma 2011-2015^{1, 2}

EMS Agency	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
EMS of LeFlore County	4,329	5,870	6,026	6,276	6,351	28,852	14.1%	46.7%
Bryan County EMS	5,339	5,335	5,177	5,177	5,364	26,392	12.9%	0.5%
McCurtain County EMS	4,392	4,457	4,347	4,419	4,279	21,894	10.7%	-2.6%
McAlester Fire Dept EMS	2,497	2,349	2,293	2,553	2,493	12,185	5.9%	-0.2%
Choctaw County Ambulance Auth	2,503	2,353	2,268	2,464	2,422	12,010	5.9%	-3.2%
Seminole Fire Department	1,819	1,901	2,053	2,282	2,292	10,347	5.0%	26.0%
Atoka County Ambulance	2,006	1,709	1,968	2,040	2,077	9,800	4.8%	3.5%
Marshall County EMS District	1,447	1,903	1,762	1,921	2,159	9,192	4.5%	49.2%
Hughes County EMS	1,550	1,486	1,558	1,671	1,442	7,707	3.8%	-6.9%
Southeast EMS (All Licenses)**	0	2,016	3,115	2,312	116	7,559	3.7%	N/A
Creek Nation EMS	1,808	1,397	1,344	1,379	1,326	7,254	3.5%	-26.7%
Pafford EMS of Oklahoma (All Licenses)**	7	32	32	1,014	5,886	6,971	3.4%	N/A
Para Med, Inc (All Licenses, Closed 2014)**	2,534	1,924	1,120	860	0	6,438	3.1%	N/A

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

City of Antlers	895	957	871	849	765	4,337	2.1%	-14.5%
Wewoka Fire Dept/EMS	799	823	864	894	891	4,271	2.1%	11.5%

Only EMS agencies that made up $\geq 2\%$ of the total run volume for Region 5 between 2011 and 2015 shown.

²Analysis includes all call types between 2011 and 2015.

^{**}Destinations with multiple locations (licenses) in Region 5. Percent change not shown for agencies that opened/closed during specified time period.

Table 19: EMS Service Calls by Patient Destination, Region 5, Oklahoma 2011-2015^{1, 2}

Patient Destination	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
Out of State Facility	4,052	4,689	5,018	5,304	5,283	24,346	15.1%	30.4%
Med. Ctr. of Southeastern Oklahoma	3,575	3,649	3,745	3,854	3,969	18,792	11.7%	11.0%
McAlester Reg. Hlth. Ctr.	3,622	3,690	3,399	3,797	4,069	18,577	11.5%	12.3%
McCurtain Mem. Hosp.	2,350	2,432	2,297	2,380	2,392	11,851	7.4%	1.8%
Nursing Home/Rest Home/Long Term Care	1,944	2,122	2,156	2,031	2,277	10,530	6.5%	17.1%
Choctaw Mem. Hosp.	1,298	1,301	1,237	1,174	1,199	6,209	3.9%	-7.6%
Eastern Oklahoma Medical Center	1,096	1,355	1,356	1,157	1,144	6,108	3.8%	4.4%
St. Francis Hosp. (All Locations) ³	972	1,307	1,416	1,195	1,217	6,107	3.8%	25.2%
Alliance Hlth.-Seminole	994	1,039	1,109	1,140	1,144	5,426	3.4%	15.1%
Blank/Missing/Invalid Code	1,896	1,300	839	487	643	5,165	3.2%	-66.1%
Holdenville Gen. Hosp.	676	923	902	1,070	922	4,493	2.8%	36.4%
Atoka Mem. Hosp.	875	720	751	802	747	3,895	2.4%	-14.6%
Alliance Hlth.-Madill	664	666	543	619	759	3,251	2.0%	14.3%
Indian Hlth. Service (IHS) Hospitals ³	578	697	675	694	574	3,218	2.0%	-0.7%

¹ Only destinations that made up $\geq 2\%$ of the total run volume for Region 5 between 2011 and 2015 shown.

²Analysis includes Treated/Transported service calls between 2011 and 2015.

³Destinations with multiple locations (licenses) in Region 5.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

Table 20: EMS Service Calls by EMS Provider, Region 6, Oklahoma 2011-2015^{1, 2}

EMS Agency	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
EMSSTAT-Norman Reg Hosp EMS	14,223	15,641	15,421	16,471	18,033	79,789	32.2%	26.8%
React EMS	9,757	10,059	10,654	11,323	11,793	53,586	21.7%	20.9%
EMSA-West Division	3,918	4,264	8,278	9,605	10,177	36,242	14.6%	159.8%
Mercy EMS - El Reno	3,157	3,141	2,969	3,097	3,288	15,652	6.3%	4.2%
Wadley's EMS, Inc.	2,136	2,314	2,229	2,356	2,611	11,646	4.7%	22.2%
Midwest Reg Hosp EMS	2,522	2,415	2,512	2,191	368	10,008	4.0%	-85.4%
Guthrie EMS	1,562	1,733	1,881	1,665	1,971	8,812	3.6%	26.2%
McClain-Grady County EMS Dist.	1,565	1,464	1,489	1,369	1,444	7,331	2.9%	-7.7%
Chandler Ambulance Service	1,117	1,311	1,290	1,338	1,306	6,362	2.6%	16.9%
Noble Fire Dept EMS	1,072	984	1,091	1,050	1,239	5,436	2.2%	15.6%

¹ Only EMS agencies that made up $\geq 2\%$ of the total run volume for Region 6 between 2011 and 2015 shown.

² Analysis includes all call types between 2011 and 2015.

Table 21: EMS Service Calls by Patient Destination, Region 6, Oklahoma 2011-2015^{1, 2}

Patient Destination	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
Norman Reg. Hosp.	9,146	9,784	10,006	10,583	10,436	49,955	26.1%	14.1%
Unity Hlth. Ctr.-Shawnee	5,171	2,529	5,530	5,939	6,237	25,406	13.3%	20.6%
Integrus Hospitals (All Locations) ³	3,557	3,466	5,376	5,639	5,845	23,983	12.5%	64.3%
Blank/Missing/Invalid Codes	3,343	5,279	2,712	2,848	3,311	17,493	9.1%	-0.9%
Mercy Hlth. Ctr. (All Locations) ³	2963	3045	3377	3431	3410	16226	8.5%	15.1%
OU Med. Ctr.-(All Locations)	1,856	1,911	2,062	2,485	2,591	10,905	5.7%	39.6%
St. Anthony Hosp. (All Locations) ³	961	1,251	1,379	1,816	2,380	7,787	4.1%	147.7%
Oklahoma Heart Hosp. - OKC	808	1,048	1,161	1,415	1,393	5,825	3.0%	72.4%
Nursing Home/Rest Home/Long Term Care	1,050	1,162	1,082	1,103	1,189	5,585	2.9%	13.2%
Purcell Municipal Hosp.	1,041	1,094	1,094	775	1,025	5,029	2.6%	-1.5%

¹ Only destinations that made up $\geq 2\%$ of the total run volume for Region 6 between 2011 and 2015 shown.

² Analysis includes Treated/Transported service calls between 2011 and 2015.

³ Destinations with multiple locations (licenses) in Region 6.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

Table 22: EMS Service Calls by EMS Provider, Region 7, Oklahoma 2011-2015^{1, 2}

EMS Agency	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
EMSA-East Division	89,842	95,611	95,870	97,357	99,974	478,654	83.9%	11.3%
Broken Arrow Fire Dept EMS	5,822	6,135	6,734	7,973	7,865	34,529	6.1%	35.1%
Mercy Regional of Oklahoma	2,647	2,974	4,012	4,963	5,267	19,863	3.5%	98.9%
EMS Plus - Glenpool	2,352	2,468	2,319	2,654	3,062	12,855	2.3%	30.2%
Miller EMS	1,074	1,566	1,698	1,708	1,967	8,013	1.4%	83.2%

¹ Only destinations that made up $\geq 1\%$ of the total run volume for Region 7 between 2011 and 2015 shown.

² Analysis includes Treated/Transported service calls between 2011 and 2015.

Table 23: EMS Service Calls by Patient Destination, Region 7, Oklahoma 2011-2015^{1, 2}

EMS Agency	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
St. Francis Hosp.(All Locations) ³	21,777	23,736	23,801	22,752	25,541	117,607	29.0%	17.3%
St. John Med. Ctr. (All Locations) ³	18,744	20,623	20,207	20,847	22,497	102,918	25.4%	20.0%
Hillcrest Hosp. (All Locations) ³	15,292	14,713	14,182	15,344	16,547	76,078	18.8%	8.2%
Nursing Home/Rest Home/Long Term Care	7,214	7,348	7,056	7,750	8,476	37,844	9.3%	17.5%
OSU Med. Ctr.	5,183	6,069	6,541	6,759	6,860	31,412	7.8%	32.4%
Blank/Missing/Invalid Codes	4,029	3,654	3,068	2,474	3,012	16,237	4.0%	-25.2%
Private Residence**	672	766	1,853	2,552	2,534	8,377	2.1%	277.1%

¹ Only destinations that made up $\geq 2\%$ of the total run volume for Region 7 between 2011 and 2015 shown.

² Analysis includes Treated/Transported service calls between 2011 and 2015.

³ Destinations with multiple locations (licenses) in Region 7.

**Percent increase most likely due to better reporting by the EMS agencies for private residence.

OKLAHOMA EMS SERVICE CALL SUMMARY, 2011-2015

Table 24: EMS Service Calls by Patient Destination, Region 8, Oklahoma 2011-2015^{1, 2}

Patient Destination	Year					Total # of Calls	% of Total Calls	% Change
	2011	2012	2013	2014	2015			
Integris Hosp. (All Locations) ³	23,446	24,267	24,146	23,225	23,587	118,671	28.1%	0.6%
St. Anthony Hosp. (All Locations) ³	10,465	14,452	15,049	15,721	16,532	72,219	17.1%	57.9%
OU Med Ctr. (All Locations) ³	14,374	14,882	13,597	13,742	14,451	71,046	16.8%	0.5%
Mercy Hosp. (All Locations) ³	7,633	8,241	8,122	7,966	8,470	40,432	9.6%	10.9%
Midwest Regional Med. Ctr.**	7,069	7,428	8,001	7,583	4,198	34,279	8.1%	-40.6%
Deaconess Hosp.	5,519	5,767	5,348	4,362	4,384	25,380	6.0%	-20.6%
Oklahoma Heart Hosp. - OKC	2,829	3,683	3,874	4,379	4,192	18,957	4.5%	48.2%
Blank/Missing/Invalid Code	1,507	2,532	2,082	1,995	2,392	10,508	2.5%	58.7%
Oklahoma Veterans Ctr. (All Oklahoma Locations) ³	2,040	1,889	1,976	1,835	1,607	9,347	2.2%	-21.2%
Nursing Home/Rest Home/Long Term Care	875	696	796	1,103	1,211	4,681	1.1%	38.4%

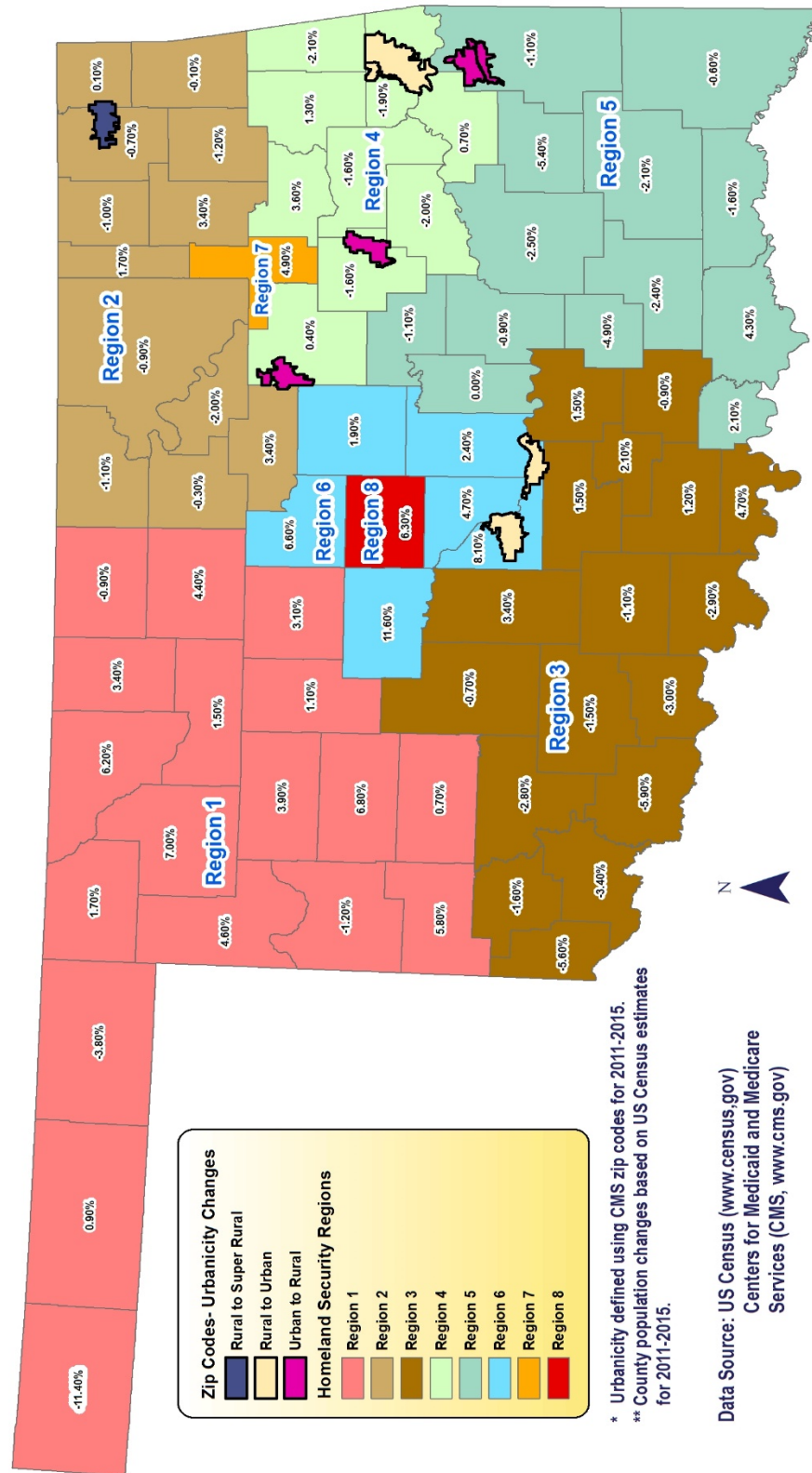
¹ Only destinations that made up $\geq 1\%$ of the total run volume for Region 8 between 2011 and 2015 shown.

² Analysis includes Treated/Transported service calls between 2011 and 2015.

³ Destinations with multiple locations (licenses) in or outside of Region 8.

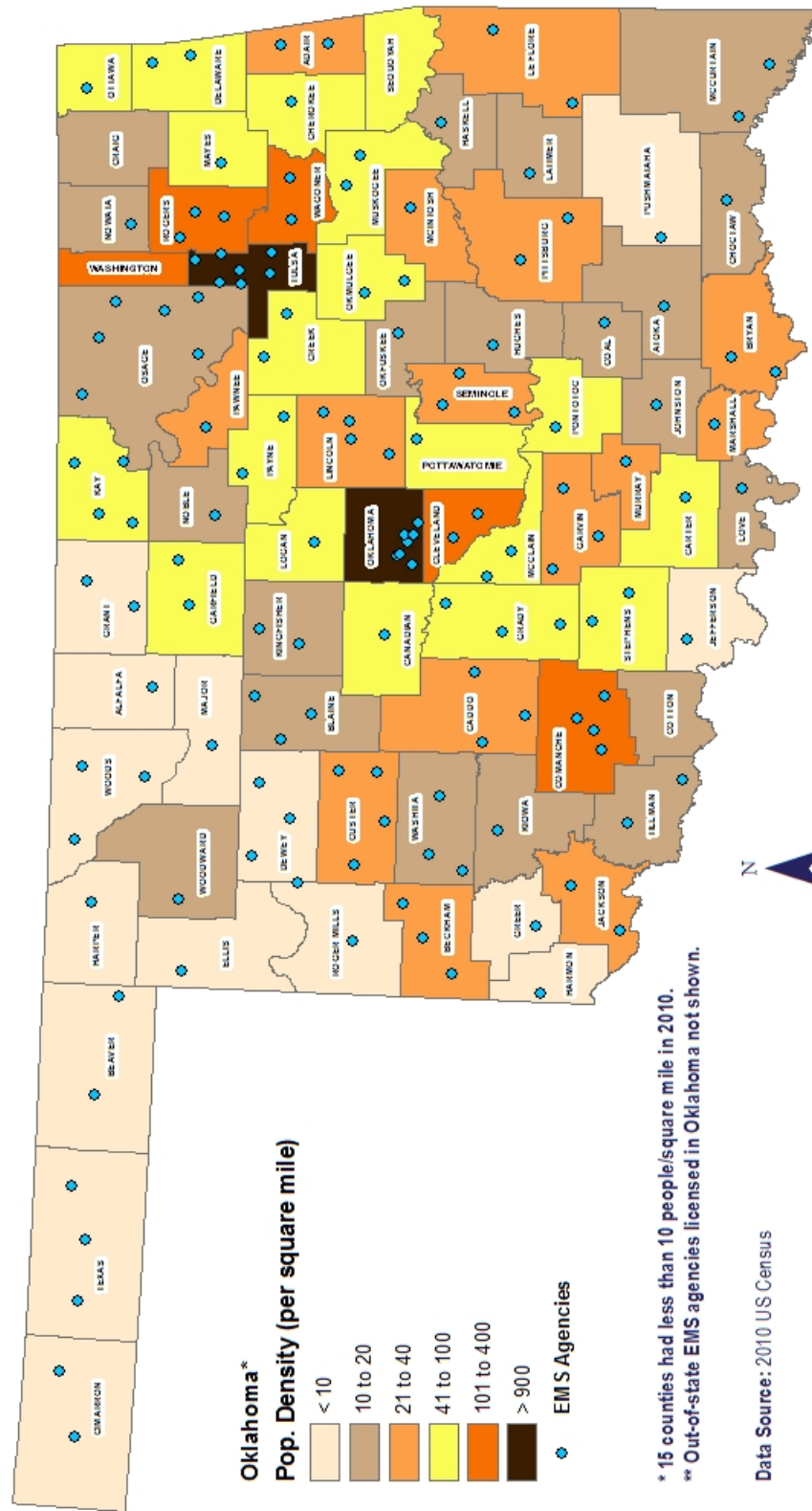
**Large percent decrease due to missing runs in the state database.

Oklahoma Population Changes by Zip Code* and County**, 2011-2015



Map 1

2010 Oklahoma Population Density



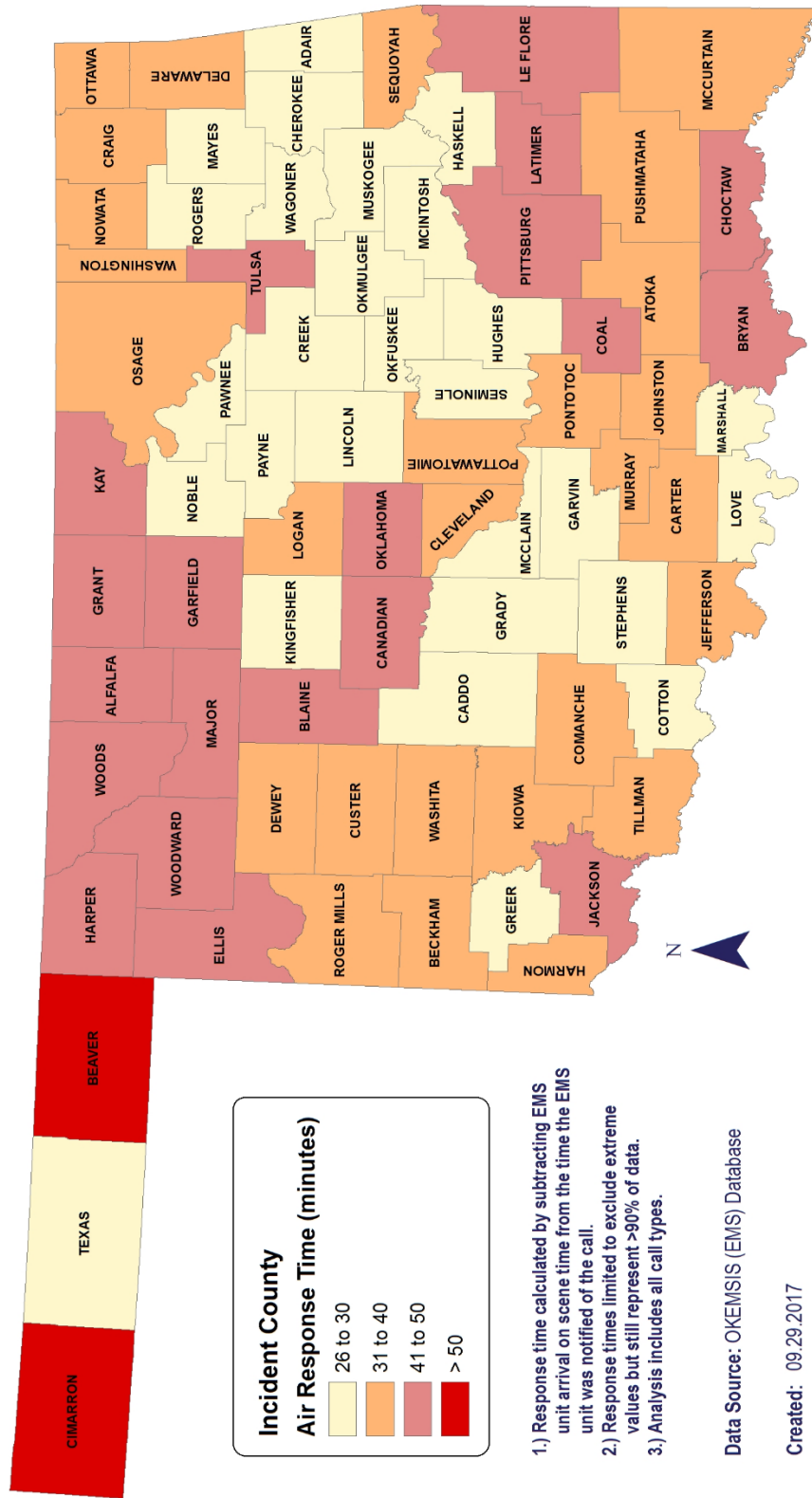
Disclaimer: This map is a compilation of records, information and data from various city, county and state offices and other sources, affecting the area shown, and is the best representation of the data available at the time. The map and data are to be used for reference purposes only. The user acknowledges and accepts all inherent limitations of the map, including the fact that the data are dynamic and in a constant state of maintenance.



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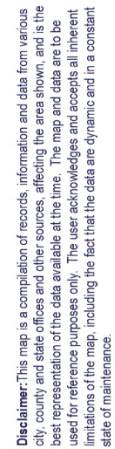
Map 2

Oklahoma EMS Service Calls by Service Type, Air Response Time, 2015



Map 3

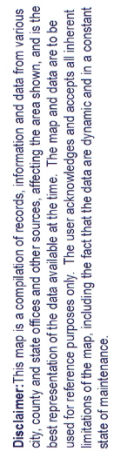
Map 4



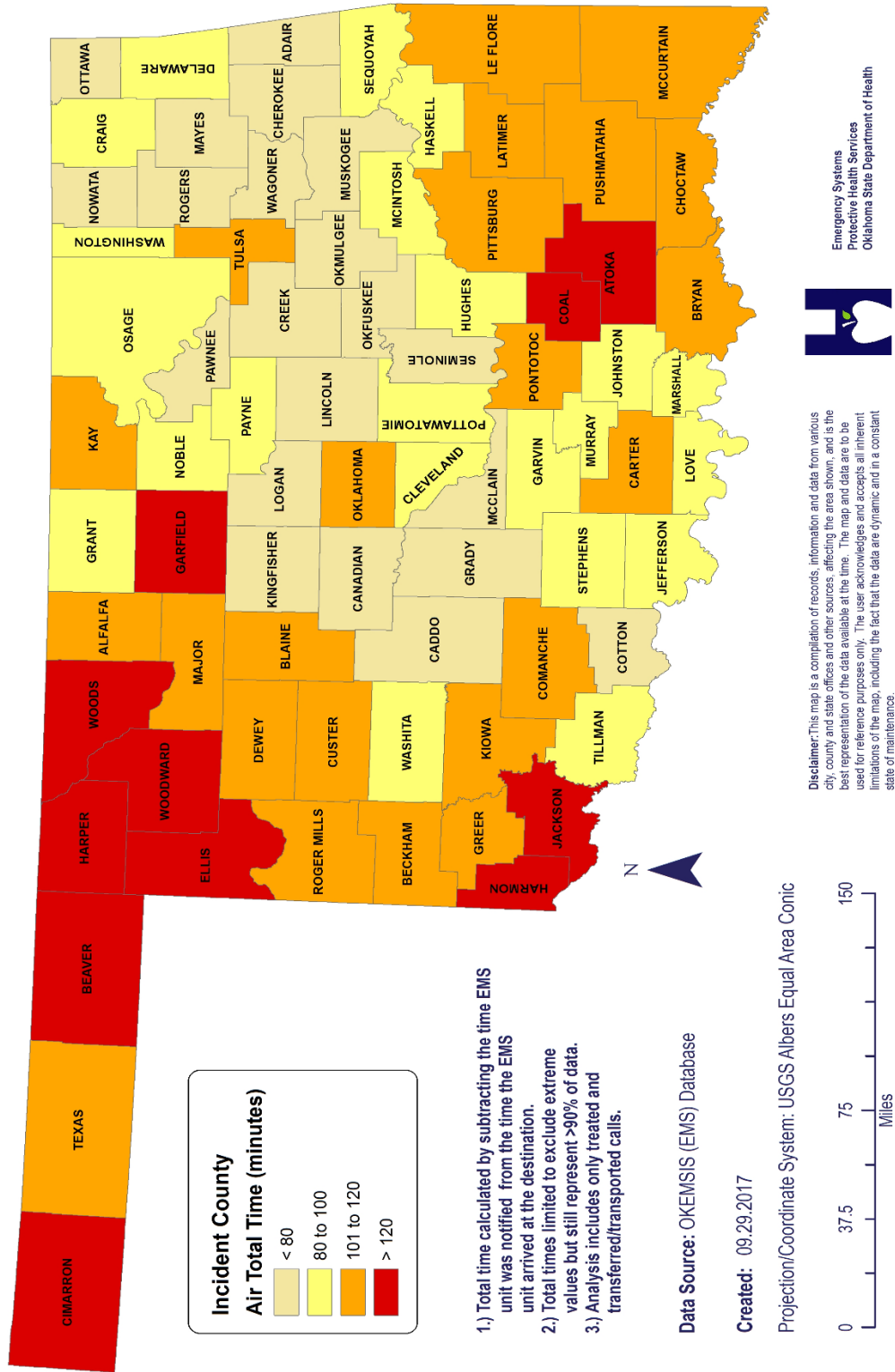
Map 5



Map 6

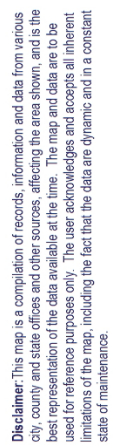


Oklahoma EMS Service Calls by Service Type, Air Total Time, 2015

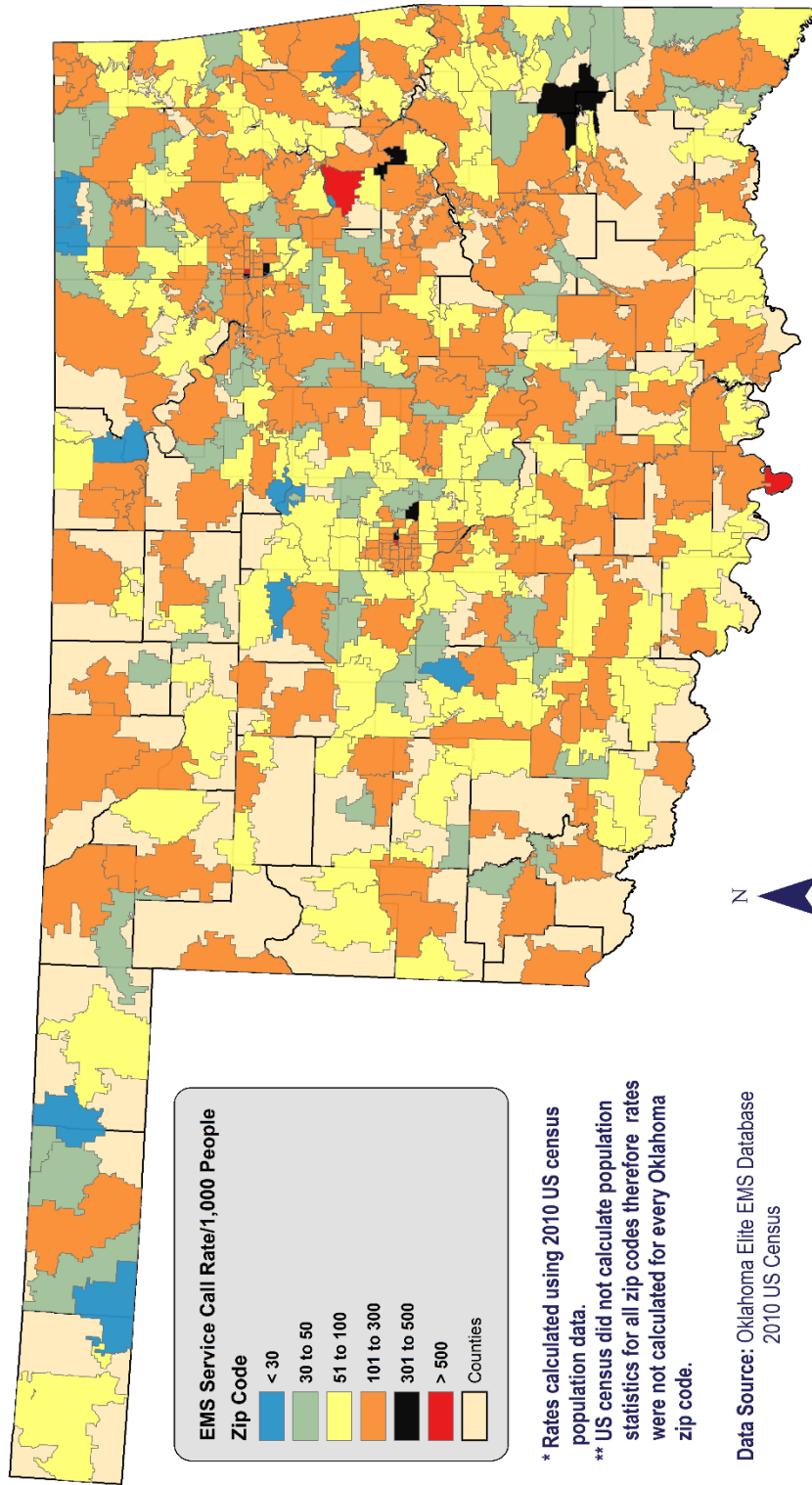


Map 7

Map 8



EMS Service Call Rate/1,000 Population, Zip Codes > 1,000 Population, 2011-2015



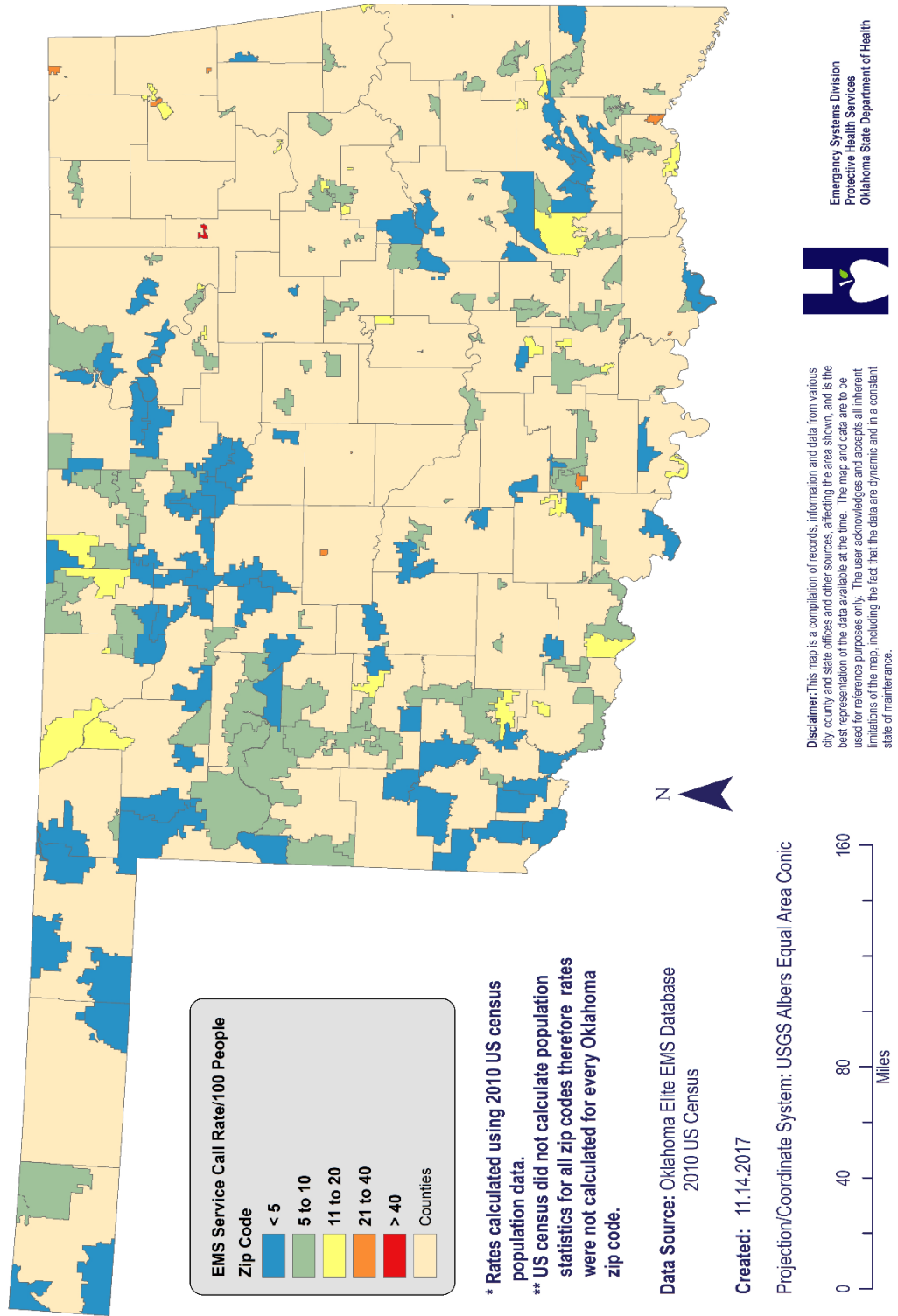
Disclaimer: This map is a compilation of records, information and data from various city, county and state offices and other sources, affecting the area shown, and is the best representation of the data available at the time. The map and data are to be used for reference purposes only. The user acknowledges and accepts all inherent limitations of the map, including the fact that the data are dynamic and in a constant state of maintenance.



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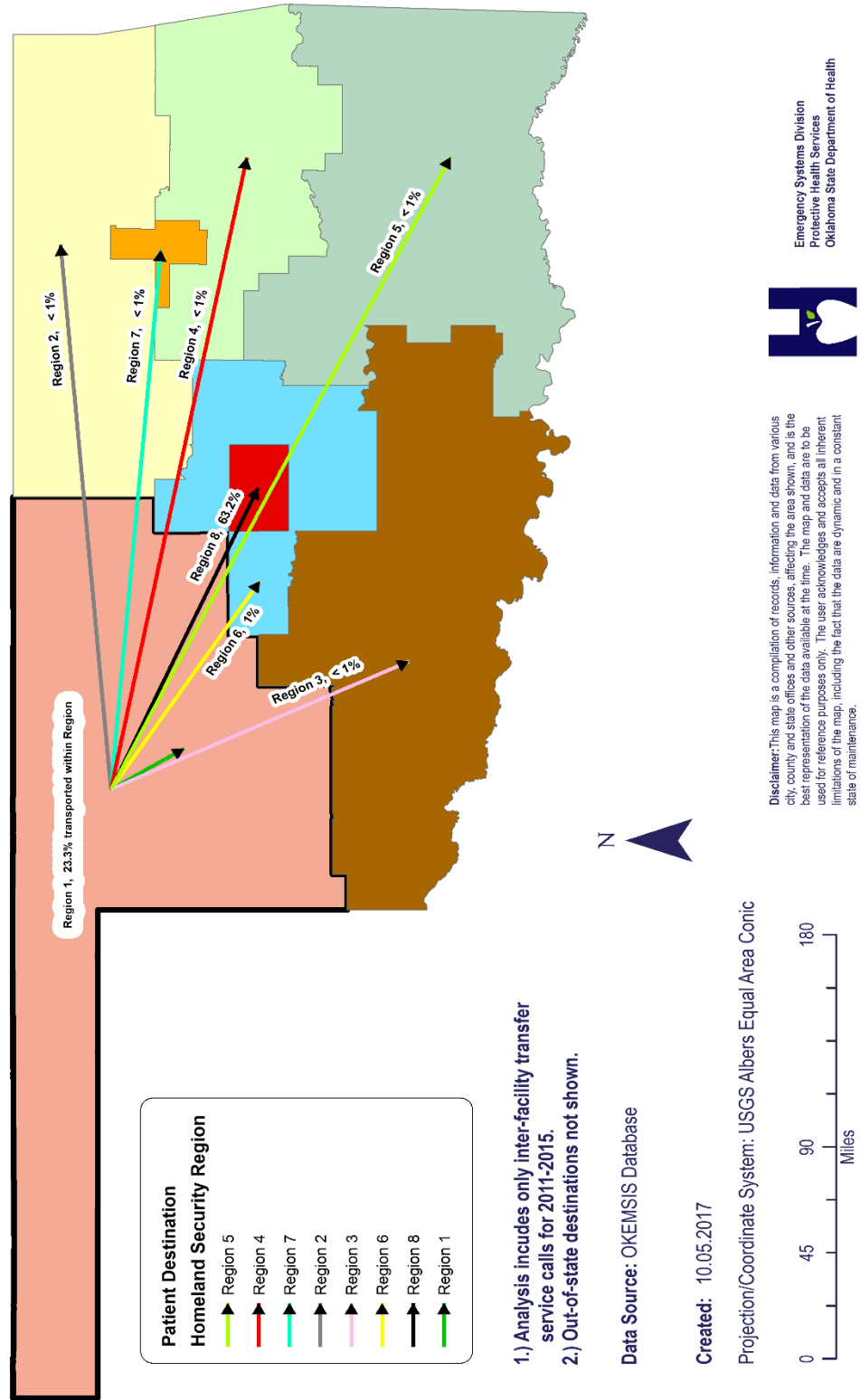
Map 9

EMS Service Call Rate/100 Population, Zip Codes < 1,000 Population, 2011-2015



Map 10

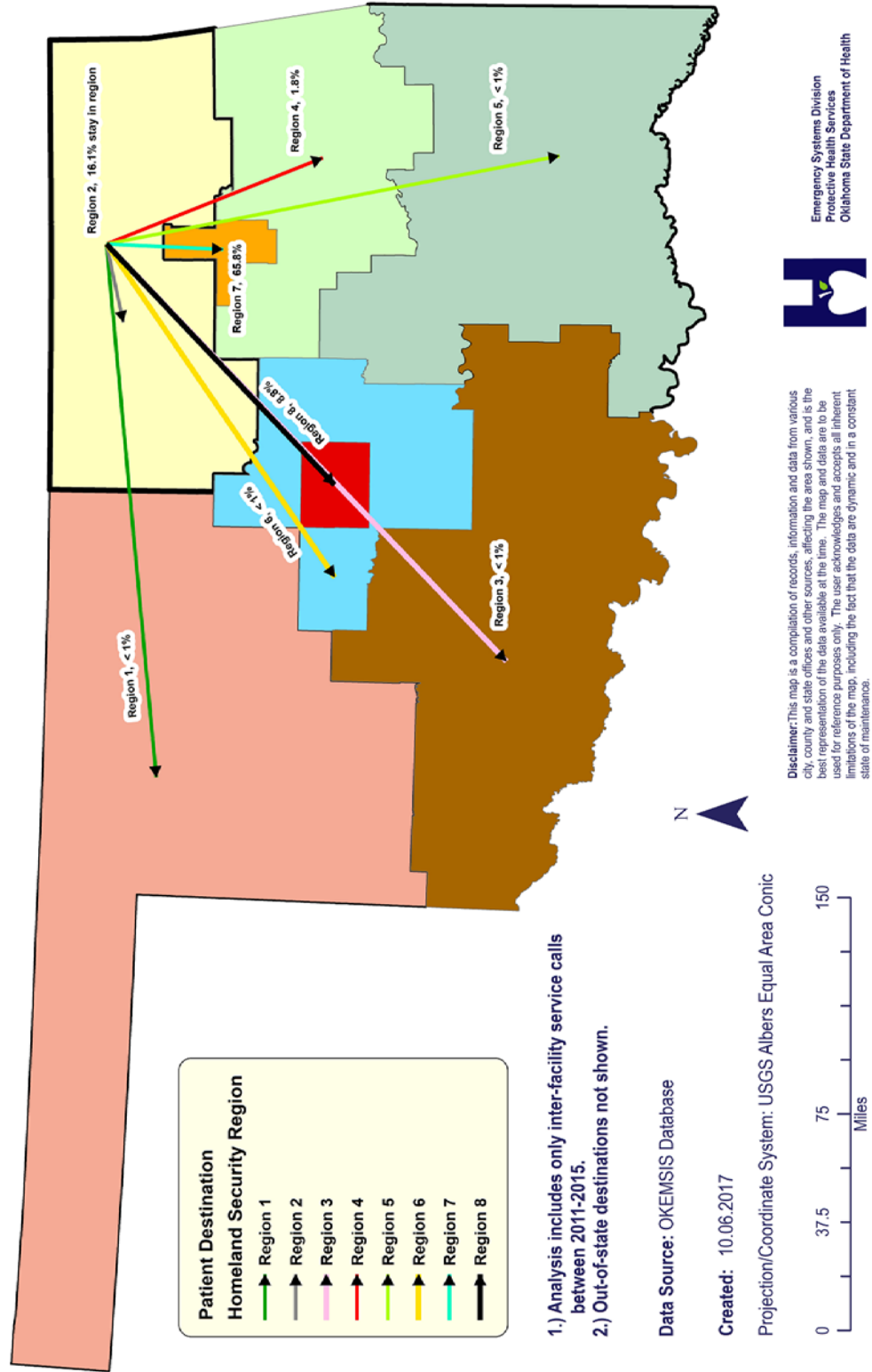
EMS Service Calls by Patient Destination, Region 1 Inter-Facility Transfers, 2011-2015



- 1.) Analysis includes only inter-facility transfer service calls for 2011-2015.
- 2.) Out-of-state destinations not shown.

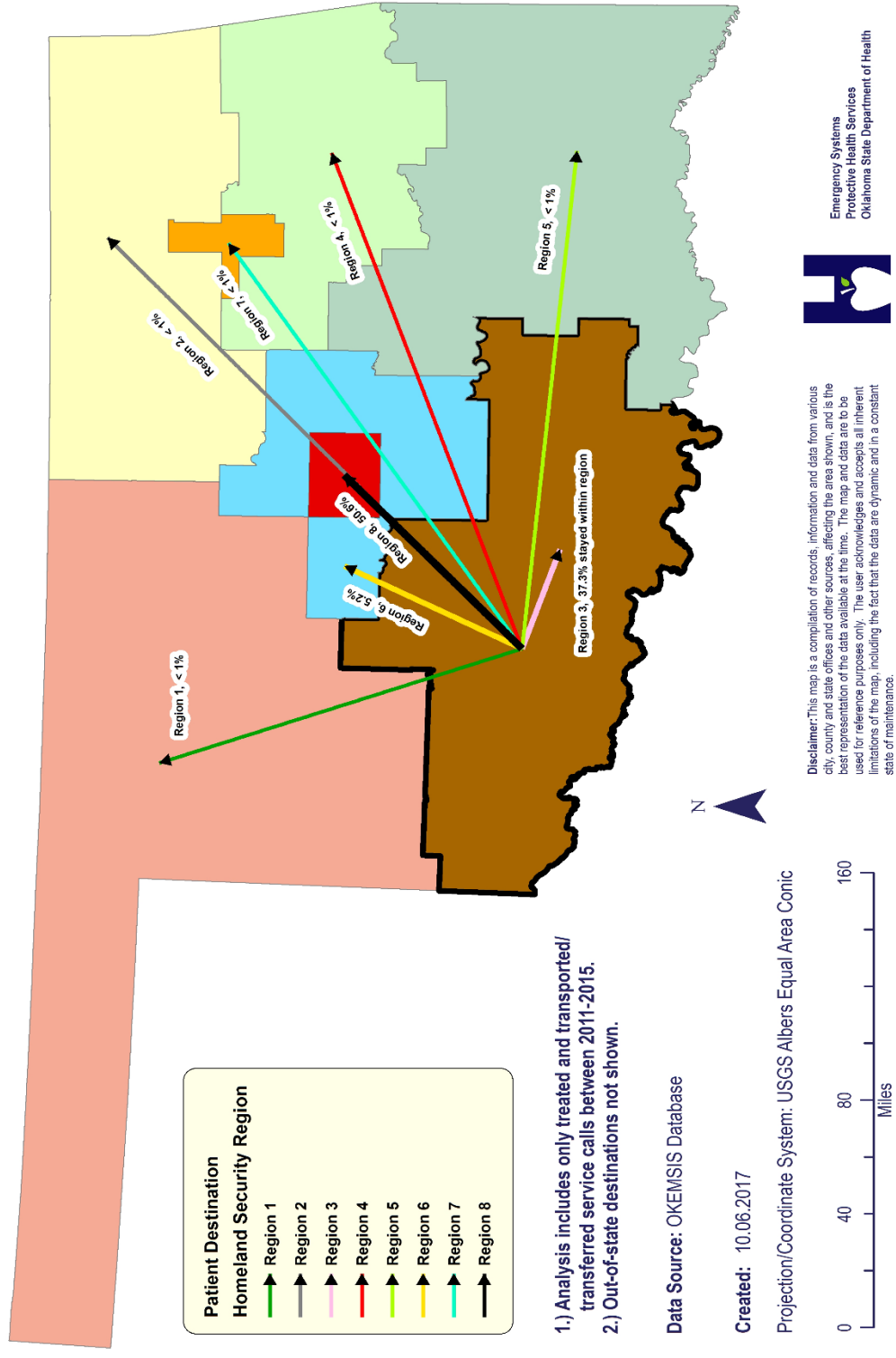
Map 11

EMS Service Calls by Patient Destination, Region 2 Inter-Facility Transfers, 2011-2015



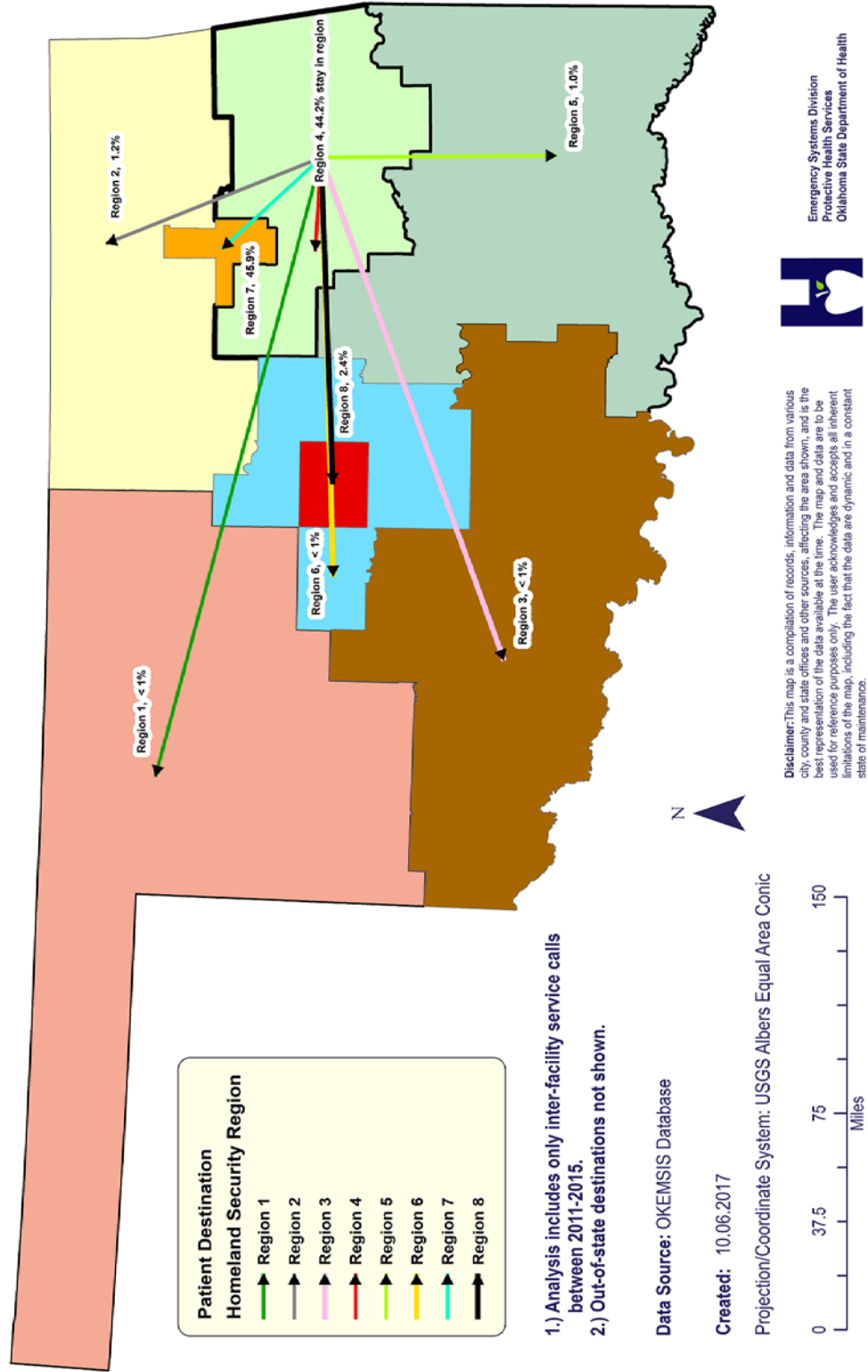
Map 12

EMS Service Calls by Patient Destination, Region 3 Inter-Facility Transfers, 2011-2015



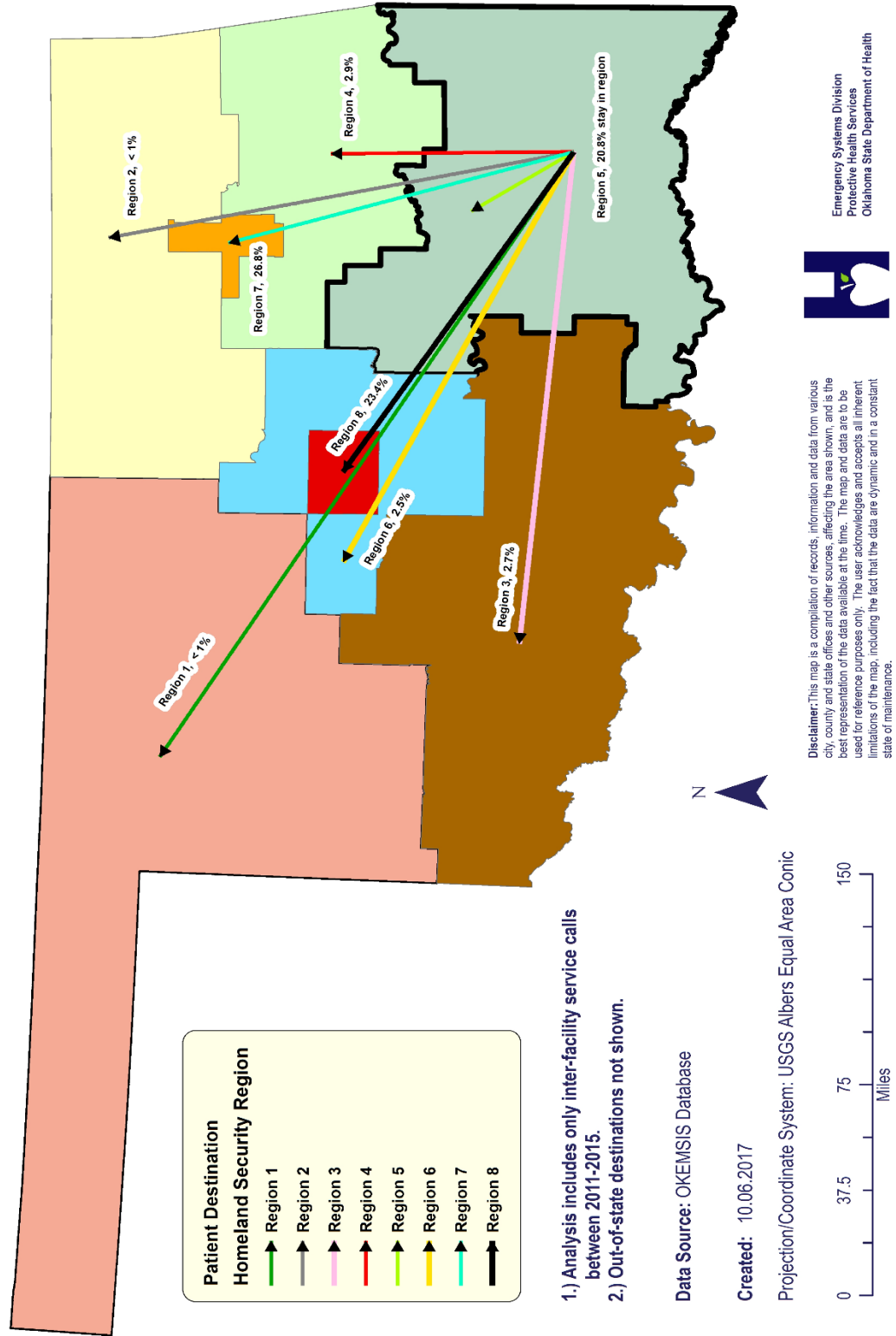
Map 13

EMS Service Calls by Patient Destination, Region 4 Inter-Facility Transfers, 2011-2015



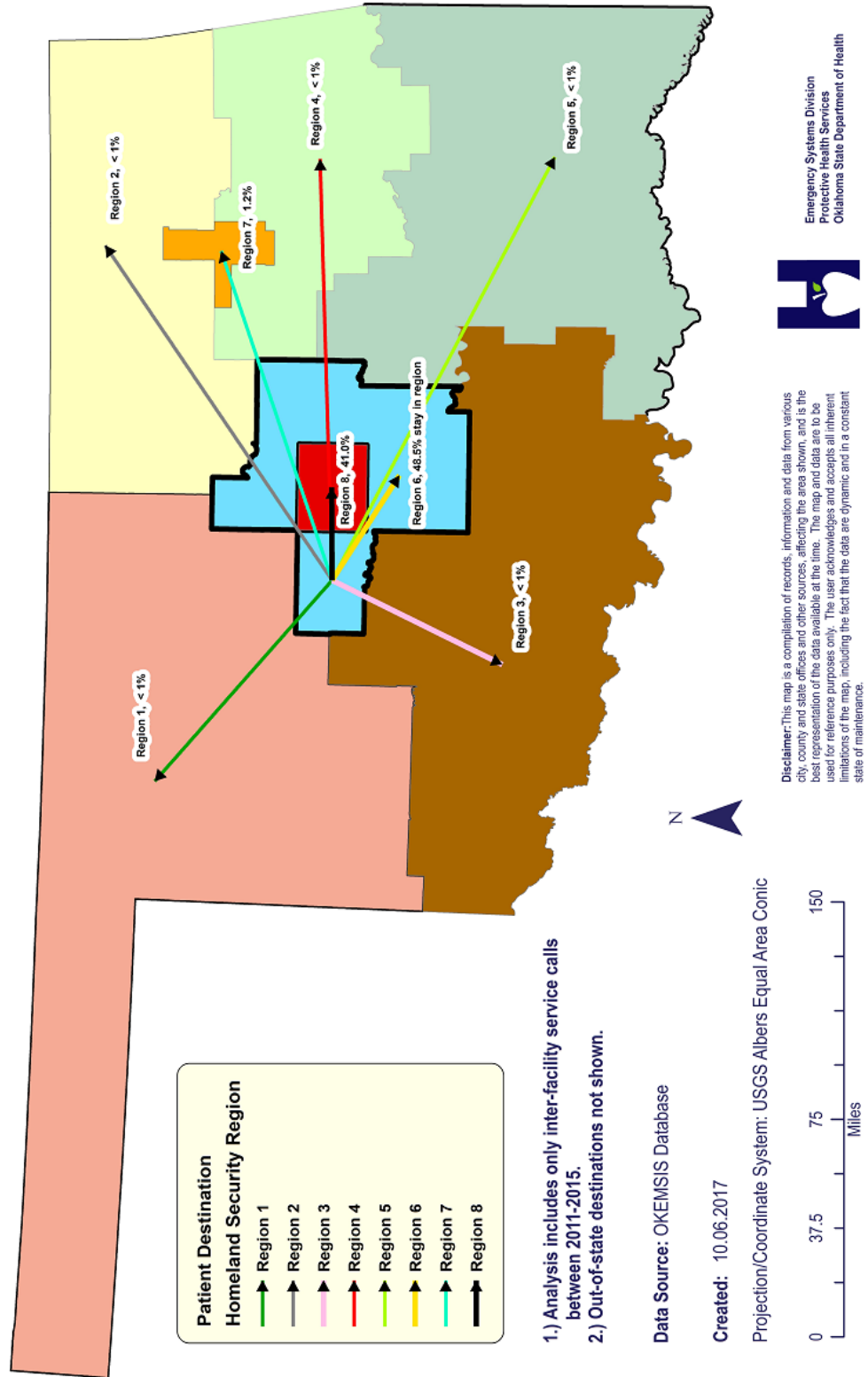
Map 14

EMS Service Calls by Patient Destination, Region 5 Inter-Facility Transfers, 2011-2015



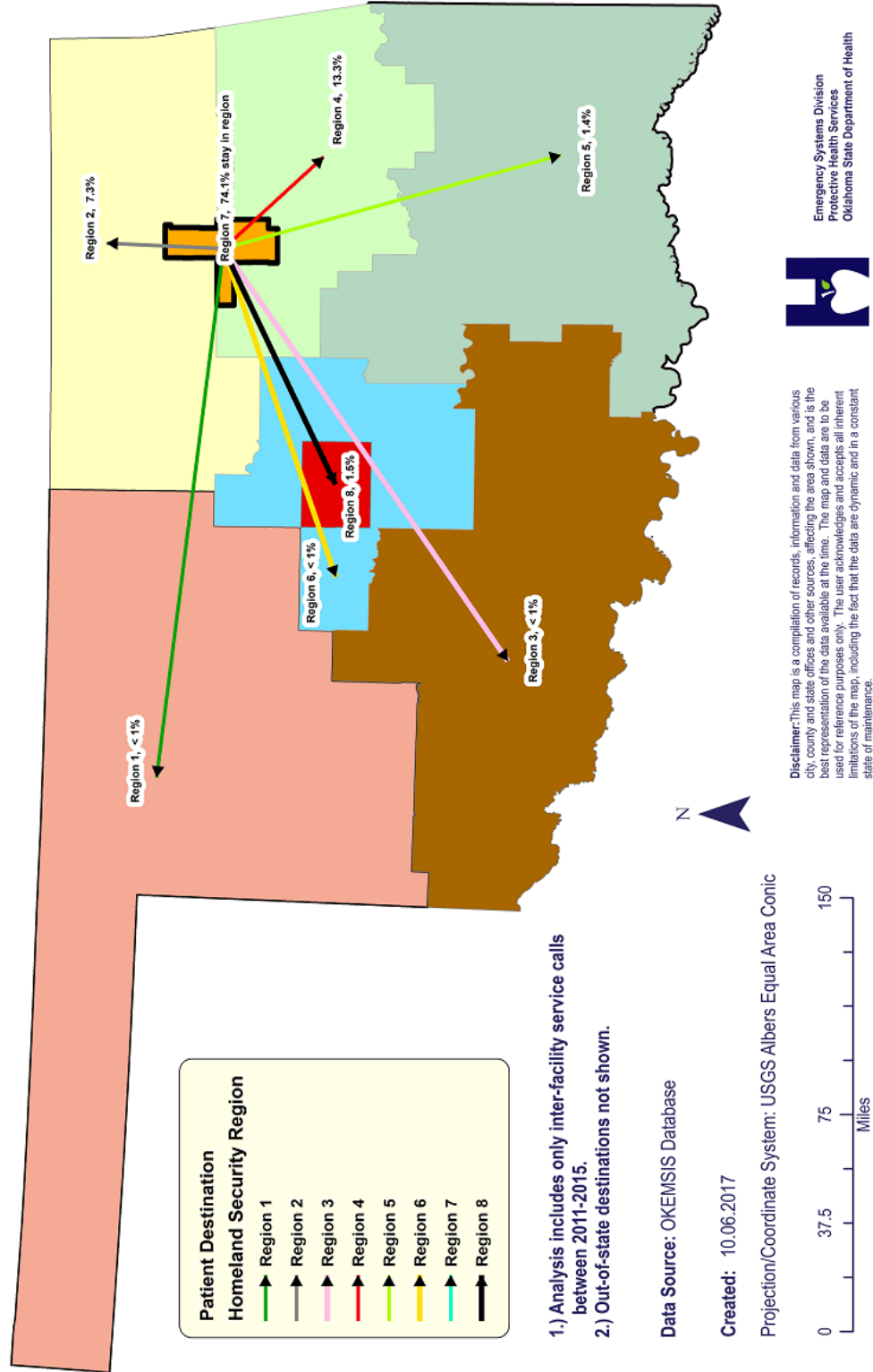
Map 15

EMS Service Calls by Patient Destination, Region 6 Inter-Facility Transfers, 2011-2015



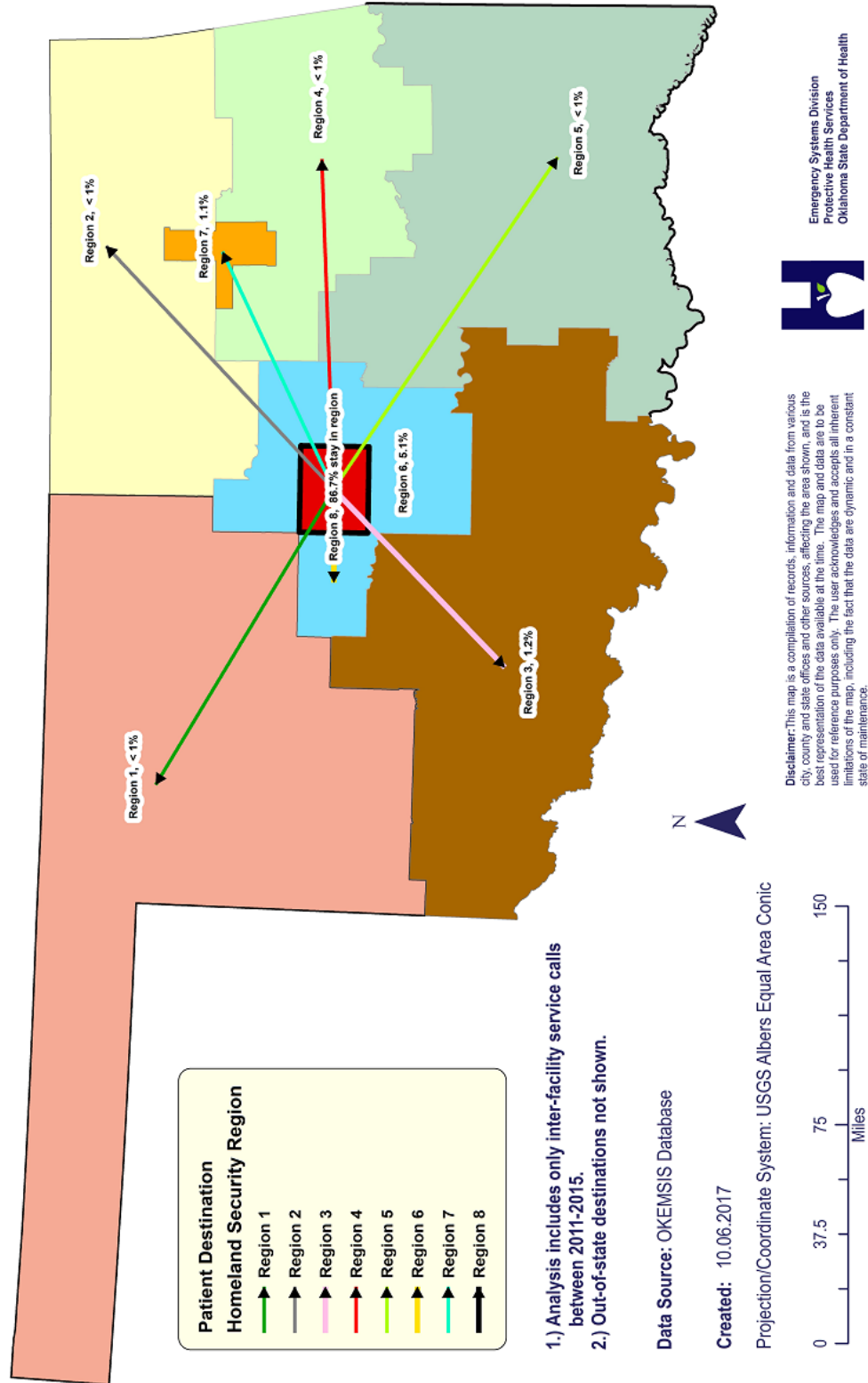
Map 16

EMS Service Calls by Patient Destination, Region 7 Inter-Facility Transfers, 2011-2015



Map 17

EMS Service Calls by Patient Destination, Region 8 Inter-Facility Transfers, 2011-2015



Map 18

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