EMT and Paramedics (TOP 1250.00 & 1251.00)

October 2024

Prepared by the South Central Coast Center of Excellence for Labor Market Research

Program Recommendation

This report was compiled by the South Central Coast[1] Center of Excellence to provide regional labor market data for the program recommendation – EMT and Paramedics. This report can help determine whether there is demand in the local labor market that is not being met by the supply from programs of study that align with these occupations:

- Emergency Medical Technicians

- Paramedics

Key Findings

- In 2023, there were 1,889 jobs for the two occupations of interest in the South Central Coast Region.

- This number is expected to increase by 22% through 2028.

- Projections show approximately 214 annual openings in the region. Although there were 420 awards conferred in relevant programs, only 23 awards were for Associate degrees.

- According to the Bureau of Labor Statistics, Emergency Medical Technicians and Paramedics typically require a postsecondary nondegree award.

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[1] The South Central Coast Region consists of San Luis Obispo County, Santa Barbara County, Ventura County, and the following cities from North Los Angeles County: Canyon Country, Castaic, Lake Hughes, Lancaster, Littlerock, Llano, Newhall, Palmdale, Pearblossom, Santa Clarita, Stevenson Ranch, and Valencia.

Occupation Codes and Descriptions

There are two occupations in the standard occupational classification (SOC) system that were identified for this analysis. The occupation titles and descriptions, as well as reported job titles, are included in Exhibit 1.

Exhibit 1 – Occupation, Description, and Sample Job Titles

SOC Code	Title	Description	Sample of Reported Job Titles
29-2042	**Emergency Medical Technicians**	Assess injuries and illnesses and administer basic emergency medical care. May transport injured or sick persons to medical facilities.	Emergency Medical Technician (EMT), First Responder
29-2043	**Paramedics**	Administer basic or advanced emergency medical care and assess injuries and illnesses. May administer medication intravenously, use equipment such as EKGs, or administer advanced life support to sick or injured individuals.	First Responder, Flight Paramedic

Source: O*NET Online

Current and Future Employment

In the South Central Coast region, the number of jobs for EMT and Paramedics is expected to increase 22% through 2028. Approximately 214 annual openings are expected through 2028.

**Exhibit 2 – Five-Year Projections for EMT and Paramedics
in the South Central Coast Region**

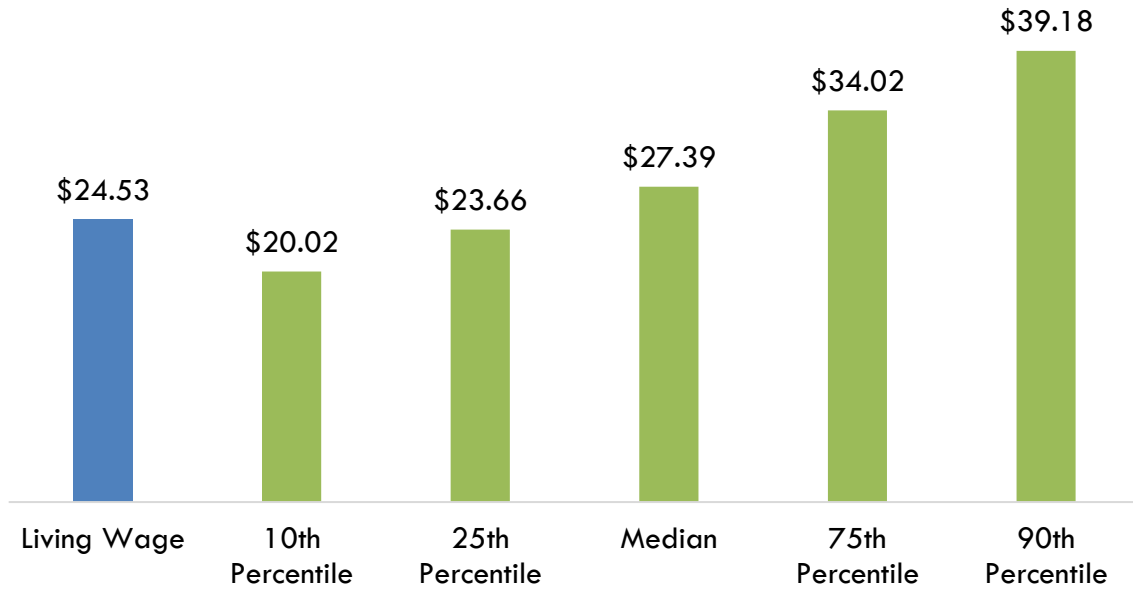| SOC	Occupation	2023 Jobs	2028 Jobs	2023-2028 Change	2023-2028 % Change	Annual Openings
29-2042	Emergency Medical Technicians	1,284	1,578	294	23%	158
29-2043	Paramedics	605	732	127	21%	56
		1,889	**2,310**	**421**	**22%**	**214**

Source: Lightcast™ Analyst 2023

Earnings

Exhibit 3 contains hourly wages for the occupations of interest. Entry-level hourly earnings are represented by the 25th percentile of wages, median hourly earnings are represented by the 50th percentile of wages, and experienced hourly earnings are represented by the 75th percentile of wages, demonstrating various levels of employment.

Exhibit 3 – Earnings for EMT and Paramedics in the South Central Coast Region

SOC	Occupation	Entry-Level Hourly Earnings	Median Hourly Earnings	Experienced Hourly Earnings
29-2042	Emergency Medical Technicians	$18.08	$22.74	$28.65
29-2043	Paramedics	$29.25	$32.04	$39.39

Source: Lightcast™ Analyst 2023

**Exhibit 3b – Earnings for EMT and Paramedics
in the South Central Coast Region**

$24.53	$20.02	$23.66	$27.39	$34.02	$39.18
Living Wage	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile

Source: Family Needs Calculator (Living wage is based on Single Adult households with no children); Lightcast™ Analyst 2023

Employer Job Postings

In this research brief, real-time labor market information is used to provide a more nuanced view of the current job market, as it captures job advertisements for the occupations relevant to the field of study. Employer job postings are consulted to understand who is looking for professionals in a given field, and what they are looking for in potential candidates. To identify relevant job postings, the following occupations were used:

29-2042	Emergency Medical Technicians
29-2043	Paramedics

Top Occupations

Over the past 12 months (October 2023 to September 2024), there have been 202 employer job postings for EMT and Paramedics.

Exhibit 4 – Job Postings by Occupation

SOC Code	Occupation	Job Postings, Last 12 months
29-2043	Paramedics	120
29-2042	Emergency Medical Technicians	82
	Total	**202**

Source: Lightcast™ Analyst 2023

Top Titles

The top job titles for employers posting ads for EMT and Paramedics are listed in Exhibit 5.

Exhibit 5 – Job Titles

Title	Job Postings, Last 12 months
Paramedics	92
Emergency Medical Technicians	31
Emergency Response Managers	17
Medical Transportation Drivers	17
Flight Nurses	16
Flight Paramedics	11
Emergency Medical Technician Paramedics	10
Paramedic Instructors	8

Source: Lightcast™ Analyst 2023

Top Employers

Exhibit 6 lists the major employers hiring professionals in the field of interest. The top employer posting job ads was AMR. The top worksite cities for these jobs were Oxnard, Moorpark, Santa Maria, and Santa Barbara.

Exhibit 6 – Top Employers

Employer	Job Postings, Last 12 months
AMR	89
Global Medical Response	47
Care Connection Transport Services	21
Reach Air Medical Services	19
CommonSpirit Health	18

Source: Lightcast™ Analyst 2023

Skills

The tables in Exhibit 7 list employers' most commonly requested skills in job postings related to EMT and Paramedics. Ambulances is the most sought-after specialized skill for employers. Management was the most requested baseline skill. Microsoft Excel was the most requested software and programming skill.

Exhibit 7 – Specialized Skills

Skills	Job Postings, Last 12 months
Ambulances	122
Cardiopulmonary Resuscitation (CPR)	119
Medical Equipment	118
Emergency Medical Services	117
Triage	96
Electrocardiography	94
Intravenous Hydration	93
Defibrillation	93
Billing	87
Prescription Labeling	84

Source: Lightcast™ Analyst 2023

Exhibit 7b – Baseline Skills

Skills	Job Postings, Last 12 months
Management	96
Good Driving Record	95
Map Reading	84
Communication	41
Professionalism	40
Customer Service	29
Adaptability	25
Decision Making	25
Writing	25
Lifting Ability	9

Source: Lightcast™ Analyst 2023

Exhibit 7c – Software and Programming Skills

Skills	Job Postings, Last 12 months
Microsoft Excel	16
Microsoft Office	12
Microsoft Outlook	11
Microsoft Word	10

Source: Lightcast™ Analyst 2023

Education and Training

Exhibit 8 shows the typical entry-level education requirement for EMT and Paramedics along with the typical on-the-job training needed to attain competency in the occupation.

Exhibit 8 – Education and Training Requirements

SOC	Occupation	Typical entry-level education	Typical on-the-job training
29-2042	Emergency Medical Technicians	Postsecondary nondegree award	None
29-2043	Paramedics	Postsecondary nondegree award	None

Source: Bureau of Labor Statistics Employment Projections (Educational Attainment)

Regional Completions and Openings

Between 2020 and 2023, there were 420 awards conferred in the South Central Coast region aligned with the programs that have historically trained for the occupations of interest.

Exhibit 9 – Three-Year Average of Awards Conferred in the Region

TOP/CIP Code	Program	3-Year Average (2020-2023)
1250.00	Emergency Medical Services	353
1251.00	Paramedic	67
51.0904	Emergency Medical Technology/Technician (EMT Paramedic)	-
	Average	**420**

Source: Datamart and IPEDS

CCC Awards

Exhibit 10 shows the average number of awards granted by community colleges within programs historically dedicated to training for EMT and Paramedics.

Exhibit 10 – CCC Awards in the South Central Coast Region, 2020-2023 Average

CCC Programs	3-Year Average
Allan Hancock	74
Canyons	82
Cuesta	145
Moorpark	28
Oxnard	53
Ventura	38

Source: DataMart, 2023

Sources

O*Net Online, Lightcast™ Analyst 2023, MIT Living Wage Calculator, Bureau of Labor Statistics (BLS) Education Attainment, California Community Colleges Chancellor's Office Management Information Systems (MIS) Data Mart, CTE LaunchBoard, Statewide CTE Outcomes Survey, Employment Development Department Unemployment Insurance Dataset

Notes

Data included in this analysis represent the labor market demand for relevant positions most closely related to EMT and Paramedics. Traditional labor market information was used to show current and projected employment based on data trends, as well as annual average awards granted by regional community colleges. Real-time labor market information captures job post advertisements for occupations relevant to the field of study and can signal demand and show what employers are looking for in potential employees, but is not a perfect measure of the quantity of open positions. All representations have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. The most recent data available at the time of the analysis was examined; however, data sets are updated regularly and may not be consistent with previous reports. Efforts have been made to qualify and validate the accuracy of the data and findings; however, neither the Centers of Excellence for Labor Market Research (COE), COE host district, nor California Community Colleges Chancellor's Office are responsible for the applications or decisions made by individuals and/or organizations based on this study or its recommendations.