

# LABOR MARKET ANALYSIS

FOR FOLSOM LAKE COLLEGE



**C·O·E**

CENTERS OF EXCELLENCE  
FOR LABOR MARKET RESEARCH

## OPPORTUNITIES FOR WORKFORCE DEVELOPMENT: AMADOR COUNTY

North (Greater Sacramento)  
Center of Excellence

**MARCH 2023**

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# EXECUTIVE SUMMARY

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To understand and assess opportunities for Folsom Lake College program expansion and new program development, the North (Greater Sacramento) Center of Excellence (or Greater Sacramento COE) analyzed the population and labor market characteristics in Amador County. Key findings from the analysis include:

- Amador County's population is increasingly aging. Residents aged 60 years and older are projected to increase by 17%, adding nearly 2,500 more individuals to their ranks between 2020 and 2030. However, Amador will also experience a significant population increase among residents under 19 – almost 20% by 2030.
- In 2021, Amador County held more than 12,000 jobs across all sectors. Over the next five years, sector employment in Amador County is projected to increase by 7% - the same rate as the Greater Sacramento subregion and much faster than the State average of 4%. Amador County is expected to add nearly 1,000 new jobs by 2026.
- Eighty percent of Amador's jobs are concentrated in six sectors: government, health care and social assistance, retail trade, accommodations and food services, manufacturing, and construction.
- Though some numbers are small, Amador County has middle-skill annual job openings associated with nearly every community college sector. Between 2021 and 2026, Amador County will have an estimated 670 job openings yearly for middle-skill occupations.

This report also provides a supply-and-demand analysis of Folsom Lake College's existing career education programs and alignment with Amador County's labor market. A key finding from the supply gap analysis includes:

- While most supply gaps in Amador County are small, an analysis of Folsom Lake's educational supply and Amador County's labor market demand found training gaps in the manufacturing, agriculture, business, education, health, and information sectors.
- The most significant training gap was in the information sector among Folsom Lake's office technology programs.

Recommendations include:

- Community colleges should prioritize offering online career education programs to Amador residents due to the distance between the County and community college campuses.
- Community colleges interested in providing educational programs to Amador County residents should also consider offering programming through community education. With nearly fifty percent of Amador's residents are aged 50 years or older, community education may a positive way to expand community college offerings to a larger population of potential students in the County.

# INTRODUCTION

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Folsom Lake College is a two-year college located about 30 minutes east of California's State Capitol in El Dorado County. The college is part of the four-college Los Rios Community College District that serves El Dorado, Placer, Sacramento, and Yolo counties. Folsom Lake offers over 40 certificates and degrees across 24 career education programs.<sup>1</sup>

Amador County is approximately a one-hour drive southeast of Folsom Lake College's main campus, nestled within the foothills of the Sierra Nevada Mountain range. Though historically recognized as the "Gold Country," Amador is now just as well-known for viticulture and wine. Amador County also happens to be one of the few California Counties without

The goal of this report is to assess the labor market of Amador County and identify opportunities for Folsom Lake College to align existing and new workforce training programs to meet employer demand.

# METHODOLOGY

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This labor market profile assesses the demand for middle-skill and above-middle-skill occupations in Amador County. This report highlights job opportunities in Amador County and evaluates where Folsom Lake College could expand training to meet local employer demand.

To begin, the Greater Sacramento COE analyzed Amador County's labor market, focusing on population size, demographics, educational attainment, K12 enrollment projections, and the size of its labor force. This data comes from various state and federal sources, including the California Employment Development Department (EDD) Labor Market Division, the California Department of Finance, the United States Census Bureau, and Lightcast (formerly EMSI/Burning Glass).

This report also analyzes Amador County's primary industry sectors and critical occupations. Industry and occupational data come from Lightcast and cover 2021 to 2026. Job counts in both contexts represent employed and self-employed workers. Industries are identified based on the U.S. Census 2022 North American Industry Classification System (NAICS). Occupations are classified using the U.S. Bureau of Labor Statistics 2018 Standard Occupational Classification (SOC) system.

This report also provides a supply-and-demand analysis of existing career education programs at Folsom Lake College, focusing on middle- and above-middle-skill occupations. Occupations were aligned to Folsom Lake's programs using the TOP-CIP-SOC crosswalk developed by the Centers for Excellence for Labor Market Research.

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<sup>1</sup> Certificates and awards counted by TOP code program titles.

Please see Appendix A for a complete listing of data sources.

## POPULATION AND DEMOGRAPHICS

Amador county is a small county located in the western foothills of the Sierra Nevada Mountain range, approximately one-hour southeast of California's state capitol. Sacramento County, El Dorado County, Alpine County, San Joaquin County, and Calaveras County border the County.

According to the 2020 decennial census, more than 40,400 people call Amador home.<sup>2</sup> The most populous cities of the County include Lone, with 7,800 residents; Jackson, at 4,600 residents; and Sutter Creek, with 2,500 residents. The Pine Grove area also has a sizeable population, with nearly 2,600 residents.

The County is also home to two federally recognized Tribes and tribal lands: the Lone Band of Miwok Indians in Plymouth, CA, and the Jackson Band of Miwuk Indians (also known as Jackson Rancheria) in Jackson, CA.<sup>3</sup>

The following sections provide an analysis of the resident population and demographic composition in Amador County. Please note that the data in the following report sections comes from the State of California Department of Finance Demographic Research Unit and are based on projections that have yet to incorporate the 2020 census data. New interim projections are scheduled to be released in early 2024.

### Population Size

In 2020, more than 40,000 residents lived in Amador County (Exhibit 1). Between 2020 and 2030, Amador's population is expected to increase by 15%, adding more than 6,000 residents to the area. Amador's resident population is expected to grow at a similar rate to the Greater Sacramento region and much faster than California's projected population growth of 1%.

#### Exhibit 1. Estimated population size by geography, 2010 - 2030

Geography	2010 Population Estimate	2020 Population Estimate	2030 Population Projection	2010-2020 Historic % Change	2020-2030 Projected % Change
Amador County	37,883	40,541	46,744	7%	15%

<sup>2</sup> U.S. Census Bureau, "Amador County Profile", accessed February 24, 2023,

[https://data.census.gov/profile/Amador\\_County,\\_California?q=0500000US06005](https://data.census.gov/profile/Amador_County,_California?q=0500000US06005)

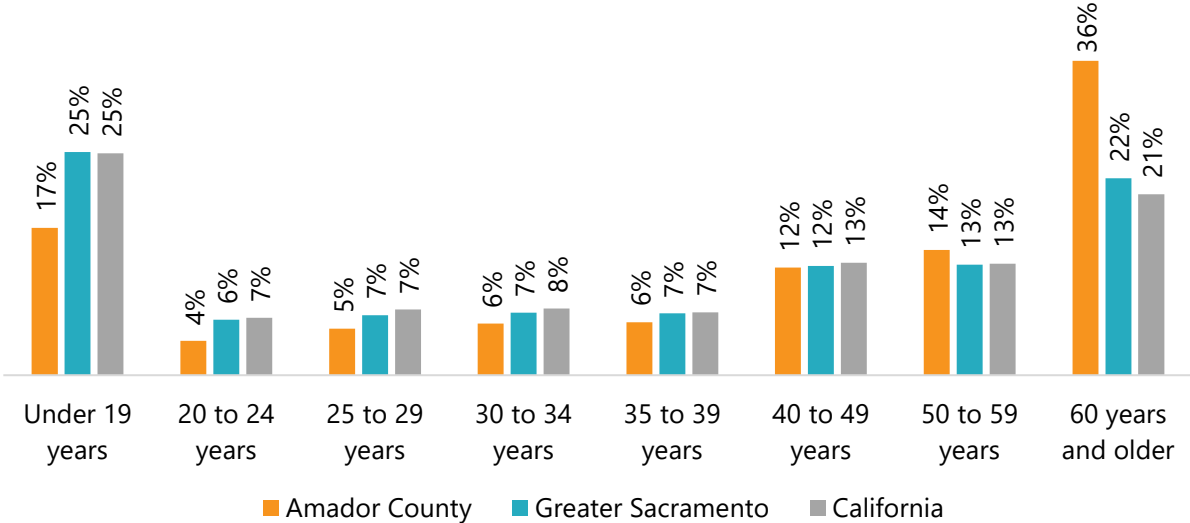
<sup>3</sup> U.S. Department of the Interior Indian Affairs, "Search Federally Recognized Tribes," accessed February 24, 2023, <https://www.bia.gov/service/tribal-leaders-directory/federally-recognized-tribes>

Geography	2010 Population Estimate	2020 Population Estimate	2030 Population Projection	2010-2020 Historic % Change	2020-2030 Projected % Change
Greater Sacramento	2,419,492	2,682,962	3,056,885	11%	14%
California	37,319,550	39,499,738	39,785,668	6%	1%

**Age**

Overall, Amador County's residents are older than Greater Sacramento and California's populations (Exhibit 2). Fifty percent of Amador's residents are 50 years and older, compared to 34-35% for Greater Sacramento and California.

**Exhibit 2. Population estimated by age cohort, by geography, 2020**

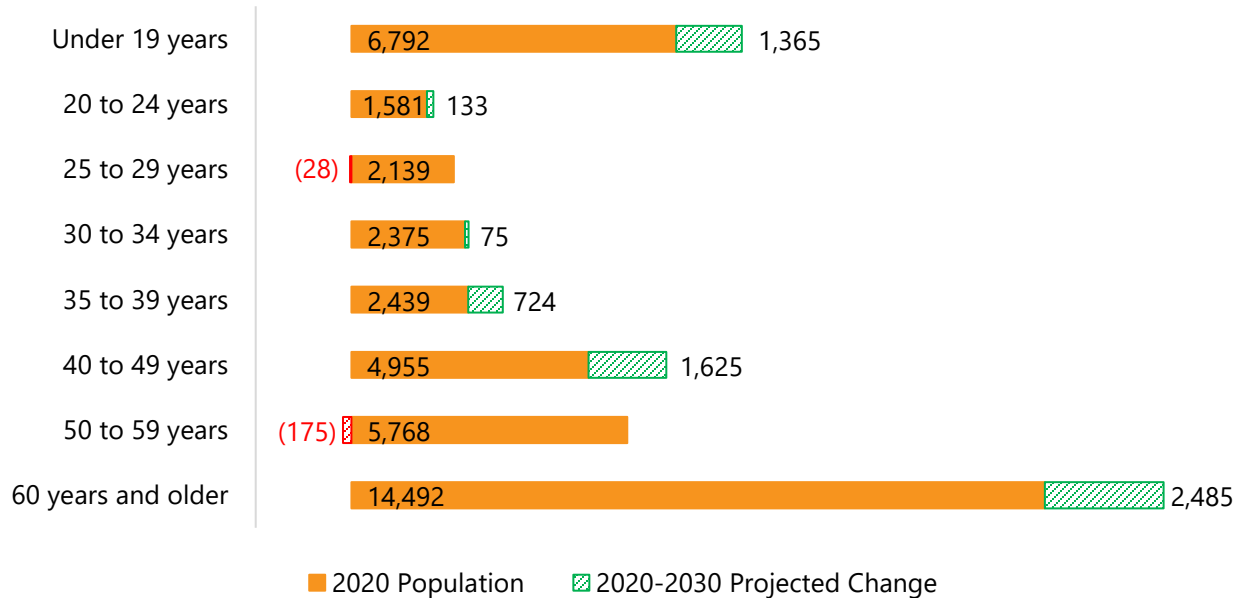


Amador County's older age groups are projected to grow the most over the next ten years (Exhibit 3). Residents aged 60 years and older are projected to increase by 17%, adding nearly 2,500 more individuals to their ranks by 2030.

The County's population is also expected to grow similarly among its prime working-age residents (ages 25 to 49). Residents aged 25 to 49 are projected to increase by 20% over the next ten years, adding nearly 2,400 more residents by 2030. Much of this growth is concentrated among residents aged 40 to 49.

Though Amador's resident population is increasingly aging, the County expects a significant increase among its population under 19. Between 2020 and 2030, residents under 19 years of age are expected to increase by 20%.

**Exhibit 3. Population estimates by age cohort, Amador County, 2020 – 2030**

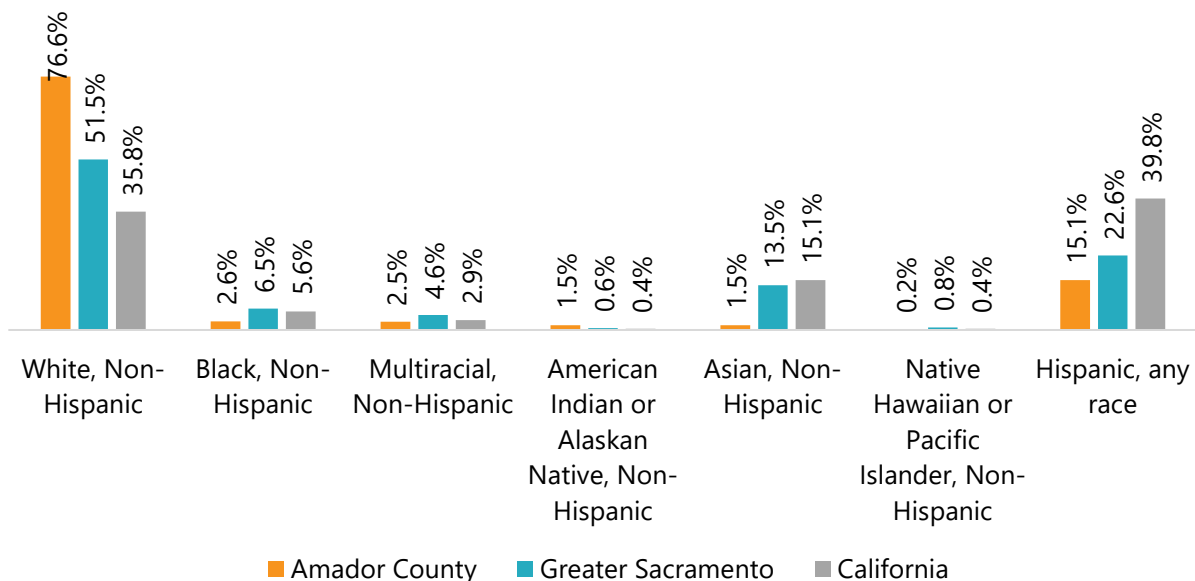


**Race and Ethnicity**

Compared to Greater Sacramento and California, residents of Amador County are less racially and ethnically diverse (Exhibit 4). More than three-quarters of Amador's residents identify as White, compared to 51% of Greater Sacramento and 36% of California residents.

In Amador County, 15% of residents identify as Hispanic of any race, 2.6% as Black, 2.5% as multiracial, 1.5% as American Indian or Alaskan Native, 1.5% as Asian, and 0.2% as Native Hawaiian or Pacific Islander.

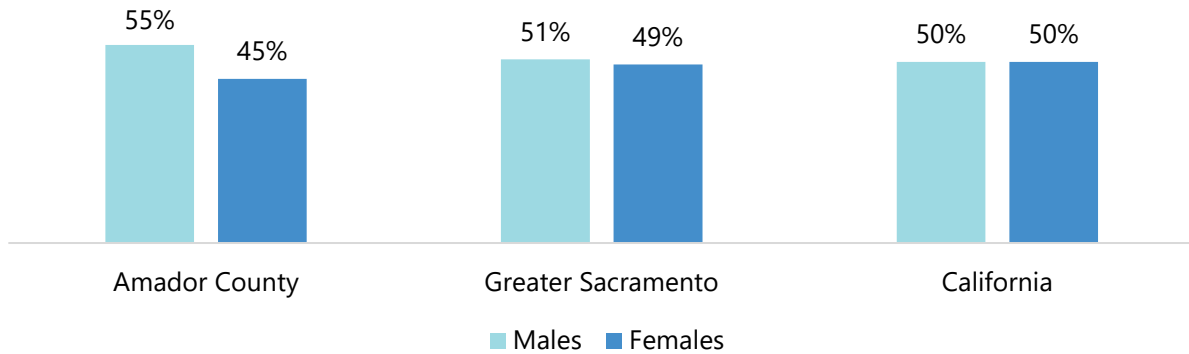
**Exhibit 4. Population estimates by race and ethnicity, by geography, 2020**



## Gender

In 2020, Amador County had a higher population of female residents (55%) than male residents (45%).

**Exhibit 5. Population estimates by gender by geography, 2020**

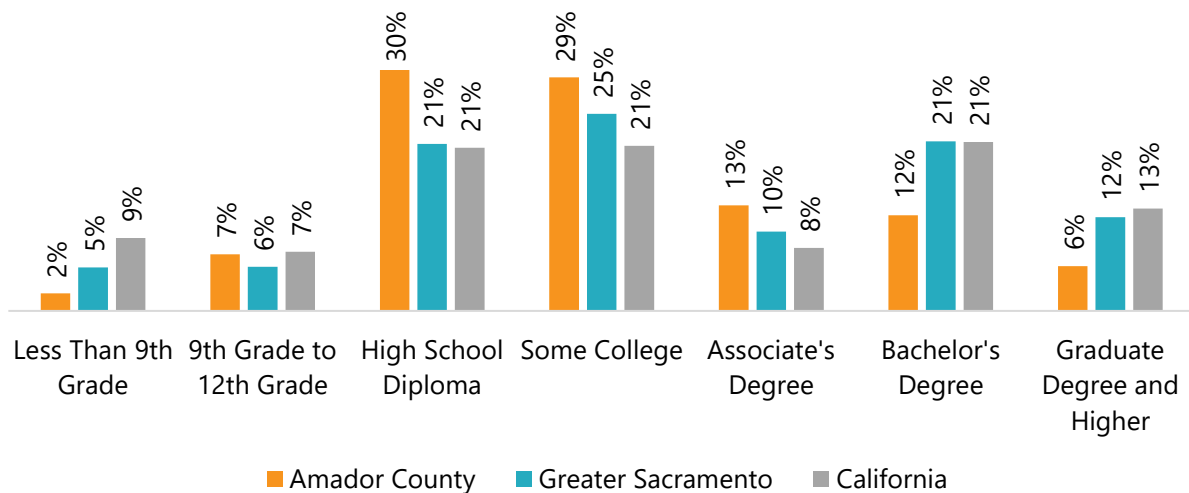


## EDUCATIONAL ATTAINMENT

In several categories, the educational attainment of Amador's residents outranks that of the Greater Sacramento area and the State (Exhibit 6). Amador County's residents have larger shares of individuals who earned high school diplomas (30%), attended some college (29%), and earned associate degrees (13%) compared to Greater Sacramento and California.

While Amador residents have higher educational attainment levels consistent with community college offerings, they are less likely to hold a bachelor's degree. Twelve percent of Amador residents hold a bachelor's degree, compared to 21% of Greater Sacramento and Californian residents.

**Exhibit 6. Educational attainment of Amador County's residents, 2020**





# K12 ENROLLMENT AND PROJECTIONS

The California Department of Finance publishes annual enrollment and projections for grades transitional kindergarten (TK) through 12 for each County in the State. Analysis of the latest dataset shows that TK-12 enrollment in Amador County is projected to increase over the next decade (Exhibit 7) significantly. TK-12 enrollment in Amador is projected to increase by 15% by the 2031-32 academic year. During the same time, TK-12 enrollment in the Greater Sacramento area is expected to remain relatively stable while the State will experience a decline.

**Exhibit 7. TK-12 Enrollment projections by region**

Geography	2021-22 Actual TK-12 Enrollment	2031-32 Projected TK-12 Enrollment	10-Year Projected Change
Amador	4,038	4,653	15%
Greater Sacramento	427,963	430,884	1%
California	5,892,240	5,368,354	(9%)

Much of the school enrollment growth in Amador County can be attributed to the faster-than-average change among the Transitional Kindergarten (TK) and Kindergarten grade levels (Exhibit 8). TK and Kindergarten enrollments in Amador are projected to increase by 78%, adding nearly 260 new students by the 2031-32 school year. This increase is likely due to California's expansion of kindergarten education through universal Transitional Kindergarten, which will be available to nearly all four-year-olds in the State by the 2025-26 school year.<sup>4</sup>

**Exhibit 8. Amador County TK-12 enrollment trends by grade level**

Grade Level	2021 – 22 Actual Enrollment	2031-32 Projected Enrollment	10-Year Projected Change
Transitional Kindergarten + Kindergarten	330	589	78%
Grades 1 – 8	2,355	2,663	13%
Grades 9 – 12	1,353	1,401	3%

<sup>4</sup> <https://edsources.org/2022/10-things-california-parents-should-know-about-transitional-kindergarten/682477>

# LABOR FORCE AND UNEMPLOYMENT

## Labor Force

The labor force is the number of individuals living in the County who are considered willing and able to work. The California Employment Development Department (CA EDD) defines this population as all individuals over 16 currently working or receiving unemployment benefits. Discouraged workers – individuals who are unemployed and no longer seeking employment – are not included in labor force estimates.

In 2021, Amador County's labor force comprised more than 14,000 individuals, of which 13,350 were employed (Exhibit 9). The annual unemployment rate for Amador County was 7% in 2021.

**Exhibit 9. Labor force by region, 2021**

Geography	2021 Labor Force	2021 Employed	2021 Unemployed	2021 Unemployment Rate
Amador	14,340	13,350	1,000	7.0%
Greater Sacramento	1,222,290	1,142,560	79,830	6.5%
California	18,923,200	17,541,900	1,381,200	7.3%

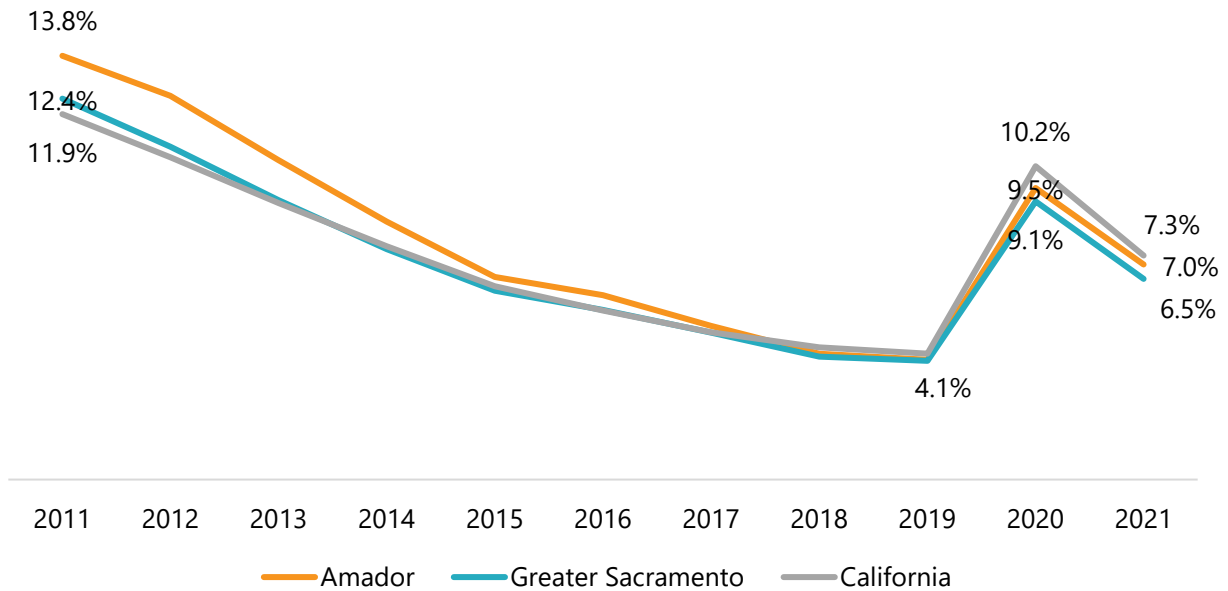
*Note: Values may not sum to 100% of totals due to rounding.*

## Unemployment Rates

Unemployment rates and labor force data are based on an individual's residence rather than the place of work. Unemployment, therefore, reflects the geography's resident unemployment (i.e., those living in the area) and not individuals commuting into the area for work.

In 2021, Amador County's unemployment rate was between that of Greater Sacramento and the State at 7% (Exhibit 10). Unemployment in Amador declined over nine years from a high of nearly 14% in 2011 to a low of 4% in 2019. During the coronavirus pandemic, unemployment in Amador followed a similar trend as the rest of the State and rose to a high of 9.5% in 2020. Amador's labor force is still recovering from the impact of the pandemic.

**Exhibit 10. Unemployment rates in Amador, Greater Sacramento, and California**



### Worker Commuting Patterns

Worker commuting patterns show the characteristics of resident and non-resident workers within a geographic location. The data is derived from payroll tax (unemployment insurance) records, maintained by the State, and aggregated and modeled by the U.S. Census Bureau Longitudinal Employer-Household Dynamics division.<sup>5</sup> The most up-to-date version of this data comes from 2019 records.

We can think of Amador County as a labor force hub (i.e., bringing workers into the County to fill jobs) and a labor force provider (i.e., supplying workers to the surrounding areas).

As a labor force hub, Amador County employs more workers outside its boundaries than within (Exhibits 10 and 11). In 2019, 55% of the 11,000 workers employed in the County (or about 6,000 individuals) lived outside of Amador County and drove into the County for their primary jobs. The remaining 45% of workers (about 5,000) employed in the County also lived there.

As a labor force provider, most workers living in Amador commute outside the County for employment (Exhibits 11 and 12). In 2019, of the 16,826 workers living in the County, 70% (or 11,783 workers) commuted outside of the County for work, while the remaining 30% (5,043 workers) stayed there.

Overall, the analysis of worker commuting patterns shows that Amador County is primarily a labor force supplier or exporter of workers to surrounding areas. Amador has a net outflow of about 5,700 jobs to regions outside the County (Exhibit 12).

<sup>5</sup> U.S. Census Bureau. (2023). LEHD Origin-Destination Employment Statistics (2002-2019). Washington, DC: U.S. Census Bureau, Longitudinal-Employer Household Dynamics Program, accessed on February 14, 2023, <https://onthemap.ces.census.gov>. LODES 7.5.

**Exhibit 11. Map image of Amador County's Worker Inflow and Outflow, 2019**

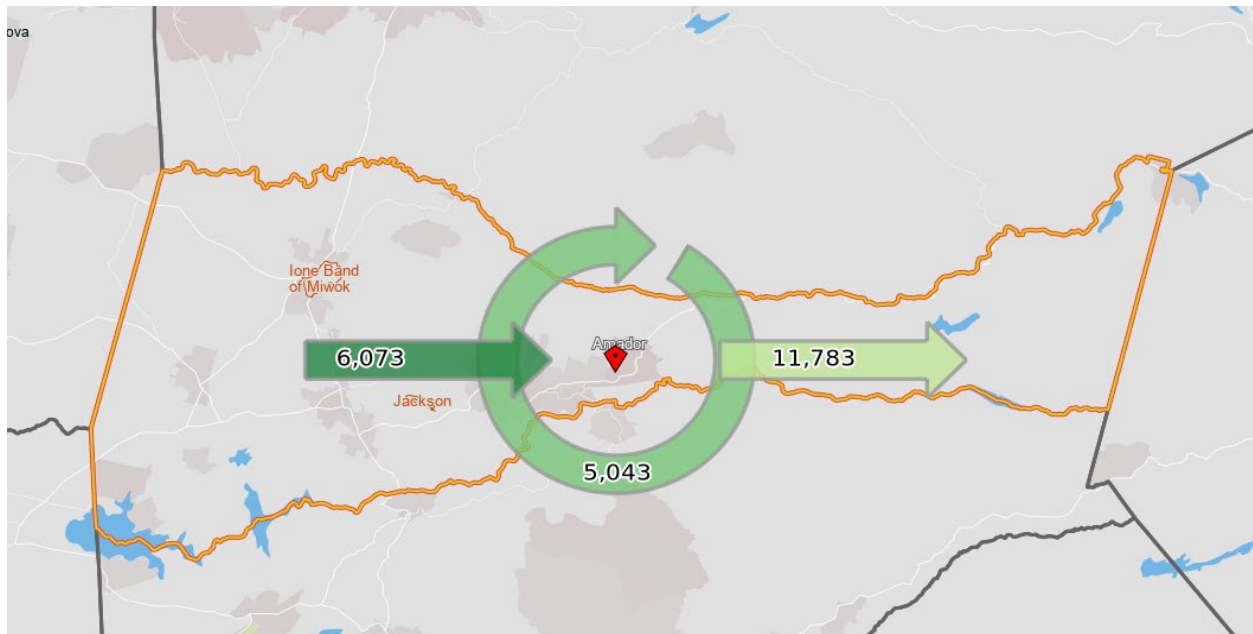


Image source: U.S. Census Bureau, LEHD Origin-Destination Employment Statistics.

**Exhibit 12. Inflow and Outflow of Workers in Primary Jobs, Amador County, 2019**

Amador Employment Efficiency	2019 Count of Workers	2019 Share of Workers	Amador Labor Force Efficiency	2019 Count of Workers	2019 Share of Workers
Employed in County	11,116	100%	Living in County	16,826	100%
Employed in County but Living Outside	6,073	54.6%	Residing in County but Employed Outside	11,783	70.0%
Employed and Living in County	5,043	45.4%	Living and Employed in County	5,043	30.0%
<b>Net Job Inflow (+) or Outflow (-) = -5,710</b>					

# INDUSTRY SECTOR ANALYSIS

Industry sector employment is the count of all jobs within a particular geography. Businesses within the same industry produce similar goods and services and share similar production processes for creating those goods and services. The North American Industry Classification System (NAICS) is the federal system that classifies all business establishments into specific industries. Regional educational institutions should be aware of the sectors in an area to inform the type of occupational and skills training that might be needed and the relative size of the programs offered.

In 2021, Amador contained 12,324 jobs across all sectors in County (Exhibit 13). Over the next five years, employment in Amador County is projected to increase by 7%, the same rate as the Greater Sacramento subregion (7%) and much faster than the State (4%). Amador County is expected to add nearly 1,000 new jobs by 2026.

**Exhibit 13. Projected industry job changes in Amador, Greater Sacramento, and California, 2016-2021**

Geography	2021 Jobs	2026 Jobs	2021-2026 Job Change	2021-2026 Job % Change
Amador	12,324	13,192	868	7%
Greater Sacramento	1,179,726	1,257,900	78,174	7%
California	19,672,305	20,473,262	800,957	4%

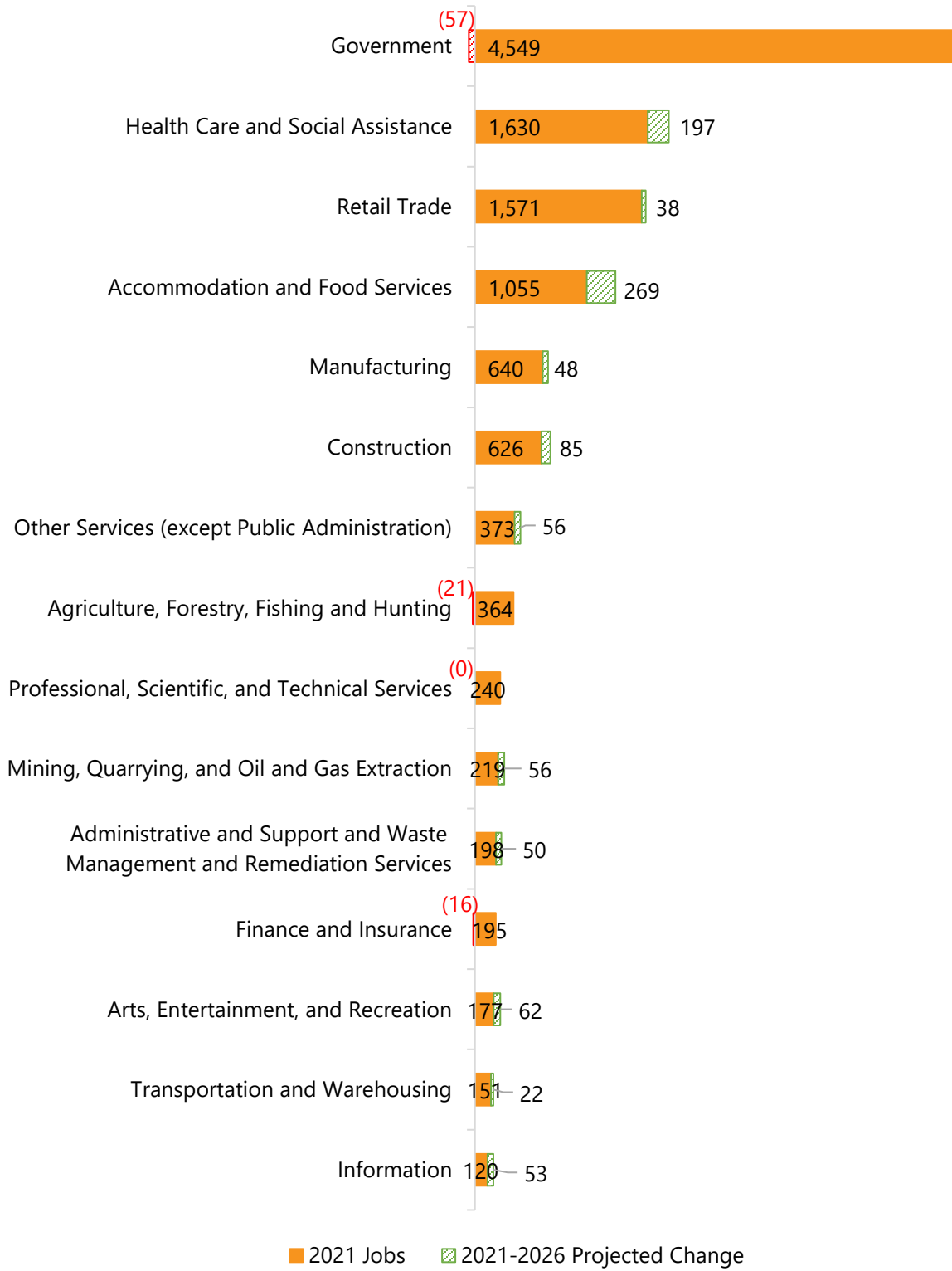
Eighty percent of Amador County's jobs (or 10,071) are concentrated in six industry sectors (Exhibit 14). The remaining 2,200 jobs are unevenly distributed across 14 other industries. Detailed data for each sector can be found in Appendix B.

The top sectors with the most employment in 2021 were government (4,549 jobs), health care and social assistance (1,630 jobs), retail trade (1,571 jobs), accommodations and food services (1,055 jobs), manufacturing (640 jobs), and construction (626 jobs).

Nearly 70% of the County's projected job growth is expected to occur in five of these six sectors. The accommodations and food services sector is projected to add another 269 new jobs by 2026, followed by health care and social assistance with 197 new jobs and construction with 58 new jobs.

Other sectors with sizable job growth (relative to the size of the sectors in Amador County) include the arts, entertainment, and recreation sector (+62 jobs) and the mining sector (+56 jobs).

**Exhibit 14. Amador County's sectors with the most employment and projected job growth, 2021-2026**



## Subsector Industry Analysis

In Amador County, specific industry sectors stand out regarding employment, projected job growth, and location quotients. The following section is a brief synopsis of industries driving the top sectors in Amador County. For additional data, please see subsector industry employment counts in Appendix C.

### *Government*

Government is the largest industry sector employer in Amador County, holding nearly 40% of the County's jobs in 2021. Industries with the most employment in this sector include State and Local Government and K-12 schools. The positive job gains in Amador's State Government industry are insufficient to compensate for the significant losses projected in the local government and K-12 school industries. Between 2021 and 2026, local government is projected to lose 90 jobs, while K-12 schools will lose about 40 jobs, for job declines of -5% and -7%, respectively.

### *Health*

Amador's second-largest employer is the health care and social assistance sector. Jobs within this sector are concentrated in the following industries: general hospitals (529 jobs), services for the elderly (310 jobs), and assisted living (117 jobs). Much of the sector's projected job growth is relegated to these three industries, ranging from 15% to 29% job growth. Since 50% of Amador County's population is 50 years and older, and older adults tend to use more healthcare services than younger groups, the health sector will most likely continue to be important in Amador.

### *Retail Trade*

Retail trade is Amador's third largest sector employer. Retail trade jobs accounted for 13% of Amador's employment in 2021, and jobs in this sector are projected to increase by 2% over the next five years (a slower-than-average job growth rate). The retail sector also has a larger-than-average location quotient (1.29), indicating that the sector's employment in Amador County is relatively large for a region this size. This may be due to the outsized influence of the supermarket, department store, and home center industries which contained more than half of the sector's jobs in 2021.

### *Accommodations and Food Services*

The accommodations and food services sector is more aptly described as hospitality. Job growth in Amador's hospitality sector is primarily driven by increased job growth in restaurants and hotels. Amador's restaurants and hotels are projected to add nearly 260 new jobs to the County by 2026, offsetting job losses in industries within the sector. The challenge with the hospitality sector is the concentration of low-wage jobs. Please note that this sector does not include data for tribal casino hotels due to limited data sharing between tribal and State governments.

### *Mining*

Though small, the mining, quarrying, and oil and gas extraction sector has a high location quotient of 5.54, indicating that jobs in this sector are 5.5 times more concentrated in Amador than average. Projected job growth for this sector is faster than average at 26% between 2021 and 2026. Key industries driving this growth include crushed and broken stone mining and quarrying (+30 jobs by 2026) and industrial sand mining (+20 jobs by 2026).

### *Manufacturing and Agriculture*

With more than 40 wineries and 3,700 planted vineyards, Amador is wine country.<sup>6</sup> When combined, manufacturing and agriculture rank as Amador's fourth largest sector employer, with 1,000 jobs in 2021. Key industries influencing this sector include wineries (260 jobs in 2021), breweries (80 jobs), crop production (76 jobs), soil preparation (74 jobs), and farm labor contractors (69 jobs). Together, jobs in Amador's manufacturing and agriculture sectors are projected to remain stable, adding a combined 28 new jobs to the County by 2026. Please note that gains in manufacturing offset job losses in agriculture.

## OCCUPATIONAL ANALYSIS

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An occupation is a categorization that groups jobs with similar work tasks and functions. In other words, workers that perform similar tasks are in the same occupation, regardless of the industry in which they work. Occupations are organized into groups based on the federal Standard Occupational Classification (SOC) system, of which there are about 775 detailed occupations.

For California Community Colleges, occupational employment can also be analyzed based on skill level. Community colleges typically provide training that prepares workers for middle-skill careers; these jobs usually require more education than a high school diploma but less than a four-year degree.

The colleges also offer training for above-middle-skill jobs, mainly through transfer-oriented programs. These jobs typically require a minimum of a bachelor's degree, and community college students would need to transfer to a four-year college or university to achieve this goal. Analyzing the middle-skill and above-middle-skill education pathways provides a better assessment of local employment needs.

In 2021, 46% of Amador County's jobs were classified as middle-skill (Exhibit 15). Middle-skill occupations typically require more education and training than a high school diploma but less than a bachelor's degree. Another 16% were categorized as above-middle-skill, and the

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<sup>6</sup> Amador County Wine Vintners Association, "About Our Region," <https://amadorwine.com/vines-wines/geography-geology/>



remaining 37% were below-middle-skill.

About 40% of Amador County's annual job openings are concentrated at the middle-skill level. There will be an estimated 670 job openings each year for middle-skilled occupations in Amador County.

**Exhibit 15. Amador County Jobs by Skill Level**

Skill Level	2021 Jobs	2026 Jobs	2021 - 2026 Change	2021 - 2026 % Change	Avg. Annual Openings
Middle-Skill	5,714	6,042	327	6%	671
Above Middle-Skill	2,173	2,286	113	5%	201
Below Middle-Skill	4,400	4,823	423	10%	774
<b>Amador County Totals</b>	<b>12,324</b>	<b>13,192</b>	<b>868</b>	<b>7%</b>	<b>1,652</b>

When combined with community college training sectors, the occupational job analysis can shift to highlight opportunities for the colleges to provide career education training. Exhibit 16 summarizes the average annual job openings for middle-skilled occupations in Amador County from 2021 – 2026. The community college sectors with the most job openings between 2021 and 2026 include business (160 openings per year), health (142 openings), public safety (86 openings), and ECU (78 openings).

**Exhibit 16. Amador County's middle-skill job openings by community college sector**

Community College Sector	Annual Middle-Skill Job Openings (2021-2026)
Business & Entrepreneurship	160
Health	142
Public Safety	86
Energy, Construction & Utilities	78
Advanced Transportation & Logistics	54
Retail, Hospitality & Tourism	46

Advanced Manufacturing	28
Agriculture, Water & Environmental Technologies	26
Education & Human Development	22
Other	18
Life Sciences/Biotech	7
Information and Communication Technologies (ICT)/Digital Media	5
<b>Total Middle Skill Annual Openings in Amador County</b>	<b>671</b>

### Opportunity Middle-Skill Occupations

Exhibit 17 shows the top middle-skill occupations, by community college training sector, in Amador County. The occupations included in these lists were selected using the following criteria:

- Meet the definition of "middle-skilled,"
- Have more than 50 jobs in Amador County in 2021,
- Have at least five annual job openings between 2021 and 2026,
- And pay an entry-level wage of at least \$14.53 per hour – the living wage for a single adult in the Greater Sacramento area.

#### Exhibit 17. Opportunity occupations by skill level and community college training sector

CC Training Sector	Middle-Skill Occupation	2021 Jobs	2021-2026 % Change	Annual Job Openings	Entry-level Hourly Wage
Advanced Transportation and Logistics	Heavy and Tractor-Trailer Truck Drivers	107	12%	15	\$19.05
	Automotive service technicians and mechanics	59	13%	8	\$18.96
Agriculture, Water, and Environmental	Forest and conservation technicians	78	(2%)	9	\$15.86

CC Training Sector	Middle-Skill Occupation	2021 Jobs	2021-2026 % Change	Annual Job Openings	Entry-level Hourly Wage
Technologies					
Business and Entrepreneurship	Office clerks, general	239	2%	29	\$14.59
	General and operations managers	220	12%	24	\$29.65
	Bookkeeping, accounting, and auditing clerks	161	1%	18	\$17.64
	Secretaries and administrative assistants	157	(1%)	17	\$17.82
	Customer service representatives	68	7%	10	\$14.68
Energy, Construction, and Utilities	Operating engineers and other construction equipment operators	115	9%	14	\$23.34
	Carpenters	93	6%	10	\$18.43
	Electricians	67	28%	11	\$24.88
	Water and wastewater treatment plant and system operators				
Health	Registered nurses	173	15%	15	\$51.96
	Social and human service assistants	65	11%	9	\$19.30
	Nursing assistants	51	8%	7	\$17.94
	Medical secretaries	51	9%	6	\$18.70
Public Safety	Correctional officers	440	(3%)	40	\$41.24

CC Training Sector	Middle-Skill Occupation	2021 Jobs	2021-2026 % Change	Annual Job Openings	Entry-level Hourly Wage
	Firefighters	177	(2%)	13	\$15.17
	Police and Sheriff's patrol officers	141	(0%)	11	\$31.66
Retail, Hospitality, and Tourism	First-line supervisors of retail workers	125	4%	14	\$17.43
	First-line supervisors of food preparation and serving workers	96	21%	19	\$16.06

### Above Middle-Skill Occupations

Exhibit 18 shows the top above middle-skill occupations employed in Amador County. The following above middle-skill occupations were selected for inclusion based on the following:

- Meeting the definition of "above middle-skill," i.e., these jobs require a bachelor's degree for entry-level positions. Many community colleges offer educational pathways that transfer to a four-year institution; as a result, community colleges can play a role in supporting the career pipeline.
- Pay at least the living wage for a single adult in Greater Sacramento (\$14.53 per hour).
- And these occupations have nine or more annual job openings in Amador County.

#### Exhibit 18. Top Above middle-skill occupations

Occupation	2021 Jobs	2021-2026 % Change	Annual Job Openings	Entry-Level Hourly Wage
Elementary School Teachers, Except Special Education	141	(9%)	10	\$29.40
Business Operations Specialists, All Other	109	4%	9	\$23.88
Secondary School Teachers, Except Special and Career/Technical Education	83	(7%)	5	\$29.86
Probation Officers and Correctional Treatment Specialists	74	3%	7	\$32.48

Occupation	2021 Jobs	2021-2026 % Change	Annual Job Openings	Entry-Level Hourly Wage
Accountants and Auditors	65	9%	7	\$27.87
Management Analysts	57	7%	6	\$31.04

### Below Middle-Skill Occupations

Exhibit 19 lists the top below middle-skill occupations that pay a living wage in Amador County. These occupations:

- Are defined as below middle-skill, i.e., entry-level jobs require no more than a high school diploma.
- Pay at least the living wage for a single adult in Greater Sacramento (\$14.53 per hour).
- Have five or more annual job openings in Amador County.
- These occupations also represent potential pathways into middle-skilled careers.

#### Exhibit 19. Top 10 Below middle-skill occupations

Occupation	2021 Jobs	2021-2026 % Change	Annual Job Openings	Entry-Level Hourly Wage
Maintenance and Repair Workers, General	161	4%	17	\$17.17
Construction Laborers	122	11%	15	\$15.63
Protective Service Workers, All Other	60	(3%)	15	60
Highway Maintenance Workers	53	1%	6	53

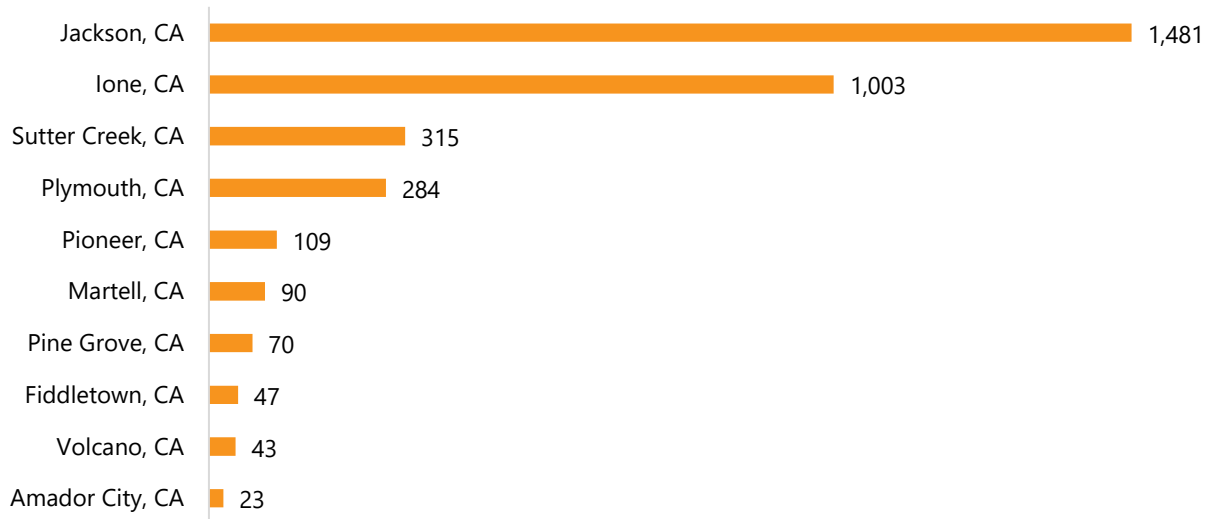
## JOB POSTINGS ANALYSIS

The North COE identified 3,489 online job postings in Amador County between January 1, 2022, and December 31, 2022. Job posting data comes from Lightcast (formerly Emsi Burning Glass) and represents unique listings posted online within the last year.

## Top Cities

Exhibit 20 shows the locations with the most job postings in Amador County between January 1, 2022, and December 31, 2022.

### Exhibit 20. Job postings by city



## Top Companies

Exhibit 21 shows the employers with the most job postings in Amador County between January 1, 2022, and December 31, 2022.

### Exhibit 21. Amador County employers with the most job postings

Company	Unique Postings (Jan 2022 - Dec 2022)	Median Posting Duration
Sutter Health	243	25 days
Silver Legacy Resort Casino	191	60 days
Jackson Rancheria Casino Resort	158	41 days
State of California	125	22 days
Live Nation	94	33 days
Lowe's	64	28 days
Amador County	51	46 days
California Correctional Health Care Services	51	24 days

Company	Unique Postings (Jan 2022 - Dec 2022)	Median Posting Duration
Walmart	49	36 days
Walgreens Boots Alliance	41	21 days

## Top Occupations

Exhibit 22 shows the occupations with the most job postings in Amador County between January 1, 2022, and December 31, 2022. Six of the top 10 occupations with the most job postings were middle-skilled.

### Exhibit 22. Occupations with the most job postings in Amador County

Occupation	CC Skill Level	Unique Postings (Jan 2022 - Dec 2022)	Median Posting Duration
Registered Nurses	Middle-skill	187	25 days
Retail Salespersons	Below middle-skill	91	23 days
Customer Service Representatives	Middle-skill	88	28 days
Heavy and Tractor-Trailer Truck Drivers	Middle-skill	80	20 days
First-Line Supervisors of Retail Sales Workers	Middle-skill	69	26 days
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	Below middle-skill	63	33 days
Cooks, Restaurant	Below middle-skill	61	21 days
Waiters and Waitresses	Below middle-skill	56	33 days
Security Guards	Middle-skill	55	39 days
Managers, All Other	Middle-skill	53	23 days

## Top Skills

Exhibit 23 shows the skills most in demand by Amador County employers.

### Exhibit 23. Amador County's most in-demand skills

Specialized Skills	Foundational Skills	Software and Technology Skills
Merchandising	Communications	Microsoft Excel
Nursing	Customer Service	Microsoft Office
Marketing	Management	Microsoft Outlook
Rehabilitation	Sales	Microsoft Word
Restaurant Operation	Operations	Microsoft PowerPoint
Cash Register	Lifting Ability	Swivel
Warehousing	Leadership	IBM WebSphere MQ
Cash Handling	Writing	Pinterest
Auditing	Problem-Solving	Google Workspace
Housekeeping	Detail Oriented	Google+

## COMMUNITY COLLEGE PROGRAM ANALYSIS

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Amador County is one of the few counties in the State not located in a California Community College district's boundary. However, the County is surrounded by several counties that various community colleges serve, and exhibit 24 lists the community colleges serving each of those counties.

The community college service areas surrounding Amador are split between the Greater Sacramento and the Central Valley Motherlode regions. Due to their proximity, these colleges may also extend their program offerings to Amador County.



**Exhibit 24. California Community Colleges serving counties surrounding Amador County**

County	Community Colleges	Economic Region
El Dorado (North of Amador)	Lake Tahoe Folsom Lake	Greater Sacramento
Alpine (East of Amador)	N/A	N/A
Calaveras (South of Amador)	San Joaquin Delta Columbia Modesto Junior	Central Valley Motherlode
San Joaquin (Southwest of Amador)	San Joaquin Delta Columbia Modesto junior	Central Valley Motherlode
Sacramento (West of Amador)	American River Cosumnes River Folsom Lake Sacramento City San Joaquin	Greater Sacramento Central Valley Motherlode

Since different community colleges could serve Amador County, exhibit 25 shows the County to main campus drive time. While many of the community college's career education programs have online coursework, some programs are confined to the campus due to hands-on learning components.

**Exhibit 25. Amador County to Main College Campus Travel Times**

Distance to Campus	Community College	One-Way Time to Travel (By car, during non-peak travel times)
<b>Under 50 miles</b>	Folsom Lake	56 minutes
<b>50 – 75 miles</b>	American River	1 hour 15 minutes
	Columbia	1 hour 12 minutes
	Cosumnes River	1 hour 6 minutes
	Sacramento City	1 hour 11 minutes
	San Joaquin Delta	1 hour 14 minutes
<b>75 – 100 miles</b>	Lake Tahoe	2 hours 42 minutes
	Modesto Junior	1 hour 33 minutes

Exhibit 26 shows the number of certificate and degree programs offered by community colleges in counties surrounding Amador County. For a detailed list of program codes and titles included in each training sector, please contact the Greater Sacramento Center of Excellence.

**Exhibit 26. Count of certificate and degree programs offered by community colleges surrounding Amador County**

Community College Training Sector	American River	Columbia	Cosumnes River	Folsom Lake	Lake Tahoe	Modesto	Sacramento City	San Joaquin Delta	Sector Program Offering Totals
<b>Advanced Manufacturing</b>	20	1	4	6	--	12	15	19	<b>77</b>
<b>Advanced Transportation and Logistics</b>	27	5	21	--	--	14	11	20	<b>98</b>
<b>Agriculture, Water, and Environmental Technologies</b>	9	5	11	1	3	32	1	12	<b>74</b>
<b>Business and Entrepreneurship</b>	23	7	18	11	11	9	15	15	<b>109</b>
<b>Education and Human Development</b>	11	3	7	5	3	6	6	6	<b>47</b>
<b>Energy, Construction,</b>	80	2	14	1	--	1	9	14	<b>121</b>

Community College Training Sector	American River	Columbia	Cosumnes River	Folsom Lake	Lake Tahoe	Modesto	Sacramento City	San Joaquin Delta	Sector Program Offering Totals
<b>and Utilities</b>									
<b>Health</b>	25	2	17	7	4	8	19	6	<b>88</b>
<b>Information and Communication Technologies (ICT) - Digital Media</b>	46	6	33	7	12	16	49	31	<b>200</b>
<b>Life Sciences - Biotechnology</b>	3	--	--	--	--	--	5	4	<b>12</b>
<b>Public Safety</b>	5	3	5	1	8	4	1	6	<b>33</b>
<b>Retail, Hospitality, and Tourism</b>	14	8	5		4	1	1	14	<b>47</b>
<b>Total Programs Offered</b>	<b>263</b>	<b>42</b>	<b>135</b>	<b>39</b>	<b>45</b>	<b>103</b>	<b>132</b>	<b>147</b>	<b>906</b>

Analysis of community college supply data shows that Greater Sacramento and Central Valley community colleges conferred an average of more than 7,000 certificates and degrees across all training sectors between the 2019-20 and 2021-22 academic years (Exhibit 27).

**Exhibit 27. Three-year average annual awards by community college training sector and region**

CC Training Sector	Average Annual Awards (2019-20 through 2021-22)	
	Greater Sacramento	Central Valley/Motherlode
Business and Entrepreneurship	1,310	699
Health	648	766
Information and Communication Technologies (ICT) - Digital Media	531	192
Education and Human Development	382	403
Public Safety	343	364
Energy, Construction, and Utilities	299	74
Advanced Transportation and Logistics	143	154
Advanced Manufacturing	106	92
Agriculture, Water, and Environmental Technologies	73	223
Retail, Hospitality, and Tourism	67	114
Life Sciences - Biotechnology	27	11
Global Trade	18	1
<b>3-Yr Avg Annual Award Totals</b>	<b>3,947</b>	<b>3,092</b>

## Folsom Lake College Training Opportunities

To assess for potential training opportunities in Amador County, the Greater Sacramento Center of Excellence compared Folsom Lake College's career education program supply to key middle-skill job openings in Amador County. A supply gap was identified when there were more job openings than awards. This analysis aims to provide a preliminary assessment of potential avenues for the college to expand its career education offerings into the County. Folsom Lake should use the results of this section to support identifying career education training in Amador County.

The most significant gap seems to be in the ICT-DM sector with FLC's Office Technology/Office Application programs, with 29 annual job openings for administrative assistants and first-line supervisors of administrative assistants. Folsom Lake programs housed under the office technology/office application TOP code include Accounting Computer Applications (certificate), Business Information Worker I (certificate), and Business Information Worker II (certificate). Please see Appendix D for matches between TOP codes and Folsom Lake's programs.

### Exhibit 28. Potential supply gap between Folsom Lake College's career education supply and Amador County's middle-skill occupations

Community College Sector	TOP Program	3-Yr Average	Aligned Occupation	2021-26 AJO	Potential Supply Gap?
<b>Advanced Manufacturing</b>	0956.00* Manufacturing and Industrial Technology	0	Industrial Engineering Technologists and Technicians	0	No
	0956.80* Industrial Quality Control	0	Inspectors, Testers, Sorters, Samplers, and Weighers	2	Yes
<b>Agriculture, Water, and Environmental Technologies</b>	0104.00* Viticulture, Enology, and Wine Business	0	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	3	Yes
<b>Business and</b>	0501.00* Business and Commerce,	11	General and Operations Managers	24	Yes

Community College Sector	TOP Program	3-Yr Average	Aligned Occupation	2021-26 AJO	Potential Supply Gap?
<b>Entrepreneurship</b>	General		Sales Managers	3	
	0502.00* Accounting	14	Bookkeeping, Accounting, and Auditing Clerks	18	Yes
	0506.00* Business Management	13	Management Analysts	6	No
	0506.40* Small Business and Entrepreneurship	6	Managers, All Other	4	No
<b>Education and Human Development</b>	1305.00* Child Development/Early Care and Education	90	Preschool Teachers, Except Special Education	3	No
			Kindergarten Teachers, Except Special Education	1	
	1305.80* Child Development Administration and Management	7	Education and Childcare Administrators, Preschool and Daycare	0	No
	1305.90* Infants and Toddlers	5	Childcare Workers	7	Yes
<b>Energy, Construction, and Utilities</b>	0958.00* Water and Wastewater Technology	6	Water and Wastewater Treatment Plant and System Operators	4	No
<b>Health</b>	1205.00* Medical Laboratory Technology	8	Clinical Laboratory Technologists and Technicians	1	No

Community College Sector	TOP Program	3-Yr Average	Aligned Occupation	2021-26 AJO	Potential Supply Gap?
	1225.00* Radiologic Technology	7	Radiologic Technologists and Technicians	1	No
			Magnetic Resonance Imaging Technologists	0	
			Medical Dosimetrists	0	
	1250.00* Emergency Medical Services	0	Emergency Medical Technicians	2	Yes
1306.00* Nutrition, Foods, and Culinary Arts	6	Dietitians and Nutritionists	0	No	
<b>Information and Communication Technologies (ICT) / Digital Media</b>	0514.00* Office Technology/Office Computer Applications	3	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	17	Yes
			First-Line Supervisors of Office and Administrative Support Workers	12	
	0701.00* Information Technology, General	6	Computer User Support Specialists	2	No
	0707.10* Computer Programming	10	Computer Programmers	0	No
Software Developers			2		



Community College Sector	TOP Program	3-Yr Average	Aligned Occupation	2021-26 AJO	Potential Supply Gap?
	1005.00* Commercial Music	2	Music Directors and Composers	0	No
			Musicians and Singers	1	
<b>Public Safety</b>	2105.00* Administration of Justice	48	Police and Sheriff's Patrol Officers	11	No
	1006.00* Technical Theater	0	Set and Exhibit Designers	0	No
<b>Unassigned Sector</b>	2104.00* Human Services	0	Social and Community Service Managers	4	Yes
			Social Workers, All Other	2	
	<b>Folsom Lake Avg. Annual Award Totals</b>	<b>337</b>	<b>Amador County Avg. Annual Job Openings</b>	<b>145</b>	

# KEY FINDINGS AND RECOMMENDATIONS

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**Amador County's population is primarily made up of retirees or soon-to-be retirees. But projected population changes over the next ten years will underscore the need for aligned connections to higher education systems.**

- Most of Amador's projected population growth is concentrated among adults over 60. Residents aged 60 years and older are projected to increase by 17%, adding nearly 2,500 more individuals to their ranks between 2020 and 2030.
- Though the County's resident population is increasingly aging, Amador will also experience a significant increase among its residents under 19 years old. Between 2020 and 2030, residents under 19 are projected to increase by 20%.
- Compared to the Greater Sacramento subregion, Amador County's residents tend to have higher levels of educational attainment consistent with community college offerings. In 2020, 42% of Amador's residents had either attended some college or earned an associate degree, compared to 35% of the population in Greater Sacramento.

**Job growth in Amador County's industry sectors is projected to keep pace with the Greater Sacramento subregion and outperform the State.**

- In 2021, Amador contained 12,324 jobs across all sectors in the County. Over the next five years, sector employment in Amador County is projected to increase by 7% - the same rate as the Greater Sacramento subregion and much faster than the State average of 4%. Amador County is expected to add nearly 1,000 new jobs by 2026.

**A significant share of Amador's sector employment is concentrated in a few sectors, which seem to be high performers for the County.**

- Eighty percent of Amador's jobs are in six sectors: government, health care and social assistance, retail trade, accommodations and food services, manufacturing, and construction. These sectors also constituted the top sectors with the most employment in 2021.
- Nearly 70% of the County's projected job growth is expected to occur in all but one of these sectors – government. Amador County's job loss in the government sector closely follows trends across Greater Sacramento's and the State's government sectors.<sup>7</sup>
- When the manufacturing and agriculture sectors are combined, they rank as Amador's fourth largest sector employer. Together, these sectors contained around 1,000 jobs in 2021. Projected job losses in agriculture are offset by job gains in manufacturing, leading to stable employment in the industry. Furthermore, manufacturing and agriculture are culturally crucial to Amador County, as the area is known for its wineries and vineyards.

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<sup>7</sup> Reference NFNRC strategic plan

**There are opportunities for middle-skill employment in nearly every community college sector in Amador County. The availability of middle-skill job opportunities in Amador resembles those in the Greater Sacramento area and matches statewide job trends.**

- Though some job numbers were small, Amador County has middle-skill annual job openings associated with nearly every community college sector. Between 2021 and 2026, Amador County will have an estimated 670 job openings yearly for middle-skill occupations.
- Like the Greater Sacramento subregion (and North Far North region), the business and health sectors have the most annual openings in Amador County.<sup>8</sup> Between 2021 and 2026, there will be an estimated 160 annual openings in the business sector and another 142 annual openings in the health sector in Amador County.
- Surprisingly, little data highlighted the demand for jobs in Amador's wineries and vineyards. A deep dive into subsector industries showed sizable employment in the wineries, crop production, and soil preparation industries (about 400 jobs in 221). Winery and vineyard jobs were also noticeably absent from job postings. This finding suggests a couple of things: Amador's wine industry may still be recovering from the impacts of the pandemic, and finding jobs in the industry may rely more on informal networks rather than online job postings.
- It's also important to note that Amador County is home to two federally recognized tribes and tribal lands: the Lone Band of Miwok Indians and the Jackson Band of Miwok Indians (also known as Jackson Rancheria). The Jackson Band of Miwok Indians owns and operates the Jackson Rancheria Casino Resort. The Lone Band of Miwok Indians recently announced plans to open a new casino in Plymouth.<sup>9</sup> Harrah's of Northern California is also located in Amador County (Lone, CA) and is owned by the Buena Vista Rancheria of Me-Wuk Indians. Employment data for tribally affiliated casino hotels are not included in industry job counts due to limited data sharing between tribal and State governments.

**Amador County is one of the few counties in the State not located within a California Community College district's service area. However, the County is surrounded by several counties that various community colleges serve, and each of these colleges may potentially provide career education training to the County.**

- Eight community colleges are within 100 miles of Amador County, including the Greater Sacramento colleges of American River, Cosumnes River, Folsom Lake, Lake Tahoe, and Sacramento City and the Central Valley/Motherlode colleges of Columbia, Modesto Junior,

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<sup>8</sup> NFN Center of Excellence for Labor Market Research, 2023, "Labor Market, Enrollment, Awards, and Outcomes" report, available through the COE website (<https://coecc.net/>).

<sup>9</sup> Reference news article: <https://www.prnewswire.com/news-releases/ione-band-of-miwok-indians-partners-with-warner-gaming-for-development-project-in-plymouth-california-301643025.html>

and San Joaquin Delta. Folsom Lake College is physically closest to Amador, with less than 50 miles and under one hour of driving time.

- These eight community colleges offer over 900 certificate and degree programs across all community college training sectors. The training sectors with the most programs include ICT/DM, ECU, and Business.
- Given that distance may pose a challenge for prospective students commuting between Amador County and a community college campus, community colleges should prioritize offering online career education programs to Amador residents.
- Community colleges should also look for ways to partner with Amador County's employers to ensure any career education programming offered aligns well with the most in-demand jobs and skills.
- Community colleges interested in providing educational programs to Amador County residents should also consider offering programming through community education. Community education courses are fee-based and paid for by individuals taking the class. Given that fifty percent of Amador's residents are aged 50 years or older (36% of the County's residents are 60 years+), community education may be a positive way to expand community college offerings to a larger population of potential students in the County.

**There are a few potential avenues for Folsom Lake to expand its current roster of career education training programs to residents and workers of Amador County.**

- While most supply gaps in Amador County are small, an analysis of Folsom Lake's educational supply and Amador County's labor market demand found several potential training gaps in the manufacturing, agriculture, business, education, health, and information sectors.
- The most significant gap was in the information (ICT-DM) sector with Folsom Lake's office technology/office application programs. Amador County has an estimated 29 yearly openings for administrative roles (secretaries, administrative assistants, and supervisors of office workers), and Folsom Lake conferred an average of 3 awards in the related 0514.00 TOP code programs. Folsom Lake offers three certificate programs under the 0514.00 TOP code, including accounting computer applications, business information worker I, and business information worker II.
- Additionally, given Amador's close ties to the wine industry, Folsom Lake may have the opportunity to market and expand its existing vineyard and winery management program to the County. Beware that projected job demand for a critical role in wine production is small – brewers, cellar workers, and winemakers (aka "separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders"). However, limited job postings data suggest that additional job opportunities may be found through informal wine industry networks.

- Lastly, Folsom Lake should work with other community colleges to identify the type of training that already exists in Amador County. The goal is to know what Central Valley/Motherlode community colleges are already doing to prevent overlap and duplication of services provided in Amador County.

## APPENDIX A. DATA SOURCES

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Lightcast (Formerly EMSI/Burning Glass) 2022.4; QCEW, Non-QCEW, and Self-Employed.

<https://www.economicmodeling.com/>.

*Note: EMSI occupational 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).*

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## APPENDIX B. AMADOR COUNTY EMPLOYMENT BY SECTOR

**Exhibit B1. Employment by Industry Sector**

Industry (2-digit NAICS)	2021 Jobs	2026 Jobs	2021-2026 Change	2021-2026 % Change	Avg. Earnings per Job	2021 Location Quotient
Government	4,549	4,492	(57)	(1%)	\$94,845	2.52
Health Care and Social Assistance	1,630	1,828	197	12%	\$71,677	1.03
Retail Trade	1,571	1,609	38	2%	\$40,763	1.29
Accommodation and Food Services	1,055	1,324	269	26%	\$27,845	1.12
Manufacturing	640	688	48	8%	\$56,899	0.67
Construction	626	712	85	14%	\$64,450	0.88
Other Services (except Public Administration)	373	429	56	15%	\$38,305	0.59
Agriculture, Forestry, Fishing, and Hunting	364	343	(21)	(6%)	\$49,213	2.36
Professional, Scientific, and Technical Services	240	240	(0)	(0%)	\$68,494	0.28
Mining, Quarrying, and Oil and Gas Extraction	219	275	56	26%	\$92,966	5.54
Administrative and Support and Waste Management and Remediation Services	198	248	50	25%	\$52,005	0.26
Finance and Insurance	195	179	(16)	(8%)	\$81,382	0.38

Industry (2-digit NAICS)	2021 Jobs	2026 Jobs	2021-2026 Change	2021-2026 % Change	Avg. Earnings per Job	2021 Location Quotient
Arts, Entertainment, and Recreation	177	239	62	35%	\$30,539	0.94
Transportation and Warehousing	151	173	22	15%	\$73,075	0.29
Information	120	173	53	44%	\$83,696	0.53
Utilities	77	94	17	22%	\$216,257	1.85
Real Estate and Rental and Leasing	65	68	3	4%	\$41,646	0.30
Wholesale Trade	44	57	12	27%	\$67,717	0.10
Management of Companies and Enterprises	19	12	(7)	(36%)	\$185,310	0.11
Educational Services	10	11	0	5%	\$38,122	0.03
<b>Amador Totals</b>	<b>12,324</b>	<b>13,192</b>	<b>868</b>	<b>7%</b>		



# APPENDIX C. SUBSECTOR INDUSTRY EMPLOYMENT

Exhibits C1 through C6 show up to the top 10 industries influencing sector employment in Amador County.

## Exhibit C1. Government in Amador County

Industry	2021 Jobs	2026 Jobs	2021 - 2026 Change	2021 - 2026 % Change	2021 Establishments
State Government, Excluding Education, and Hospitals	1,930	2,007	77	4%	57
Local Government, Excluding Education and Hospitals	1,923	1,832	(91)	(5%)	32
Elementary and Secondary Schools (Local Government)	549	508	(41)	(7%)	15
Federal Government, Military	71	80	9	12%	0
US Postal Service	50	47	(2)	(5%)	9
Federal Government, Civilian, Excluding Postal Service	26	17	(9)	(34%)	2
<b>Amador County Totals</b>	<b>4,549</b>	<b>4,492</b>	<b>(57)</b>	<b>(1%)</b>	<b>115</b>

## Exhibit C2. Health care and social assistance in Amador County

Industry	2021 Jobs	2026 Jobs	2021 - 2026 Change	2021 - 2026 % Change	2021 Establishments
General Medical and Surgical Hospitals	529	607	77	15%	2
Services for the Elderly and Persons with Disabilities	310	399	89	29%	236

Industry	2021 Jobs	2026 Jobs	2021 - 2026 Change	2021 - 2026 % Change	2021 Establishments
Assisted Living Facilities for the Elderly	117	137	20	17%	5
Offices of Dentists	86	76	(11)	(13%)	10
Offices of Physicians (except Mental Health Specialists)	80	76	(4)	(5%)	24
Home Health Care Services	72	44	(29)	(40%)	5
Ambulance Services	60	42	(18)	(30%)	1
Child and Youth Services	53	74	21	40%	2
All Other Outpatient Care Centers	43	72	29	66%	2
All Other Industries	278	301	23	8%	41
<b>Amador County Totals</b>	<b>1,630</b>	<b>1,828</b>	<b>197</b>	<b>12%</b>	<b>328</b>

### Exhibit C3. Retail Trade in Amador County

Industry	2021 Jobs	2026 Jobs	2021 - 2026 Change	2021 - 2026 % Change	2021 Establishments
Supermarkets and Other Grocery (except Convenience) Stores	475	519	44	9%	11
Department Stores	217	202	(15)	(7%)	1
Home Centers	177	175	(1)	(1%)	2
Gasoline Stations with Convenience Stores	108	102	(6)	(5%)	16
Beer, Wine, and Liquor Stores	73	80	7	9%	5

Industry	2021 Jobs	2026 Jobs	2021 - 2026 Change	2021 - 2026 % Change	2021 Establishments
Hardware Stores	52	51	(1)	(2%)	7
Pharmacies and Drug Stores	50	44	(6)	(11%)	5
Automotive Parts and Accessories Stores	46	46	1	2%	4
Pet and Pet Supplies Stores	44	44	(0)	(0%)	4
All Other Industries	329	344	15	5%	61
<b>Amador County Totals</b>	<b>1,571</b>	<b>1,609</b>	<b>38</b>	<b>2%</b>	<b>115</b>

**Exhibit C4. Accommodation and Food Services (aka the Hospitality sector)**

Industry	2021 Jobs	2026 Jobs	2021 - 2026 Change	2021 - 2026 % Change	2021 Establishments
Full-Service Restaurants	413	586	173	42%	37
Limited-Service Restaurants	318	363	45	14%	24
Hotels (except Casino Hotels) and Motels	144	184	40	28%	11
Snack and Nonalcoholic Beverage Bars	93	100	7	8%	10
Drinking Places (Alcoholic Beverages)	29	34	5	18%	6
RV (Recreational Vehicle) Parks and Campgrounds	28	34	6	21%	2
Recreational and Vacation Camps (except Campgrounds)	22	18	(4)	(16%)	3
All Other Industries	8	4	(3)	(43%)	4

Industry	2021 Jobs	2026 Jobs	2021 - 2026 Change	2021 - 2026 % Change	2021 Establishments
<b>Amador County Totals</b>	<b>1,055</b>	<b>1,324</b>	<b>269</b>	<b>26%</b>	<b>96</b>

**Exhibit C5. Manufacturing + Agriculture in Amador County (aka the "Wine County" sector)**

Industry	2021 Jobs	2026 Jobs	2021 - 2026 Change	2021 - 2026 % Change	2021 Establishments
Wineries	260	225	(34)	(13%)	31
Breweries	80	124	44	55%	2
Crop Production	76	65	(11)	(14%)	14
Soil Preparation, Planting, and Cultivating	74	76	2	3%	5
Farm Labor Contractors and Crew Leaders	69	49	(20)	(29%)	3
Animal Production	65	64	(2)	(3%)	14
Laminated Plastics Plate, Sheet (except Packaging), and Shape Manufacturing	59	87	28	48%	1
Printed Circuit Assembly (Electronic Assembly) Manufacturing	56	72	16	28%	2
Logging	39	26	(13)	(33%)	5
All Other Industries	226	243	17	8%	29
<b>Amador County Totals</b>	<b>1,003</b>	<b>1,031</b>	<b>28</b>	<b>3%</b>	<b>106</b>

### Exhibit C6. Mining

Industry	2021 Jobs	2026 Jobs	2021 - 2026 Change	2021 - 2026 % Change	2021 Establishments
Other Crushed and Broken Stone Mining and Quarrying	126	156	30	24%	3
Industrial Sand Mining	82	102	20	24%	1
All Other Metal Ore Mining	10	17	7	67%	1
All Other Industries	<10	<10	Insf. Data	Insf. Data	1
<b>Amador County Totals</b>	<b>219</b>	<b>275</b>	<b>56</b>	<b>26%</b>	<b>6</b>

# APPENDIX D. FOLSOM LAKE COLLEGE'S CAREER EDUCATION PROGRAMS

Exhibit D shows Folsom Lake College's career education programs' alignment with the California Community College Taxonomy of Programs (TOP) codes. Community college awards are aggregated under TOP codes. Knowing which programs are housed in the TOP codes is helpful in understanding which programs contribute to award counts for the colleges.

## Exhibit D. Summary of Folsom Lake College's career education programs by TOP code and program titles

TOP Code	Program Title	Award Offered
<b>0104.00* Viticulture, Enology, and Wine Business</b>	Small Vineyard and Winery Management	A.S. Degree
<b>0501.00* Business and Commerce, General</b>	Business: General	A.A. Degree
	New World of Work	Certificate
	Business Analyst/Data Analytics	A.A. Degree
<b>0502.00* Accounting</b>	Accounting	Certificate
	Accounting	A.A. Degree
<b>0506.00* Business Management</b>	Project Management	Certificate
	Public Management/Civil Service	Certificate
	Public Management/Civil Service	A.A. Degree
	Business Analyst	Certificate
<b>0506.40* Small Business and Entrepreneurship</b>	Small Business Management/Entrepreneurship	Certificate
	Small Business Management: Entrepreneurship	A.A. Degree
<b>0514.00* Office Technology/Office Computer Applications</b>	Accounting Computer Applications	Certificate
	Business Information Worker I	Certificate
	Business Information Worker II	Certificate

TOP Code	Program Title	Award Offered
<b>0701.00* Information Technology, General</b>	Information Technology	A.S. Degree
<b>0707.10* Computer Programming</b>	Computer Programming	Certificate
<b>0956.00* Manufacturing and Industrial Technology</b>	CAD/CAM Programming	Certificate
	Manufacturing and Industrial Technology	A.S. Degree
	Manufacturing and Industrial Technology	Certificate
	Production Planning	Certificate
<b>0956.80* Industrial Quality Control</b>	Quality Technician	Certificate
<b>0958.00* Water and Wastewater Technology</b>	Water/Wastewater Management	Certificate
<b>0999.00* Other Engineering and Related Industrial Technologies</b>	Modern Making	Certificate
<b>1005.00* Commercial Music</b>	Commercial Music: Multimedia Music Composition	Certificate
	Commercial Music: Performance	Certificate
<b>1006.00* Technical Theater</b>	Theatre Arts: Technical	Certificate
<b>1201.00* Health Occupations, General</b>	Pre-Health Occupations	A.S. Degree
<b>1205.00* Medical Laboratory Technology</b>	Medical Laboratory Technician	A.S. Degree
<b>1225.00* Radiologic Technology</b>	Computed Tomography	Certificate
	Magnetic Resonance Imaging	Certificate
	Vascular-Interventional Radiography	Certificate
<b>1250.00* Emergency Medical</b>	Emergency Medical Studies	Certificate

TOP Code	Program Title	Award Offered
<b>Services</b>		
<b>1305.00* Child Development/Early Care and Education</b>	Early Childhood Education	A.A. Degree
	ECE-Master Teacher	Certificate
	Early Childhood Education Teacher	Certificate
<b>1305.80* Child Development Administration and Management</b>	ECE Site Supervisor	A.A. Degree
<b>1305.90* Infants and Toddlers</b>	ECE Infant Specialist	Certificate
<b>1306.00* Nutrition, Foods, and Culinary Arts</b>	Nutrition Education	Certificate
<b>2104.00* Human Services</b>	Human Services Specialist	Certificate
	Social Work/Human Services, General	A.A. Degree
	Human Services Paraprofessional	Certificate
<b>2105.00* Administration of Justice</b>	Administration of Justice	A.A. Degree



**COVID-19 Statement:** This report includes employment projection data produced by Lightcast (formerly EMSI). Employment projections are developed using models based on historical data, which in this set of projections covers the period through 2021. Most input data, therefore, precedes the pandemic. Employment projections are long-term projections intended to capture structural changes in the economy, not cyclical fluctuations. As such, projections data are not intended to capture the impacts of the recession that began in February 2020. Cyclical fluctuations, like recessions, impact projects when they become part of the historical data set.

**Important Disclaimer:** All representations included in this report have been produced from primary research and/or secondary review of publicly and/or privately available data and/or research reports. Efforts have been made to qualify and validate the accuracy of the data and the reported findings; however, neither the Centers of Excellence, COE host District, nor California Community Colleges Chancellor's Office are responsible for applications or decisions made by recipient community colleges or their representatives based upon components or recommendations contained in this study.

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