

Exercise Science, HPE, Recreation and Wellness Occupation Report

CIP 31.0501

Cochise, Pima, SC

Health and Physical Education/Fitness, General

CIP 2010: A general program that focuses on activities and principles that promote physical fitness, achieve and maintain athletic prowess, and accomplish related research and service goals. Includes instruction in human movement studies, motivation studies, rules and practice of specific sports, exercise and fitness principles and techniques, basic athletic injury prevention and treatment, and organizing and leading fitness and sports programs. * *Program Description – Settings*

Occupation Gender Breakdown 2016

	Gender	Jobs	Percent
•	Males	964	50.2%
•	Females	958	49.8%

Occupation Age Breakdown 2016

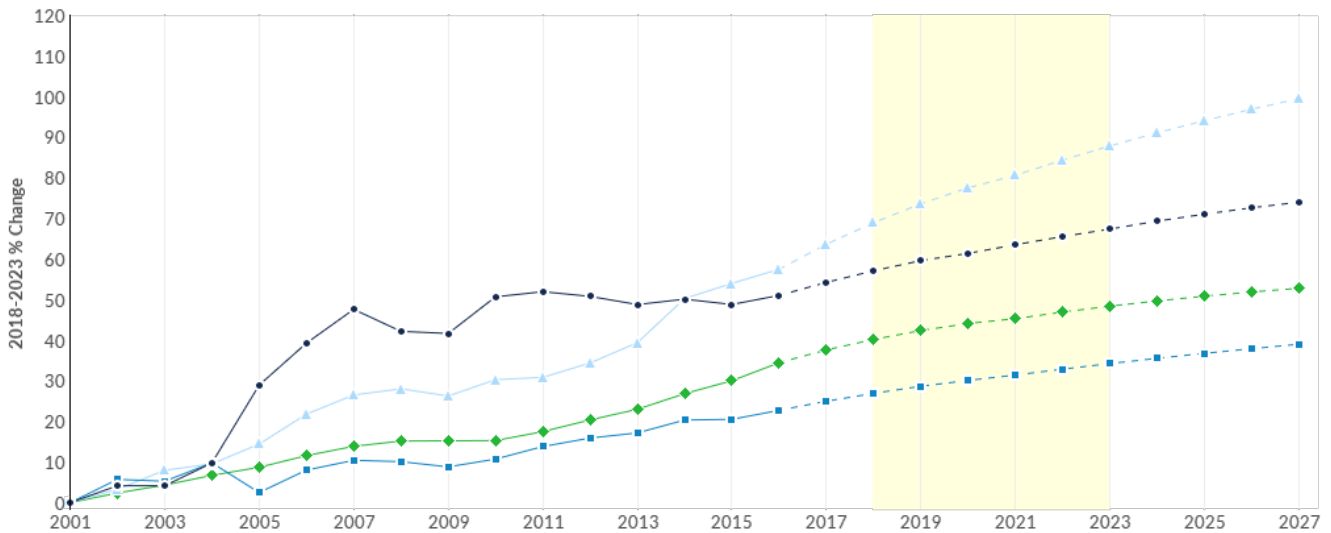
	Age	Jobs	Percent
•	14-18	92	4.8%
•	19-24	324	16.9%
•	25-34	452	23.5%
•	35-44	418	21.7%
•	45-54	301	15.7%
•	55-64	216	11.2%
•	65+	119	6.2%

Occupation Summary for 31.0501

1,922 Jobs (2016) 7% above National average	5.8% % Change (2018-2023) Nation: 5.8%	\$15.45/hr Median Hourly Earnings Nation: \$16.82/hr
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October 10, 2017

Occupation Change Summary



Region	2018 Jobs	2023 Jobs	Change	% Change	Median Hourly Earnings
● Cochise County, AZ	114	121	7	6%	\$17.45
● Cochise, Pima, SC	1,987	2,102	115	6%	\$15.45
● Arizona (AZ)	11,634	12,936	1,302	11%	\$17.39
● United States	628,477	665,159	36,682	6%	\$16.82

SOC	Description	Typical Entry Level Education	Work Experience Required	Typical On-The-Job Training
27-2021	Athletes and Sports Competitors	No formal educational credential	None	Long-term on-the-job training
27-2022	Coaches and Scouts	Bachelor's degree	None	None
39-9031	Fitness Trainers and Aerobics Instructors	High school diploma or equivalent	None	Short-term on-the-job training

Occupation Breakdown - 2018 Jobs

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
39-9031	Fitness Trainers and Aerobics Instructors	68	1,147	7,040	330,199
27-2022	Coaches and Scouts	43	815	4,127	281,218
27-2021	Athletes and Sports Competitors	<10	26	468	17,061
	Total	114	1,987	11,634	628,477

Occupation Breakdown - 2023 Jobs

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
39-9031	Fitness Trainers and Aerobics Instructors	72	1,223	7,859	350,874
27-2022	Coaches and Scouts	47	853	4,578	296,341
27-2021	Athletes and Sports Competitors	<10	27	499	17,944
	Total	121	2,102	12,936	665,159

Occupation Breakdown - Change

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
27-2022	Coaches and Scouts	4	38	451	15,123
39-9031	Fitness Trainers and Aerobics Instructors	4	76	819	20,675
27-2021	Athletes and Sports Competitors	--	1	31	883
	Total	7	115	1,302	36,682

Occupation Breakdown - Median Hourly Earnings

Occupation	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
27-2022	Coaches and Scouts	\$18.20	\$14.15	\$14.76	\$15.13
39-9031	Fitness Trainers and Aerobics Instructors	\$18.08	\$16.58	\$19.41	\$18.34
27-2021	Athletes and Sports Competitors	--	\$27.87	\$19.06	\$29.07
	Total	\$18.11	\$15.73	\$17.74	\$17.19








Top Industries – Change from 2018 - 2023

NAICS Code	Description	Cochise County, AZ	Cochise, Pima, SC	Arizona (AZ)	United States
611699	All Other Miscellaneous Schools and Instruction	--	11	40	1,923
713990	All Other Amusement and Recreation Industries	2	13	111	2,587
713940	Fitness and Recreational Sports Centers	1	47	703	14,535
903611	Elementary and Secondary Schools (Local Government)	--	-5	9	-310
813410	Civic and Social Organizations	--	2	-46	741
	Total	7	67	816	19,476

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

National Educational Attainment








Athletes and Sports Competitors (27-2021)

Education Level	2016 Percent
Less than high school diploma	1.7% 
High school diploma or equivalent	9.8% 
Some college, no degree	21.5% 
Associate's degree	7.9% 
Bachelor's degree	42.7% 
Master's degree	14.2% 
Doctoral or professional degree	2.2% 

* National Educational Attainment – Settings

National Educational Attainment








Coaches and Scouts (27-2022)

	Education Level	2016 Percent
●	Less than high school diploma	1.7% 
●	High school diploma or equivalent	9.8% 
●	Some college, no degree	21.5% 
●	Associate's degree	7.9% 
●	Bachelor's degree	42.7% 
●	Master's degree	14.2% 
●	Doctoral or professional degree	2.2% 

* National Educational Attainment – Settings

National Educational Attainment

Fitness Trainers and Aerobics Instructors (39-9031)

	Education Level	2016 Percent
●	Less than high school diploma	2.4% 
●	High school diploma or equivalent	16.2% 
●	Some college, no degree	25.0% 
●	Associate's degree	9.1% 
●	Bachelor's degree	36.4% 
●	Master's degree	9.7% 
●	Doctoral or professional degree	1.2% 

* National Educational Attainment – Settings

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