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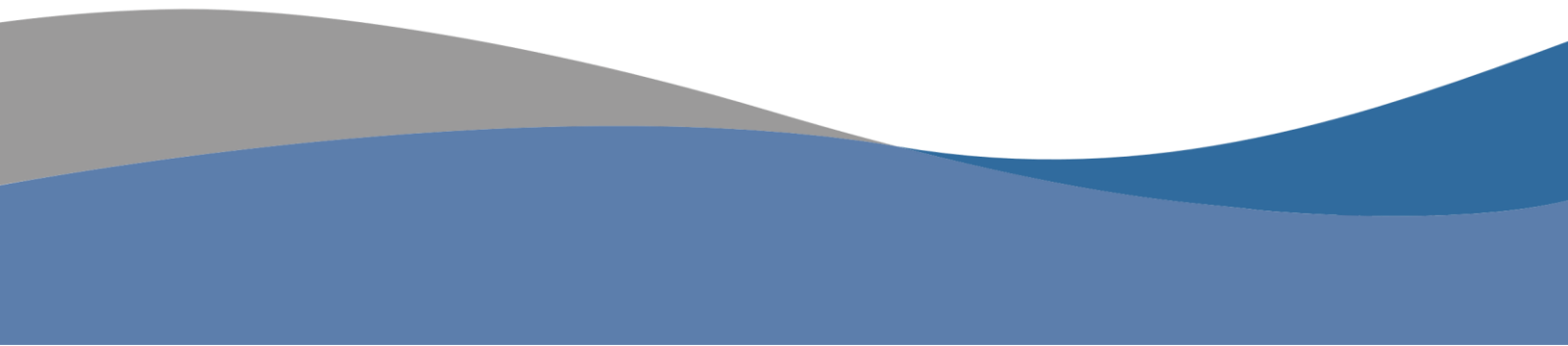
# Perkins V Report

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## Strengthening Career & Technical Education

in ZCTA 85209

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## About this Report

The education industry supplies human capital to all industries. This report takes a macroeconomic view of the industries and the occupations that currently underpin the ZCTA 85209 economy. Knowing what skills and occupations local employers need now and in the future will help the education community better anticipate curriculum that prepares students for those job openings.

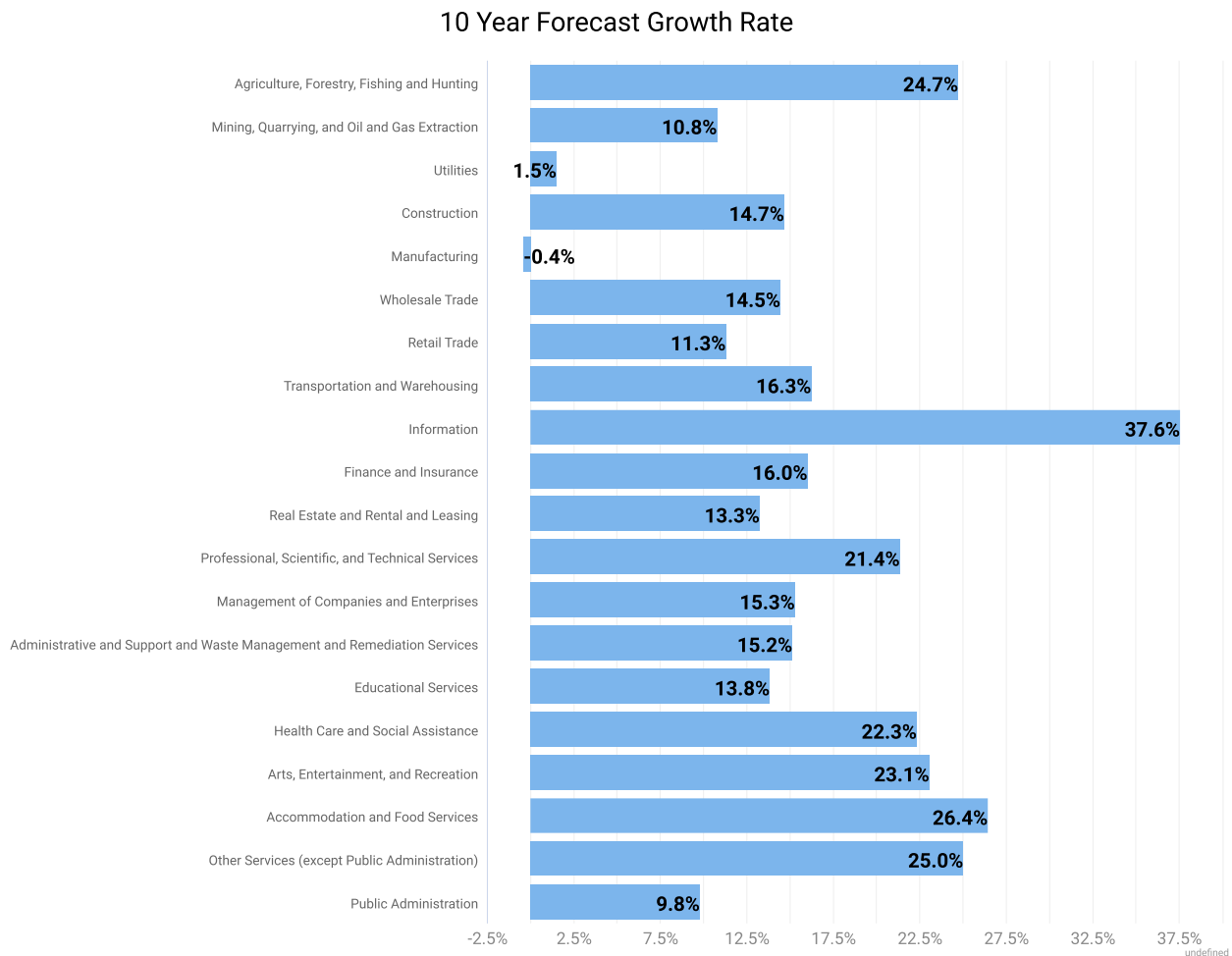
This report is designed to help educators who want to move beyond compliance and use Perkins V to make a real difference in their students' education. It provides actionable labor market intelligence—one of the Comprehensive Local Needs Assessment's (CLNA's) six requirements to bridge secondary education students to skilled jobs that employers need in ZCTA 85209.

# Industry Growth Forecasts

To help high school students select careers, educators can show them the earnings potential and the job opportunities across all industries today and in the future.

Employers can be categorized into one of 20 major industry sectors. The chart below shows the net job growth forecast for these sectors in ZCTA 85209.

As of the first quarter of 2023, ZCTA 85209 had 19 sectors forecast to have positive employment growth over the next ten years and 1 sector projected to contract. Those growing include "Information," "Accommodation and Food Services" and "Other Services (except Public Administration)."



# Industry Forecasts Including Retirement Demand

For an accurate assessment of future demand, the number of people retiring from an industry need to be taken into account. From that perspective, the "Retail Trade," "Accommodation and Food Services" and "Health Care and Social Assistance" sectors are expected to have the highest annual job demand in ZCTA 85209.

Sector	Employment	Avg Ann Wages	Ann Empl Growth	Ann Total Demand
Retail Trade	2,451	\$42,095	26	375
Accommodation and Food Services	1,615	\$27,400	38	322
Health Care and Social Assistance	1,967	\$76,286	40	244
Administrative and Support and Waste Management and Remediation Services	1,465	\$50,114	21	199
Transportation and Warehousing	1,043	\$57,109	16	142
Educational Services	1,129	\$54,519	15	127
Finance and Insurance	720	\$86,160	11	79
Professional, Scientific, and Technical Services	618	\$84,159	12	68
Construction	602	\$78,756	8	67
Other Services (except Public Administration)	406	\$43,780	9	59
Arts, Entertainment, and Recreation	123	\$33,433	3	21
Real Estate and Rental and Leasing	176	\$92,741	2	20
Information	107	\$63,690	3	14
Manufacturing	77	\$63,363	0	8
Wholesale Trade	65	\$82,124	1	8
Management of Companies and Enterprises	19	\$108,568	0	2
Agriculture, Forestry, Fishing and Hunting	13	\$70,566	0	2
<b>Total - All Industries</b>	<b>12,644</b>	<b>\$56,501</b>	<b>208</b>	<b>1,675</b>

# Detailed Industry Projections

Total employment in ZCTA 85209 is forecast to increase 17.8% over the next ten years, compared with an expected growth rate of 5.5% in the nation over the same period.

At the detailed industry level, "Restaurants and Other Eating Places" and "General Medical and Surgical Hospitals" are expected to experience the most job gains over this period.

Industry	Employment	Avg Ann Wages	Hist 10yr Change	Proj 10yr Growth
Restaurants and Other Eating Places	1,593	\$27,336	604	423
General Medical and Surgical Hospitals	954	\$83,626	462	169
Business Support Services	1,031	\$49,107	630	148
Warehouse Clubs, Supercenters, and Other General Merchandise Retailers	897	\$39,920	252	126
Elementary and Secondary Schools	929	\$54,022	-116	102
Outpatient Care Centers	277	\$91,734	-57	85
Personal Care Services	200	\$36,317	59	58
Nondepository Credit Intermediation	368	\$75,976	153	56
Offices of Other Health Practitioners	144	\$54,446	85	43
Building Material and Supplies Dealers	261	\$39,416	65	38

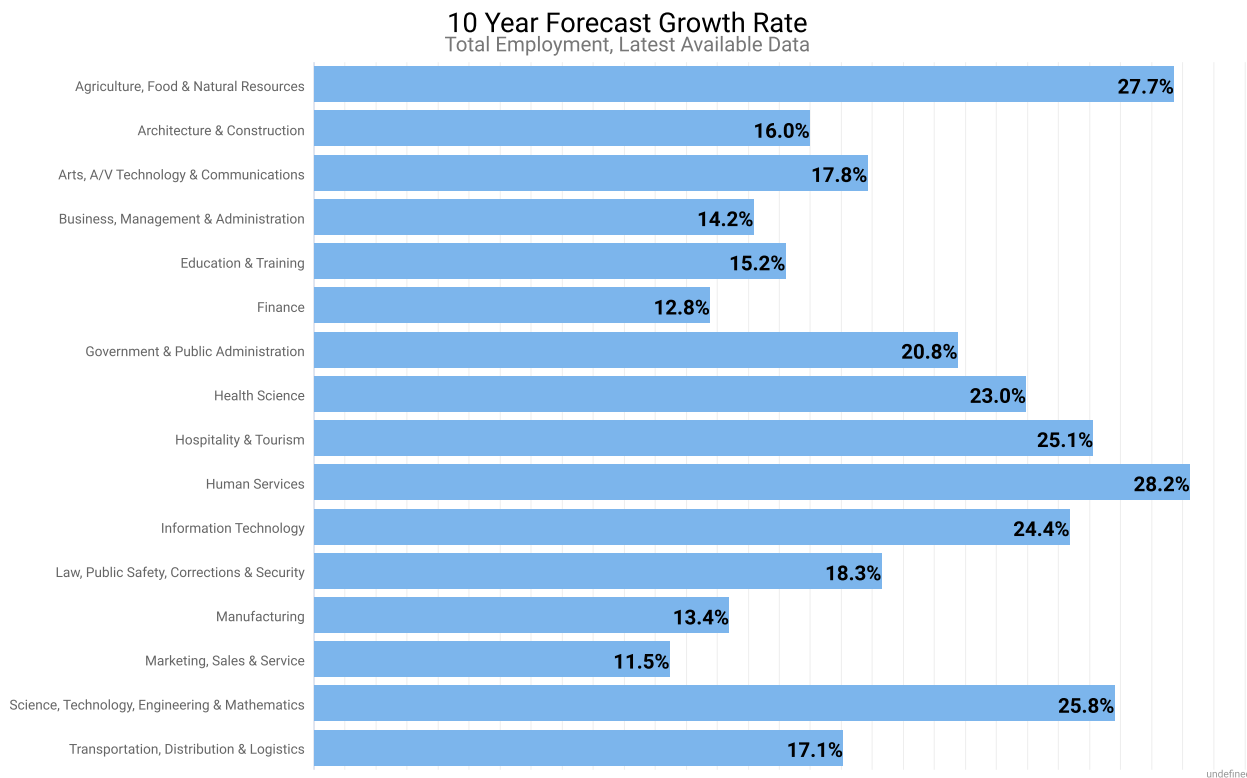
"Office Supplies, Stationery, and Gift Retailers " and "Cut and Sew Apparel Manufacturing" are projected to have the largest job declines in the region over the next ten years.

Industry	Employment	Avg Ann Wages	Hist 10yr Change	Proj 10yr Growth
Office Supplies, Stationery, and Gift Retailers	39	\$42,731	7	-5
Cut and Sew Apparel Manufacturing	17	\$41,483	16	-4
Book Retailers and News Dealers	5	\$27,669	-14	-1
Newspaper, Periodical, Book, and Directory Publishers	9	\$68,569	4	-1
Printing and Related Support Activities	10	\$62,208	-8	-1
Used Merchandise Retailers	15	\$29,153	12	-1
Administration of Economic Programs	0	n/a	-6	0
Administration of Environmental Quality Programs	0	n/a	-1	0
Administration of Human Resource Programs	0	n/a	-3	0
Justice, Public Order, and Safety Activities	0	n/a	-8	0

# Career Cluster Growth Forecasts

With hundreds of occupations, it can be difficult for educators to pinpoint the most promising high-demand and high-wage occupations in their region that provide rewarding careers for their students. Analysis of the sixteen CTE Clusters provides an entryway into career pathways.

Of the sixteen career clusters, all are expected to expand employment in ZCTA 85209 over the next ten years. Of those all, "Science, Technology, Engineering & Mathematics," "Information Technology," "Health Science," "Finance," "Law, Public Safety, Corrections & Security," "Business, Management & Administration," "Government & Public Administration and "Arts, A/V Technology & Communications" pay more than the average occupation wage in the region (\$62,500).



# Career Cluster Forecasts Including Retirement Demand

Similar to the analysis of industry employment growth, an accurate assessment of future occupation demand requires that the number of people retiring be taken into account as shown in the table below. In ZCTA 85209, "Hospitality & Tourism," "Business, Management & Administration" and "Marketing, Sales & Service" clusters are expected to have the highest annual job demand.

"Science, Technology, Engineering & Mathematics" has the highest wages of the CTE Clusters followed by the "Information Technology" and "Health Science" clusters.

Career Cluster	Employment	Avg Ann Wages	Job Ads	Ann Empl Growth	Ann Total Demand
Science, Technology, Engineering & Mathematics	36	\$111,300	3	1	4
Information Technology	285	\$105,500	5	6	28
Health Science	1,523	\$84,800	146	32	165
Finance	536	\$81,600	12	6	58
Law, Public Safety, Corrections & Security	203	\$68,700	3	3	29
Business, Management & Administration	2,832	\$66,900	64	38	406
Government & Public Administration	50	\$66,600	0	1	6
Arts, A/V Technology & Communications	100	\$63,900	3	2	12
Education & Training	812	\$59,800	51	12	88
Architecture & Construction	554	\$58,200	4	8	65
Marketing, Sales & Service	1,885	\$56,900	79	21	296
Manufacturing	313	\$53,200	12	4	39
Transportation, Distribution & Logistics	1,097	\$51,600	8	17	160
Agriculture, Food & Natural Resources	82	\$51,100	10	2	16
Human Services	454	\$44,900	27	11	76
Hospitality & Tourism	1,882	\$39,800	81	43	409
<b>Total - All Occupations</b>	<b>12,644</b>	<b>\$62,500</b>	<b>508</b>	<b>208</b>	<b>1,857</b>



# Detailed Occupation Projections

There are over 800 defined occupations at the detailed level. Among those occupations that support a living wage, "Registered Nurses" and "General and Operations Managers" are expected to add the most jobs over the next ten years in ZCTA 85209.

Occupation	Employment	Avg Ann Wages	Job Ads	Hist 10yr Change	Proj 10yr Growth
Registered Nurses	395	\$91,300	2	138	75
General and Operations Managers	253	\$116,300	4	154	52
Heavy and Tractor-Trailer Truck Drivers	262	\$55,100	1	116	42
Software Developers	101	\$128,600	0	101	34
Medical and Health Services Managers	44	\$125,300	11	16	20
Elementary School Teachers, Except Special Education	158	\$55,700	2	-22	19
Nurse Practitioners	26	\$126,300	3	14	19
Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	103	\$76,600	3	60	18
Market Research Analysts and Marketing Specialists	48	\$73,700	0	34	16
Secondary School Teachers, Except Special and Career/Technical Education	119	\$65,600	8	-18	15

Of occupations supporting a living wage, "Executive Secretaries and Executive Administrative Assistants" and "Legal Secretaries and Administrative Assistants" are projected to have the largest decline in employment over the next ten years.

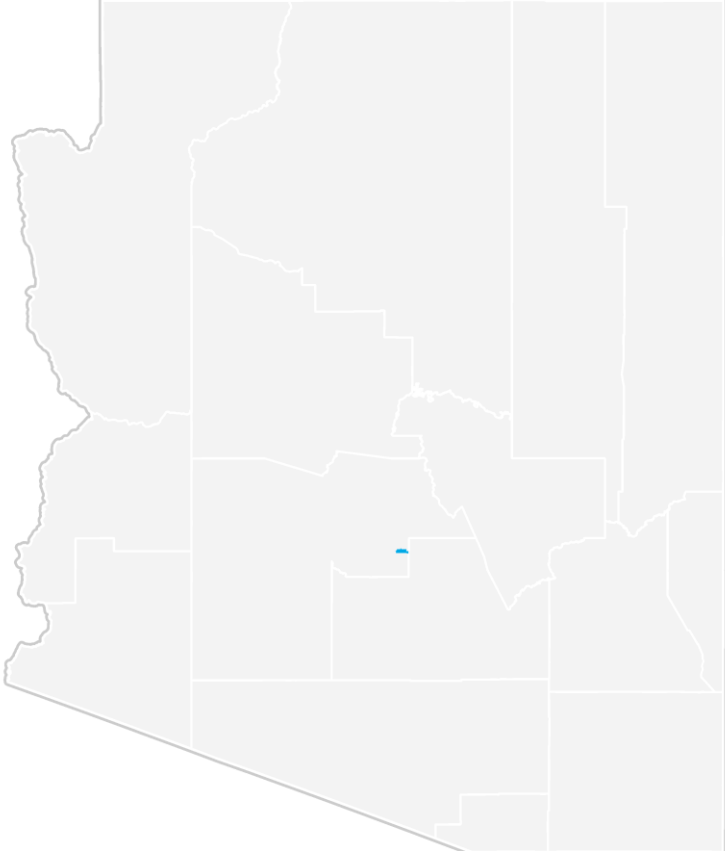
Occupation	Employment	Avg Ann Wages	Job Ads	Hist 10yr Change	Proj 10yr Growth
Executive Secretaries and Executive Administrative Assistants	16	\$71,200	0	-13	-2
Legal Secretaries and Administrative Assistants	7	\$51,500	0	1	-1
Air Traffic Controllers	0	n/a	0	0	0
First-Line Supervisors of Gambling Services Workers	0	n/a	0	-1	0
Detectives and Criminal Investigators	0	n/a	0	-1	0
Correctional Officers and Jailers	0	n/a	0	-1	0
Media and Communication Workers, All Other	0	n/a	0	0	0
Broadcast Announcers and Radio Disc Jockeys	0	n/a	0	0	0
Choreographers	0	n/a	0	0	0
Labor Relations Specialists	0	n/a	0	-1	0

# Regional Colleges and Universities

For students interested in advanced degrees, the list below provides the largest postsecondary schools within ZCTA 85209. The schools are sorted by enrollment size.

School	Certificates and 2yr Awards	4yr Awards	Total School Enrollment	Avg Net Price
Pima Medical Institute-East Valley	355	0	363	\$18,455
Total	355	0	363	n/a

# ZCTA 85209 Regional Map



# Data Notes

- Industry employment and wages (including total regional employment and wages) are as of 2023Q1 and are based upon Bureau of Labor Statistics (BLS) QCEW data, imputed by Chmura where necessary, and supplemented by additional sources including non-covered employment such as self-employed. Employment forecasts are modeled by Chmura and are consistent with BLS national-level 10-year forecasts.
- Occupation employment is as of 2023Q1 and is based on industry employment and local staffing patterns calculated by Chmura and utilizing BLS Occupation Employment and Wage Statistics (OEWS) data. Wages by occupation are as of 2023Q1, utilizing BLS OEWS data, imputed and brought forward by Chmura. Occupation employment forecasts are modeled by Chmura and are consistent with BLS national-level 10-year forecasts.
- Job ads data are online job posts from the Real-Time Intelligence (RTI) data set, produced wholly by Chmura and gleaned from over 40,000 websites. Data reflect ads active during the last twelve month period ending 08/09/2023 and advertised for any Zip Code Tabulation Area in or intersecting with the region for which this report was produced.
- For skill and certification gaps, openings and candidates are based upon regional occupation demand (growth plus separations) and the percent of skill demand and supply. Skill demand mix data are per a one-year sample of RTI data; skill supply data are estimated using a five-year sample of resumes data; both data sets compiled as of August 2021. Data may be based, at least in part, on data from broader geographies; see the Skill Gaps analytic export for more details.
- Postsecondary are per the National Center for Education Statistics. Awards and enrollment are for the 2020-2021 academic year and average net price data are for the 2020-2021 academic year.
- Figures may not sum due to rounding.

# FAQs

## **How are industries and occupations defined?**

Industries are defined via the North American Industry Classification System (NAICS). “Sectors” in this report represent 2-digit NAICS codes and industries in the “Industry Analysis” section of this report represent 4-digit NAICS codes. Occupations are defined via the Standard Occupational Classification System (SOC). Occupations in the “Occupation Analysis” section of this report represent 6-digit SOC codes. “CTE Clusters” are collections of 6-digit SOC occupations as defined through the National Career Clusters® Framework.

## **How is “Ann Total Demand” defined?**

Annual total employment demand is forecast job demand that includes job needs due to growth, exits (such as retirements), and transfers (individuals moving from one career into another).

## **What is the Living Wage used in this report?**

The living wage in the United States is \$24.16 per hour in 2021, before taxes for a family of four (two working adults, two children) - MIT Living Wage Calculator.