

Top Ten Industry Sectors in Stanislaus County, California

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Table of Contents

A. Industry Snapshot	1
I. Employment.....	1
II. Average Annual Wage	4
Column Definition	7
Data References.....	7
B. Economic Facts	8
Column Definition	11
Data References.....	11
C. Occupations	12
I. Health Care and Social Assistance	12
II. Government	12
III. Retail Trade.....	13
IV. Manufacturing	15
V. Accommodation and Food Services.....	16
VI. Agriculture, Forestry, Fishing and Hunting	16
VII. Construction	17
VIII. Transportation and Warehousing	18
IX. Administration and Support and Waste Management and Remediation Services	19
X. Other Services (except Public Administration)	19
Column Definition.....	20
Data References.....	20

A. Industry Snapshot

The North American Industry Classification System (NAICS) is the standard used by Federal statistical agencies in classifying business establishments for the purpose of collecting, analyzing, and publishing statistical data related to the U.S. business economy. For this report, the industries examined are represented by the first 2 digits of the NAICS Code, which shows us the overall industry, rather than industry sub-sector information.

I. Employment

For 2-NAICS-digit level, based on figure A.2 and A.3, the top ten sectors that had the largest employment in 2020 were:

1. Health Care and Social Assistance
2. Government
3. Retail Trade
4. Manufacturing
5. Accommodation and Food Services
6. Agriculture, Forestry, Fishing and Hunting
7. Construction
8. Transportation and Warehousing
9. Administrative and Support and Waste Management and Remediation Services
10. Other Services (except Public Administration)

Health Care and Social Assistance had the largest employment among all industries in Stanislaus County in 2020 with 33,128 workers (figure A.1 and A.2). The sector is forecasted to have employment growth of 5,370 employees or about 3.05% of the annual growth rate in the next 5 years (figure A.3).

Government sector ranked 2nd with 30,793 employees in 2020 (about 15.9% of the total Stanislaus county employment). *Government* sector includes many subsectors such as

- US Postal Service, Civilian, and Military (Federal)
- Education and Hospitals (Local and State Government)
- Non-Education and Hospitals (Local and State Government)

Manufacturing ranked 4th in the top ten sector list with about 10.9% of the total Stanislaus County employment. However, the 5-year anticipated data shows that the number of employees will decrease by (-309), and the annual growth rate is expected to be (-0.29%) (figure A.3).

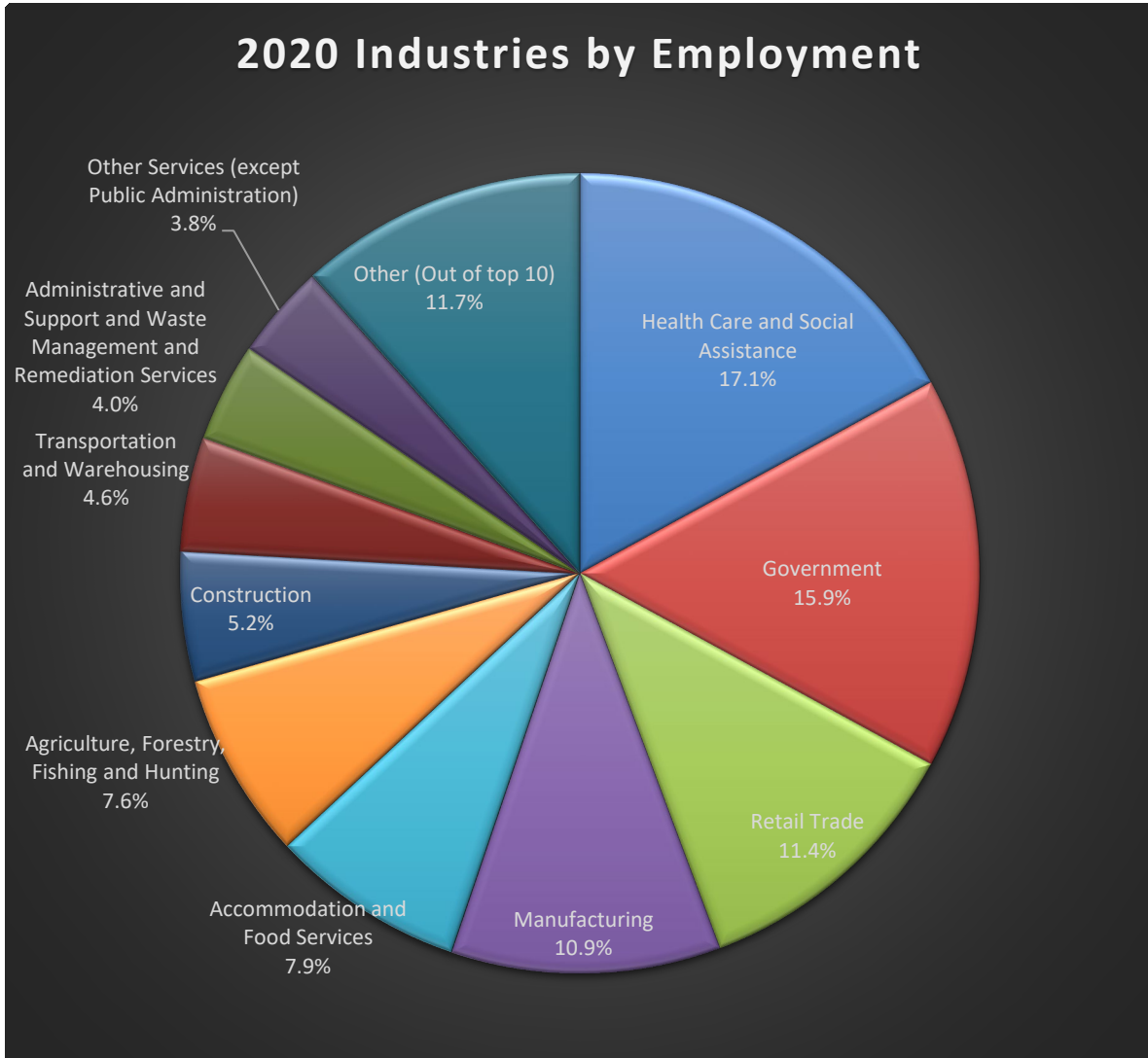


Figure A.1: Top 10 2-digit sectors with the largest employment in Stanislaus County in 2020 (Source: EMSI)

Description	2020 Employment	2020 Wages, Salaries, & Proprietor Earnings
Health Care and Social Assistance	33,128	\$63,403
Government	30,793	\$58,295
Retail Trade	22,089	\$34,643
Manufacturing	21,153	\$65,662
Accommodation and Food Services	15,262	\$20,218
Agriculture, Forestry, Fishing and Hunting	14,739	\$40,493
Construction	10,155	\$62,197
Transportation and Warehousing	8,959	\$55,951
Administrative and Support and Waste Management and Remediation Services	7,791	\$40,336
Other Services (except Public Administration)	7,447	\$29,153

Figure A.2: Top 10 2-digit sectors with the largest employment in Stanislaus County in 2020 (Source: EMSI)

Description	2025 Employment	2020 - 2025 Employment Change	Annual Growth Rate
Health Care and Social Assistance	38,498	5,370	3.05%
Government	32,542	1,749	1.11%
Retail Trade	22,325	236	0.21%
Manufacturing	20,844	(309)	(-0.29%)
Accommodation and Food Services	15,996	734	0.94%
Agriculture, Forestry, Fishing and Hunting	15,090	350	0.47%
Construction	10,559	404	0.78%
Transportation and Warehousing	10,045	1,086	2.32%
Administrative and Support and Waste Management and Remediation Services	8,334	543	1.36%
Other Services (except Public Administration)	7,397	(50)	(-0.13%)

Figure A.3: Employment Forecasts of the Top 10 2-digit sectors with the largest employment in Stanislaus County in 2020 (Source: EMSI)

II. Average Annual Wage

Figure A.4 indicates that the average wage per worker in Stanislaus County in 2020 was \$51,667, about \$9,000 lower than the national annual wage of \$60,761 and \$22,500 lower than the California state annual wage of \$74,294.

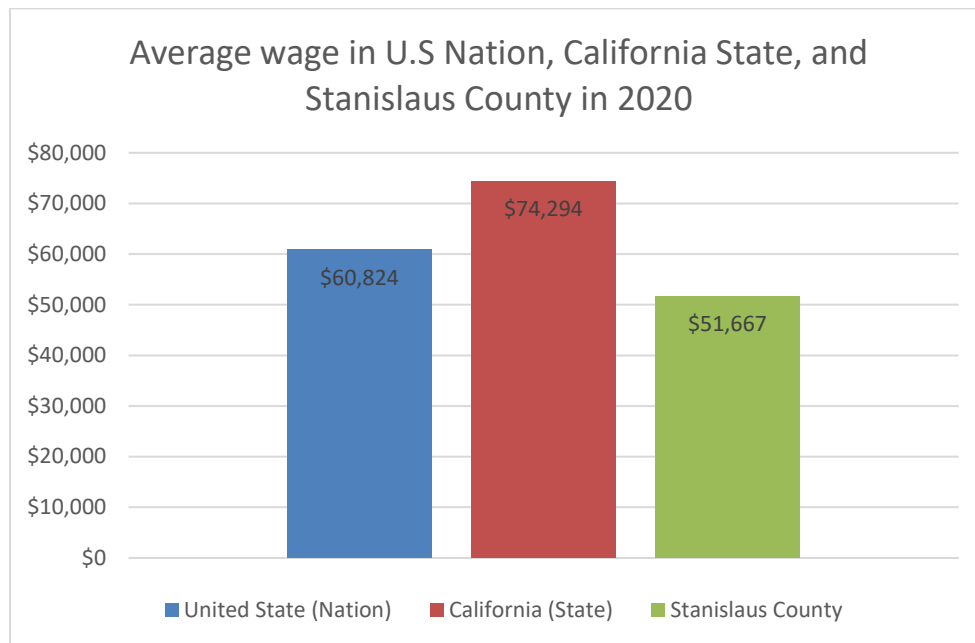


Figure A.4: Average Wages per worker in the U.S Nation, California State, and Stanislaus County in 2020 (Source: EMSI)

Manufacturing employees got the highest compensation, an average of \$65,662 in Stanislaus County in 2020, while it ranked 4th in the top ten largest employment list.

Health Care and Social Assistance workers earned the second-highest average annual wage with, \$63,403.

Construction sector, with only 10,155 employees, brought to the workers an annual income of about \$62,197 in 2020.

Although *Government* sector had the second largest employment, the workers in that industry earned an average annual wage of \$58,295 in 2020, which was lower than *Manufacturing*, *Health Care and Social Assistance*, and *Construction* workers.

Accommodation and Food Services employees earned the lowest average income among the top 10 sectors, about \$20,218 per year.

Figure A.5 illustrates the average annual wage trend of the top 10 industries in Stanislaus County, and figure A.6 shows the annual growth rate of the average annual wages from 2010 to 2020. Notice that all lines were moving upward over time.

Although *Health Care and Social Assistance* was always in the top 2 occupations with the highest annual salary, its growth rate was the lowest among all, only 1.46% per year (figure A.6), which means that the wages of the *Health Care and Social Assistance* workers had not raised much from 2010.

In the last 8 years (2012 - 2020), *Manufacturing* line moved above other sectors. The value rose from \$51,247 in 2010 to \$65,662 in 2020. The annual growth rate from 2010 to 2020 was 2.51%.

Agriculture, Forestry, Fishing, and Hunting average annual wage had surged the most, about 4.65% each year (figure A.6) from \$25,692 in 2010 to \$40,493 in 2020.

Accommodation and Food Services line was always below other sectors, and it also looked flatter than the others, indicating that over the past 10 years *Accommodation and Food Services* workers had been receiving the lowest average income compared with other top 10 sectors, and the pay rate had not increased significantly.

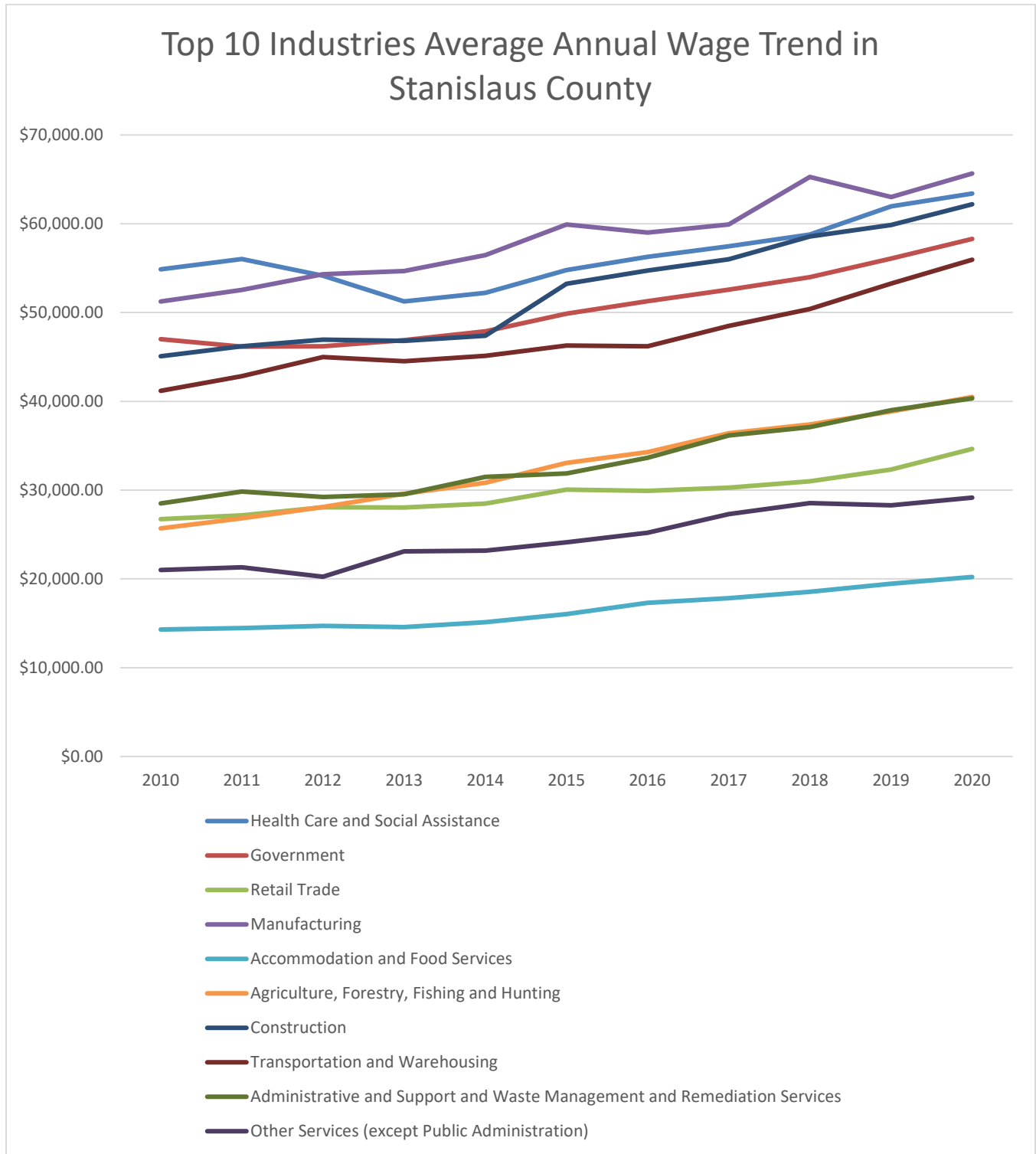


Figure A.5: Average annual wage trend of the top 10 industries in Stanislaus County from 2010 to 2020
(Source: EMSI)



Figure A.6: Annual Growth Rate of the Average Annual Wage of top 10 industries in Stanislaus County from 2010 to 2020 (Source: EMSI)

Formula for Figure A.6 Statistics:

$$\text{Change} = \left(\left(\frac{\text{Annual Average Wage in 2020}}{\text{Annual Average Wage in 2010}} \right)^{\frac{1}{10}} - 1 \right) * 100\%$$

Column Definition:

- **Wages, Salaries, & Proprietor Earnings:** The average annual wages for the designated subsectors.
- **Employment Change:** The forecast employment growth demand over the number of projection years selected by the user.
- **Annual Growth Rate:** The forecast average annual growth rate. This measure can be computed by the following formula: $((\text{Current Employment} + \text{Growth Employment}) / \text{Current Employment})^{(1/\# \text{ of years})} - 1$

Data references:

Top 10 Sectors - Updated\A.Industry Snapshot\A1-A2-A3 All Industries

Top 10 Sectors - Updated\ A.Industry Snapshot\A5-A6 Historical Avg Wage

B. Economic Facts

Figure B.1 shows the Gross Regional Product of the ten industries with the largest employment in Stanislaus County in 2020 ordered by the 2020 Property Income/Profits. “Earnings” column illustrates the total industry earnings for a region, including wages, salaries, supplements (additional employee benefits), and proprietor income.

Industry	2020 Earnings	2020 Property Income/ Profits	2020 Taxes	2020 Subsidies
Manufacturing	\$1,789,300,052	\$1,695,830,209	\$198,605,062	(\$163,232)
Health Care and Social Assistance	\$2,677,382,755	\$561,689,131	\$73,270,889	(\$0)
Agriculture, Forestry, Fishing and Hunting	\$914,577,953	\$482,982,570	\$79,948,777	(\$808,481,049)
Retail Trade	\$1,050,094,219	\$264,320,769	\$411,784,702	\$0
Construction	\$889,828,269	\$199,147,289	\$14,589,107	\$0
Government	\$2,662,211,802	\$186,532,583	\$0	(\$26,105,145)
Transportation and Warehousing	\$939,561,557	\$154,674,594	\$33,553,513	(\$24,354,453)
Accommodation and Food Services	\$421,388,674	\$131,447,181	\$105,632,150	\$0
Administrative and Support and Waste Management and Remediation Services	\$500,296,242	\$114,585,149	\$18,546,780	\$0
Other Services (except Public Administration)	\$430,822,225	\$25,319,297	\$38,992,487	\$0

Figure B.1: Gross Regional Product of the ten industries with the largest employment in Stanislaus County in 2020 (Source: EMSI).

Health Care and Social Assistance had appeared to be the most attractive sector for workers due to its high demand and huge potential growth rate. The profit from *Health Care and Social Assistance* was not significant compared to its earnings in 2020. The main reason was the high cost of medical labor and tools. The 2020 Earning was \$2,677,382,755, which was the highest-earning amount among the top industries, and the 2020 Profit was \$561,689,131.

Manufacturing had the greatest profit among all top industries in Stanislaus County. The earnings ranked 2nd while the profits ranked 1st in the table. About \$1,695,830,209 was created as profit from *Manufacturing* activities. Furthermore, *Manufacturing* sector received an amount of \$163,232.00 in subsidies in 2020. As a result, considering economic factors alone, *Manufacturing* was the most beneficial sector to invest in.

Agriculture, Forest, Fishing and Hunting received the largest total subsidies from the government. The grants amounted to \$808,481,091 in 2020.

Government sector had a huge earning of \$2,662,211,802 and received the total subsidies of \$24,354,453 in 2020.

Question 1: Among the top ten sectors, which sector will create the greatest economic impact if adding 1,000 jobs to it?

Figure B.2 is calculated based on the NAICS 6-DIGIT Industry report on EMSI. On average, adding 1000 jobs to Agriculture Industry will create 338 other jobs.

Health Care and Social Assistance has appeared to be the most attractive sector for workers due to its high demand and huge potential growth rate. The expansion of 1,000 jobs in *Health Care and Social Assistance* can make the addition of 412 positions to the industry.

It is interesting that adding 1,000 positions to *Government* has the greatest economic impact on Stanislaus County. It can lead to an addition of 710 open jobs in the area.

Transportation and Warehousing is another outstanding sector to look at. About 547 positions will be added as a result of the expansion of 1000 jobs in the sector.

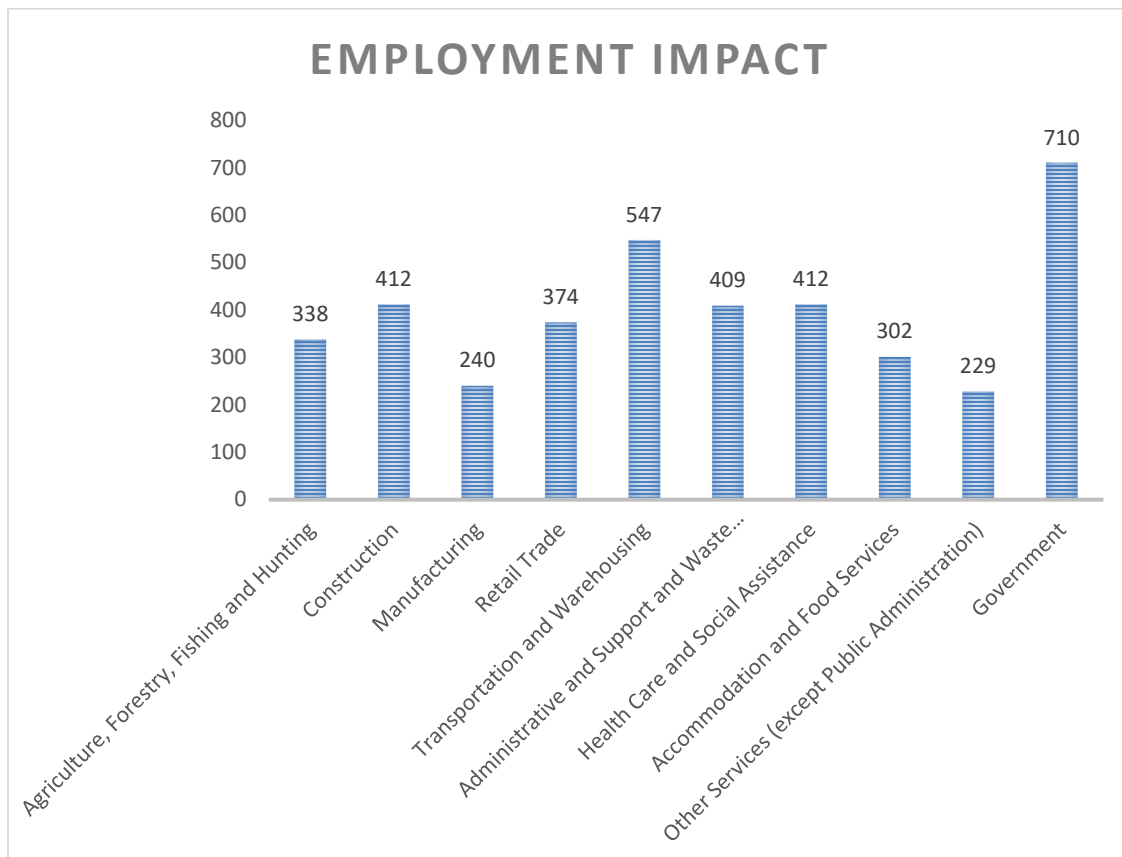


Figure B.2: Average Total Employment Impact on the top ten sectors of Stanislaus County in 2020
(Source: EMSI)

Formulas:

$$\text{Employment Impact on one sector} = \frac{\text{sum of employment impact on the sector's 6 DIGIT subsectors (NAICS)}}{\text{total \# of the sector's 6 DIGIT subsectors (NAICS)}}$$

Question 2: Among the top ten sectors, which sector will create the greatest economic impact if adding \$1,000 to it?

Figure B.3 is calculated based on the NAICS 6-DIGIT Industry report on EMSI. On average, for every \$1000 fed into *Retail Trade*, it will lead to an additional of \$153.10 in Sales.

Manufacturing had the least ripple effect when it can add only \$127.81 on every \$1000 adding to the sector while table B.1 shows that *Manufacturing* created the highest profits in 2020.

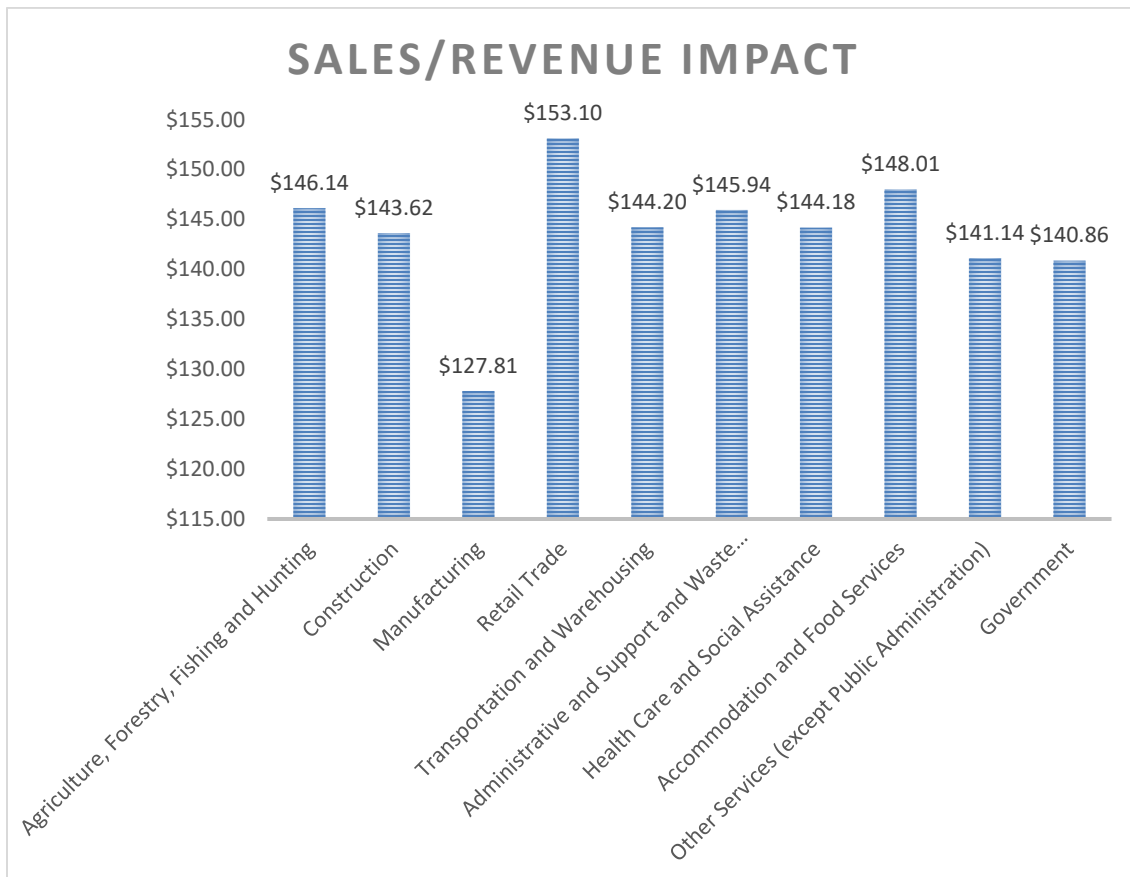


Figure B.3: Average Total Sales Impact on the top ten sectors of Stanislaus County in 2020 (Source: EMSI)

Formulas:

$$\text{Employment Impact on one sector} = \frac{\text{sum of sales impact on the sector's 6 DIGIT subsectors (NAICS)}}{\text{total \# of the sector's 6 DIGIT subsectors (NAICS)}}$$

Column Definition

- **Earnings:** Total industry earnings for a region, including wages, salaries, supplements, and proprietor income.
- **Property Income:** sometimes called “non-labor income” or “profits,” is generally what is left after businesses make payments for labor, taxes on production, and the purchase of produced inputs.
- **Taxes:** Taxes on production and imports with subsidies subtracted.
- **Subsidies:** Money granted by the government to assist an industry or business.

Data References:

Top 10 Sectors - Updated\B. Economic Facts\Economic Impact.xlsx

Top 10 Sectors - Updated\B. Economic Facts\Gross Regional Product.xlsx

C. Occupation

I. Health Care and Social Assistance.

Figure C.1.1 illustrates ten *Health Care and Social Assistance* occupations with the largest employment in Stanislaus County in 2020. Some careers in the list had remarkable projected employment growth in the next 5 years, indicating the potential of expansion shortly.

Home Health and Personal Care Aides ranked 1st in the list with 5,042 current workers. About 1,630 open positions are anticipated to be added by 2025, leading to a total demand of 6,672 employees. The low level of Median Annual Earnings, approximately \$28,100.80 per year, might be an essential reason for the high demand of *Home Health and Personal Care Aides* occupational group since employers would favor skillful health care workers who only received minimum pay rate.

The top 10 *Health Care and Social Assistance* occupations were not well-paying except for *Licensed Practical and Licensed Vocational Nurses* at \$58,676.80 per year, and *Registered Nurses* being \$110,177.60 per year.

Description	Employed in 2020	Median Hourly Earnings	Median Annual Earnings	Employed in 2025	Change (2020 - 2025)
Home Health and Personal Care Aides	5,042	\$13.51	\$28,100.80	6,672	1,630
Registered Nurses	4,228	\$52.97	\$110,177.60	4,677	449
Nursing Assistants	1,343	\$16.54	\$34,403.20	1,509	166
Medical Assistants	1,209	\$17.53	\$36,462.40	1,406	197
Medical Secretaries and Administrative Assistants	1,151	\$18.08	\$37,606.40	1,287	136
Licensed Practical and Licensed Vocational Nurses	973	\$28.21	\$58,676.80	1,086	114
Receptionists and Information Clerks	751	\$14.94	\$31,075.20	840	89
Dental Assistants	750	\$19.15	\$39,832.00	847	97
Office Clerks, General	614	\$18.21	\$37,876.80	669	55
Maids and Housekeeping Cleaners	576	\$13.79	\$28,683.20	622	46

Figure C.1.1: Top 10 Health Care and Social Assistance occupations with the largest employment in Stanislaus County in 2020 (Source: EMSI).

II. Government

Notice that educational services that come from Federal/State/Local government educational institutions in EMSI were categorized in *Government* sector instead of *Educational Services* sector (Chmura).

Teaching Assistants, Except Postsecondary was the most popular occupation in *Government* sector with 2,537 employees in 2020. However, it was not a well-paying job with a median annual salary of \$34,410.00 per year (figure C.II.1).

Some occupations in table C.4.1 were paid well, such as *Elementary School Teachers, Except Special Education*, \$88,630.00 per year, *Postsecondary Teachers*, \$83,162.56 per year, and *Secondary School Teachers, Except Special and Career/Technical Education*, \$89,410.00 per year. Please note that the educational levels necessary to enter this industry classification were more stringent than many other industries, with most teaching positions requiring a BA Degree and a teaching credential, or a graduate degree and an Administrators Credential.

Description	Employed in 2020	Median Hourly Earnings	Median Annual Earnings	Employed in 2025	Change (2020 - 2025)
Teaching Assistants, Except Postsecondary	2,537	\$16.54	\$34,410.00	2,707	170
Elementary School Teachers, Except Special Education	2,489	\$42.61	\$88,630.00	2,679	191
Postsecondary Teachers	1,354	\$39.98	\$83,162.56	1,539	185
Secondary School Teachers, Except Special and Career/Technical Education	1,312	\$42.99	\$89,410.00	1,429	117
Substitute Teachers, Short-Term	1,188	\$17.58	\$36,566.40	1,265	77
Tutors and Teachers and Instructors, All Other	1,141	\$14.76	\$30,710.00	1,165	24
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	757	\$17.91	\$37,252.80	815	58
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	756	\$19.36	\$40,268.80	760	4
Educational Instruction and Library Workers, All Other	726	\$22.55	\$46,904.00	757	31
Teaching Assistants, Postsecondary	661	\$21.70	\$45,135.05	693	32

Figure C.II.1: Top 10 Government occupations with the largest employment in Stanislaus County in 2020 (Source: EMSI).

III. Retail Trade

The ten occupations with the largest employment in *Retail Trade* are shown in figure C.III.1.

Question: Is Retail Trade a good sector to build labor force?

According to the 5-year forecast, the top-10 occupations' employment growth rates were very few compared with the size of the employment in 2020. It could be understood as those occupations already reached their maximum size and are expected to not expand/slightly shrink in the near future.

For example, the demand for *Cashiers* is anticipated to decrease by 2025. The expected employment change is (-98) positions while the expected total demand is 5,116.

The salaries of all occupations in the list, except for *General and Operations Managers* with \$93,080.00, were lower than the county's average wage per worker (\$52,772 from figure A.4)

Description	Employed in 2020	Median Hourly Earnings	Median Annual Earnings	Employed in 2025	Change (2020 - 2025)
Cashiers	5,214	\$13.80	\$28,704.00	5,116	(98)
Retail Salespersons	3,983	\$14.42	\$29,993.60	4,112	128
Stockers and Order Fillers	1,901	\$14.45	\$30,056.00	1,927	26
First-Line Supervisors of Retail Sales Workers	1,527	\$19.97	\$41,537.60	1,554	27
Parts Salespersons	520	\$14.80	\$30,784.00	558	38
Laborers and Freight, Stock, and Material Movers, Hand	482	\$15.85	\$32,968.00	472	(10)
Automotive Service Technicians and Mechanics	462	\$23.18	\$48,214.40	477	15
General and Operations Managers	370	\$44.75	\$93,080.00	381	12
Pharmacy Technicians	337	\$22.02	\$45,801.60	337	0
Light Truck Drivers	335	\$15.22	\$31,657.60	341	6

Figure C.III.1: Top 10 Retail Trade occupations with the largest employment in Stanislaus County in 2020 (Source: EMSI).

As a result, it is important to look at the occupations with the largest projected employment growth in the *Retail Trade* sector. Figure C.III.2 gives information about the ten *Retail Trade* occupations with the largest employment growth by 2025.

Description	Employed in 2020	Median Hourly Earnings	Median Annual Earnings	Employed in 2025	Change (2020 - 2025)
Retail Salespersons	3,983	\$14.42	\$29,993.60	4,112	128
Parts Salespersons	520	\$14.80	\$30,784.00	558	38
First-Line Supervisors of Retail Sales Workers	1,527	\$19.97	\$41,537.60	1,554	27
Stockers and Order Fillers	1,901	\$14.45	\$30,056.00	1,927	26
Animal Caretakers	102	\$14.24	\$29,619.20	123	21
Food Preparation Workers	255	\$13.02	\$27,083.68	274	20
Automotive Service Technicians and Mechanics	462	\$23.18	\$48,214.40	477	15
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	188	\$14.02	\$29,161.60	203	15
Tire Repairers and Changers	152	\$16.49	\$34,299.20	166	14
Fast Food and Counter Workers	214	\$13.32	\$27,705.60	227	13

Figure C.III.2: Top 10 Retail Trade occupations with the largest employment growth in Stanislaus County in 2020 (Source: EMSI).

The anticipated fastest-growing job is *Retail Salespersons*, which will have an employment growth of 128 employees by 2025. Other most growing jobs are projected to add very few positions comparatively.

Critical Conclusion: *Retail Trade* in Stanislaus County is predicted to not expand its size in the next few years. Therefore, most new demand comes from workers who would exit the workforce or transfer into different occupations. Since there is a fair number of forecasted total demand, it might still be an average sector to invest in.

IV. Manufacturing

Manufacturing had been impressive due to its rapid growth in salary level and remarkable economic profit in 2020 (figure B.1); however, projections show an overall employment decline in the sector. The occupation with the highest number of employees was *Manufacturing was Packaging and Filling Machine Operators and Tenders* (figure C.IV.1) with 1,687 workers and it is expected to decline by (-38) employees.

Most of the Manufacturing occupations in the table had negative growth rate, indicating the shrinking in size of the industry.

Description	Employed in 2020	Median Hourly Earnings	Median Annual Earnings	Employed in 2025	Change (2020 - 2025)
Packaging and Filling Machine Operators and Tenders	1,687	\$15.34	\$31,907.20	1,649	(38)
Laborers and Freight, Stock, and Material Movers, Hand	1,138	\$15.85	\$32,968.00	1,121	(17)
Slaughterers and Meat Packers	936	\$13.93	\$28,974.40	851	(84)
Industrial Truck and Tractor Operators	792	\$20.48	\$42,598.40	774	(18)
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	628	\$31.13	\$64,750.40	625	(3)
Miscellaneous Assemblers and Fabricators	623	\$18.09	\$37,627.20	581	(41)
First-Line Supervisors of Production and Operating Workers	566	\$30.28	\$62,982.40	578	12
Industrial Machinery Mechanics	545	\$28.17	\$58,593.60	590	46
Packers and Packagers, Hand	498	\$13.19	\$27,435.20	489	(9)
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	483	\$17.06	\$35,484.80	443	(40)

Figure C.IV.1: Top 10 Manufacturing occupations with the largest employment in Stanislaus County in Stanislaus County (Source: EMSI).

V. Accommodation and Food Services

The anticipated total demand of *Fast Food and Counter Workers* is remarkable, about 5,177 workers would be employed in 2025 (figure C.V.1). The anticipated employment growth of the job is about 510 positions.

Regardless of the high demand of *Fast Food and Counter Workers* in 2025, the number of *Cooks, Fast Food* occupations is estimated to decrease by 75 employees.

Interestingly, although *Cooks, Restaurant* occupations is forecasted to grow (employment change 139 open positions in the next 5 years), the growth of other restaurant occupations is either low or negative; for example, waiters and waitresses, cashiers, dishwashers, etc. It is possible that a worker would take multiple tasks and some other processes would be taken care of electronically.

Notice that the salaries of all occupations in the list were significantly lower than the county's average wages per worker (\$51,667 from figure A.4).

Description	Employed in 2020	Median Hourly Earnings	Median Annual Earnings	Employed in 2025	Change (2020 - 2025)
Fast Food and Counter Workers	4,668	\$13.32	\$27,705.60	5,177	510
Cooks, Fast Food	1,882	\$13.72	\$28,537.60	1,807	(75)
Waiters and Waitresses	1,666	\$13.65	\$28,392.00	1,660	(6)
Cooks, Restaurant	1,312	\$14.25	\$29,640.00	1,451	139
First-Line Supervisors of Food Preparation and Serving Workers	787	\$17.89	\$37,211.20	846	58
Cashiers	764	\$13.80	\$28,704.00	755	(9)
Dishwashers	680	\$13.02	\$27,081.60	671	(9)
Food Preparation Workers	580	\$13.02	\$27,083.68	590	11
Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	505	\$13.02	\$27,083.68	509	4
Maids and Housekeeping Cleaners	261	\$13.79	\$28,683.20	272	11

Figure C.V.1: Top 10 Accommodation and Food Services occupations with the largest employment in Stanislaus County in 2020 (Source: EMSI).

VI. Agriculture, Forestry, Fishing and Hunting

Most *Agriculture, Forestry, Fishing and Hunting* workers worked in *Farmworkers and Laborers, Crop, Nursery, and Greenhouse* occupational group, with around 7,652 employees in Stanislaus County in 2020. Figure C.V.1 indicates that about 265 positions will be added as of 2025, leading to a total demand of around 7,918, employees. Another outstanding point is that the median annual wage for the job was the third lowest in the table.

On the other hand, *Agricultural Workers, All Other* ranked 5th in the table. Its median annual wage is fairly high, around \$70,166.36 per year. It is anticipated that there will be 501 positions for this career in the next 5 years, decreasing by 9 employees as compared to 2020.

Observe that except for *Farmworkers and Laborers, Crop, Nursery, and Greenhouse*, other occupations in figure C.V.1 had only few or negative numbers of open positions in 2025.

Description	Employed in 2020	Median Hourly Earnings	Median Annual Earnings	Employed in 2025	Change (2020 - 2025)
Farmworkers and Laborers, Crop, Nursery, and Greenhouse	7,652	\$14.02	\$29,161.60	7,918	265
Farmers, Ranchers, and Other Agricultural Managers	1,473	\$19.89	\$41,365.77	1,433	(39)
Farmworkers, Farm, Ranch, and Aquacultural Animals	984	\$15.20	\$31,616.00	947	(37)
Agricultural Equipment Operators	562	\$15.04	\$31,283.20	592	30
Agricultural Workers, All Other	510	\$33.71	\$70,116.36	501	(9)
Graders and Sorters, Agricultural Products	353	\$13.16	\$27,372.80	366	13
First-Line Supervisors of Farming, Fishing, and Forestry Workers	335	\$23.99	\$49,899.20	352	18
Packers and Packagers, Hand	248	\$13.19	\$27,435.20	269	21
Heavy and Tractor-Trailer Truck Drivers	242	\$20.97	\$43,617.60	252	10
Laborers and Freight, Stock, and Material Movers, Hand	151	\$15.85	\$32,968.00	167	15

Figure C.V.1: Top 10 Agriculture, Forestry, Fishing, and Hunting occupations with the largest employment in Stanislaus County in 2020 (Source: EMSI).

VII. Construction

Figure C.VII.1 shows the ten *Construction* occupations with the largest employment in Stanislaus County. The median annual salary range of *Construction* workers was broad, ranging from \$37,876.80 to \$71,115.20. In the next 5 years, the employment growth of all occupations in the list is projected to just slightly increase, but the total demand is still notable.

Description	Employed in 2020	Median Hourly Earnings	Median Annual Earnings	Employed in 2025	Change (2020 - 2025)
Construction Laborers	1,322	\$20.23	\$42,078.40	1,416	94
Carpenters	998	\$23.50	\$48,880.00	1,016	18
Electricians	582	\$28.49	\$59,259.20	605	23
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	524	\$25.91	\$53,892.80	541	17
First-Line Supervisors of Construction Trades and Extraction Workers	512	\$34.02	\$70,761.60	541	30
Painters, Construction and Maintenance	468	\$20.63	\$42,910.40	494	26

Office Clerks, General	334	\$18.21	\$37,876.80	332	(2)
Cement Masons and Concrete Finishers	308	\$25.03	\$52,062.40	317	9
Plumbers, Pipefitters, and Steamfitters	299	\$32.57	\$67,745.60	314	15
Drywall and Ceiling Tile Installers	283	\$34.19	\$71,115.20	273	(10)

Figure C.VII.1: Top 10 Construction occupations with the largest employment in Stanislaus County in 2020 (Source: EMSI).

VIII. Transportation and Warehousing

Heavy and Tractor-Trailer Truck Drivers currently had the largest number of employees in Transportation and Warehousing sector in Stanislaus County with 2,012 employees.

Laborers and Freight, Stock, and Material Movers, Hand occupation (ranked 2nd in the table) will add 260 jobs by 2025, which will raise the total demand to 1,890.

Description	Employed in 2020	Median Hourly Earnings	Median Annual Earnings	Employed in 2025	Change (2020 - 2025)
Heavy and Tractor-Trailer Truck Drivers	2,012	\$20.97	\$43,617.60	2,140	128
Laborers and Freight, Stock, and Material Movers, Hand	1,631	\$15.85	\$32,968.00	1,890	260
Industrial Truck and Tractor Operators	754	\$20.48	\$42,598.40	862	108
Stockers and Order Fillers	436	\$14.45	\$30,056.00	541	105
Light Truck Drivers	379	\$15.22	\$31,657.60	444	65
Packers and Packagers, Hand	324	\$13.19	\$27,435.20	345	21
First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	233	\$25.53	\$53,102.40	269	36
Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	221	\$16.56	\$34,444.80	277	56
Shipping, Receiving, and Inventory Clerks	181	\$18.15	\$37,752.00	202	21
Bus and Truck Mechanics and Diesel Engine Specialists	159	\$27.31	\$56,804.80	173	15

Figure C.VIII.1: Top 10 Transportation and Warehousing occupations with the largest employment in Stanislaus County in 2020 (Source: EMSI).

IX. Administrative Support and Waste Management and Remediation Services

The occupations in figure C.IX.1 had a median annual wage range from \$27,435.20 to \$46,571.20, which were much lower than the county's median annual income (\$51,667 in figure A.4). The statistics implies that the sector might not expand largely in the near future except for *Security Guards* with the expected growth of 130 positions in 2025.

Description	Employed in 2020	Median Hourly Earnings	Median Annual Earnings	Employed in 2025	Change (2020 - 2025)
Laborers and Freight, Stock, and Material Movers, Hand	727	\$15.85	\$32,968.00	807	79
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	691	\$17.91	\$37,252.80	680	(11)
Security Guards	663	\$14.48	\$30,118.40	794	130
Landscaping and Groundskeeping Workers	557	\$17.49	\$36,379.20	586	30
Office Clerks, General	233	\$18.21	\$37,876.80	242	8
Heavy and Tractor-Trailer Truck Drivers	222	\$20.97	\$43,617.60	250	28
Maids and Housekeeping Cleaners	180	\$13.79	\$28,683.20	178	(2)
Packers and Packers, Hand	171	\$13.19	\$27,435.20	189	18
Customer Service Representatives	152	\$16.76	\$34,860.80	160	7
Refuse and Recyclable Material Collectors	148	\$22.39	\$46,571.20	177	30

Figure C.IX.1: Top 10 Administrative Support and Waste Management and Remediation Services occupations with the largest employment in Stanislaus County in 2020 (Source EMSI).

X. Other Services (except Public Administration)

Figure C.X.1 illustrates the ten occupations with the current largest employment in *Other Services (except Public Administration)* sector in Stanislaus County. The number of employees in 2020 and the total demand for all occupations in the list in 2025 were fairly low compared to other sectors in the County. Notice that seven out of ten occupations are anticipated to have a negative growth rate in the next 5 years.

The salaries of all occupations in the list except for Clergy were lower than the county's average wages per worker (\$52,772 from figure A.4)

Description	Employed in 2020	Median Hourly Earnings	Median Annual Earnings	Employed in 2025	Change (2020 - 2025)
Childcare Workers	542	\$14.69	\$30,555.20	498	(44)
Cleaners of Vehicles and Equipment	466	\$14.67	\$30,513.60	520	55
Maids and Housekeeping Cleaners	439	\$13.79	\$28,683.20	399	(39)
Home Health and Personal Care Aides	391	\$13.51	\$28,100.80	368	(22)
Automotive Service Technicians and Mechanics	372	\$23.18	\$48,214.40	359	(13)
Manicurists and Pedicurists	309	\$13.95	\$29,016.00	263	(45)
Clergy	250	\$28.84	\$59,987.20	256	5
Office Clerks, General	230	\$18.21	\$37,876.80	225	(5)
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	214	\$19.36	\$40,268.80	203	(11)
Directors, Religious Activities and Education	181	\$23.74	\$49,385.84	182	1

Figure C.X.1: Top 10 Other Services (except Public Administration) occupations with the largest employment in Stanislaus County in 2020 (Source: EMSI).

Column Definition

- **Employed:** Employment of the listed occupation within the selected industry.
- **Median Hourly Earnings:** Median hourly wage of the occupation specific to the selected industry.
- **Median Annual Earnings:** Median annual wage of the occupation specific to the selected industry.
- **Change:** Within the selected industry, how many new jobs in this occupation are expected to be added. This is also known as growth demand.
- **Total Demand:** Separation demand plus growth demand (Exits + Transfers + Empl Growth).

Data References:

Top 10 Sectors - Updated\C. Occupation\Accommodation and Food Services

Top 10 Sectors - Updated\C. Occupation\Administrative and Support and Waste Management and Remediation Service

Top 10 Sectors - Updated\C. Occupations\Agriculture, Forestry, Fishing and Hunting

Top 10 Sectors - Updated\C. Occupations\Construction

Top 10 Sectors - Updated\C. Occupations\Government

Top 10 Sectors - Updated\C. Occupations\Health Care and Social Assistance

Top 10 Sectors - Updated\C. Occupations\Manufacturing

Top 10 Sectors - Updated\C. Occupations\Other Services (except Public Administration)

Top 10 Sectors - Updated\C. Occupations\Retail Trade

Top 10 Sectors - Updated\C. Occupations\Transportation and Warehousing