Paramedicine
Occupation Report

CIP 51.0904

Cochise, Pima, SC

Emergency Medical Technology/Technician (EMT Paramedic)

CIP 2010: A program that prepares individuals, under the remote supervision of physicians, to recognize, assess, and manage medical emergencies in prehospital settings and to supervise Ambulance personnel. Includes instruction in basic, intermediate, and advanced EMT procedures; emergency surgical procedures; medical triage; rescue operations; crisis scene management and personnel supervision; equipment operation and maintenance; patient stabilization, monitoring, and care; drug administration; identification and preliminary diagnosis of diseases and injuries; communication and computer operations; basic anatomy, physiology, pathology, and toxicology; and professional standards and regulations.
* Program Description – Settings

Occupation Gender Breakdown 2016

	Gender	Jobs	Percent	
●	Males	299	63.0%	
●	Females	176	37.0%	

Occupation Age Breakdown 2016

	Age	Jobs	Percent	
●	14-18	1	0.1%	
●	19-24	52	11.0%	
●	25-34	165	34.8%	
●	35-44	126	26.5%	
●	45-54	78	16.4%	
●	55-64	43	9.1%	
●	65+	10	2.2%	

Occupation Summary for 51.0904

475	13.9%	$19.77/hr
Jobs (2016)	**% Change (2018-2023)**	**Median Hourly Earnings**
40% below National average	Nation: 10.9%	Nation: $15.35/hr

October 10, 2017

Occupation Change Summary
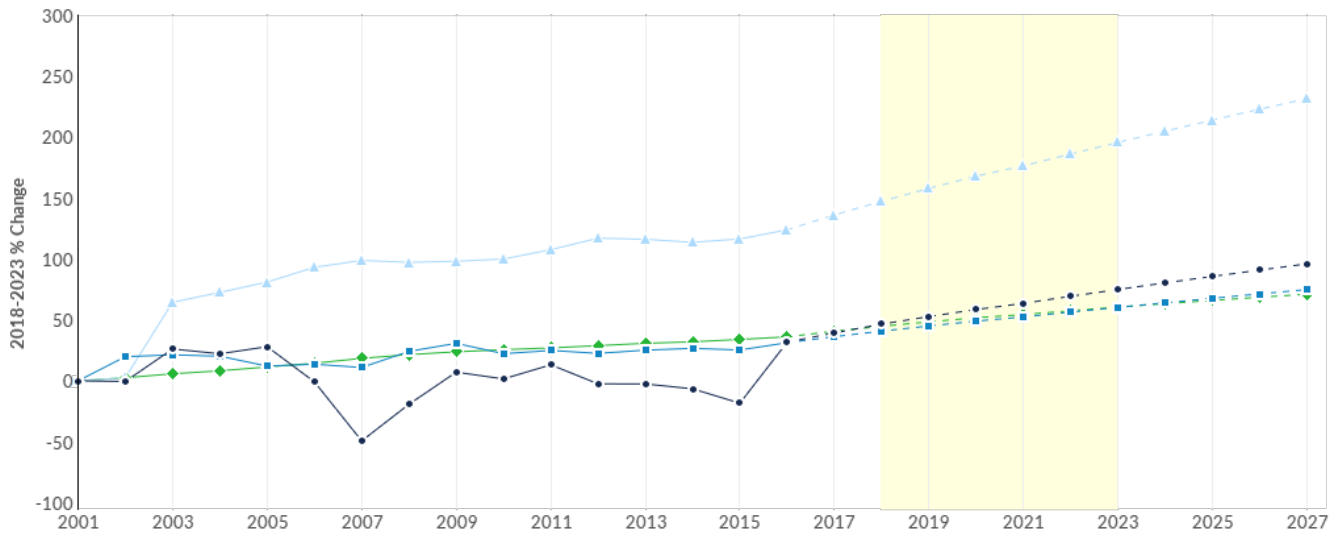
	Region	2018 Jobs	2023 Jobs	Change	% Change	Median Hourly Earnings
●	Cochise County, AZ	91	109	18	20%	$12.98
●	Cochise, Pima, SC	509	580	71	14%	$19.77
●	Arizona (AZ)	4,904	5,862	958	20%	$15.11
●	United States	280,644	311,178	30,534	11%	$15.35

SOC	Description	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
29-2041	Emergency Medical Technicians and Paramedics	Postsecondary non-degree award	None	None
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	High school diploma or equivalent	None	Moderate-term on-the-job training

Occupation Breakdown - 2018 Jobs

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
29-2041	Emergency Medical Technicians and Paramedics	89	498	4,567	261,107
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	<10	11	337	19,538
	Total	91	509	4,904	280,644

October 10, 2017

Occupation Breakdown - 2023 Jobs

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
29-2041	Emergency Medical Technicians and Paramedics	106	564	5,443	289,108
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	<10	16	419	22,070
	Total	109	580	5,862	311,178

Occupation Breakdown - Change

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
29-2041	Emergency Medical Technicians and Paramedics	17	66	876	28,001
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	--	5	82	2,532
	Total	18	71	958	30,534

Occupation Breakdown - Median Hourly Earnings

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
29-2041	Emergency Medical Technicians and Paramedics	$13.04	$19.89	$15.51	$15.71
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	--	--	$9.20	$11.46
	Total	$12.97	$19.70	$15.09	$15.42

October 10, 2017

Top Industries – Change from 2018 - 2023

NAICS Code	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
621910	Ambulance Services	17	40	742	24,025
621111	Offices of Physicians (except Mental Health Specialists)	--	--	5	182
622110	General Medical and Surgical Hospitals	--	13	62	1,480
903612	Colleges, Universities, and Professional Schools (Local Government)	--	--	--	25
903999	Local Government, Excluding Education and Hospitals	--	9	77	2,557
	Total	17	61	884	28,268

Source: QCEW Employees, Non-QCEW Employees & Self-Employed - Emsi 2017.3 Class of Worker

National Educational Attainment
Emergency Medical Technicians and Paramedics (29-2041)

	Education Level	2016 Percent	
●	Less than high school diploma	0.8%	
●	High school diploma or equivalent	13.9%	
●	Some college, no degree	46.9%	
●	Associate's degree	21.4%	
●	Bachelor's degree	14.9%	
●	Master's degree	1.6%	
●	Doctoral or professional degree	0.5%	

* National Educational Attainment – Settings

National Educational Attainment
Ambulance Drivers and Attendants, Except Emergency Medical Technicians (53-3011)

	Education Level	2016 Percent	
●	Less than high school diploma	8.9%	
●	High school diploma or equivalent	41.6%	
●	Some college, no degree	29.3%	
●	Associate's degree	8.9%	
●	Bachelor's degree	9.4%	
●	Master's degree	1.9%	
●	Doctoral or professional degree	0.0%	

* National Educational Attainment - Settings

October 10, 2017

Appendix A - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Industry Data

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

State Data Sources

This report uses state data from the following agencies: Arizona Department of Administration, Office of Employment and Population Statistics

October 10, 2017