EDD Data as a Component of Long-Term Regional Health Tracking

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EDD Data as a Component of Long-Term Regional Health Tracking

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- Online Data Hub
- Silicon Valley Index, EDD data
- EDD data in the Index
- Monthly data release
- Mapping to ACS
- Use of EDD data in economic impact modeling

- Methodology for Data Categorization
- Major Areas of Economic Activity
- Tier Analysis

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- Limitations & Partnerships

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Data about Silicon Valley's economy and community health.

The Silicon Valley Indicators website is an extensive and always fresh collection of charts and data on Silicon Valley's economic and community health trends. Continuously updated with all the latest data, it also provides links to local, regional and national data sources, and resources for additional information within each of the indicator categories: People, Economy, Society, Place and Governance.

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Charts & Tables

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JOB GROWTH

Total Number of Jobs and Percent Change Over Prior Year

Silicon Valley

Second Half 2020*
Growth Rates

Santa Clara County	+6.8%
San Mateo County	+7.3%
Combined	+6.9%
Alameda County	+6.6%

MAJOR AREAS OF ECONOMIC ACTIVITY

Year-Over-Year Percent Change in Employment Levels, by Major Area of Economic Activity

Silicon Valley, Q2 2019 to Q2 2020

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ARTS & CULTURE

Percent Change in Arts & Culture Employment

Silicon Valley

Share Working Part-Time

2019

Percent Change in Arts & Culture Spending

2019-2020

	All	Events & Attractions
Silicon Valley	-8%	-54%
California	-9%	-48%
United States	-9%	-46%

MAJOR AREAS OF ECONOMIC ACTIVITY

Employment in Major Areas of Economic Activity, by Tier

Silicon Valley | 2020

MAJOR AREAS OF ECONOMIC ACTIVITY

Mid-Year Employment Levels

Silicon Valley

Joint Venture SILICON VALLEY

WAGES

Average Wages, by Housing Tenure and Industry

Santa Clara & San Mateo Counties | 2019

Average Wages of Renters Compared to Homeowners

Santa Clara & San Mateo Counties, 2009-2019

Construction	-32%
Food Services	-31%
Retail	-15%
Transportation	-9%
Community Infrastructure & Services	-22%

MAJOR AREAS OF ECONOMIC ACTIVITY

Total Employment, by Major Areas of Economic Activity

with Approximate Shares of Innovation & Information Products and Services Jobs at the Region's Largest Tech Companies

Silicon Valley and San Francisco | 2020

2019
50%
26%
16%
4%
4%
Community Infrastructure & Services
Business Infrastructure & Services
Innovation and Information Products & Services
Other
Other Manufacturing

2020
46%
30%
16%
4%
4%
Community Infrastructure & Services
Business Infrastructure & Services
Innovation and Information Products & Services
Other
Other Manufacturing

EMPLOYMENT BY TIER

Total Employment by Tier

Silicon Valley

EMPLOYMENT BY TIER

Percent of Total Employment by Tier

Silicon Valley

UNEMPLOYMENT

Monthly Unemployment Rate

Santa Clara & San Mateo Counties, San Francisco, California, and the United States

UNEMPLOYMENT

Monthly Unemployment Rate

Santa Clara & San Mateo Counties, San Francisco, California, and the United States

Weekly Initial Unemployment Insurance Claims

per 10,000 employed

Special Reports

https://siliconvalleyindicators.org/special-reports/

Data Releases:

Unemployment (May 21, 2021)

Unemployment (April 16, 2021)

Unemployment (December 18, 2020)

Unemployment (November 20, 2020)

Unemployment (October 16, 2020)

Stock Market (October 6, 2020)

Unemployment (September 18, 2020)

Unemployment (August 21, 2020)

Unemployment (July 17, 2020)

Trending: Bay Area Public Interest Topics (July 16, 2020)

Regional Response Funds (July 7, 2020)

IPOs (June 26, 2020)

Unemployment (June 19, 2020)

Unemployment (May 22, 2020)

Consumer Price Index (May 15, 2020)

California unemployment rate h

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May 21, 2021
NR No. 21-32

Contact: Loree Levy/Aubrey Henry
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California unemployment rate holds steady at 8.3% in April 2021

Employers gained 101,800 nonfarm payroll jobs

IMPORTANT NOTE: *The employment data for the month of April 2021 is taken from the survey week including April 12. Data for the month of May is scheduled for release on June 18, 2021.*

SACRAMENTO – California's unemployment rate remained at 8.3 percent in April as the state's employers gained 101,800 non-farm payroll jobs[1], according to data released today by the California Employment Development Department (EDD) from two surveys. This comes after March's upwards-revised (+12,800 jobs) month-over gain of 132,400 jobs. Of the 2,714,800 total nonfarm jobs lost in March and April 2020 due to the COVID-19 pandemic, California has now regained 1,302,100 jobs (48 percent) since May 2020.

California's Labor Market, by the Numbers...

- The unemployment rate of 8.3 percent in April[2] is nearly half of the 16 percent peak hit one year ago, but is still 4 percent above the pre-pandemic level seen in February 2020.
- California's April job gain accounts for 38 percent of the national gain of 266,000 jobs.
- From February through April, California added 390,300 total non-farm payroll jobs, marking the state's third consecutive month of gains over 100,000 jobs.
- Seven of California's 11 industry sectors gained jobs in April. Leisure & Hospitality (+62,800) continued to have the state's largest month-over increase thanks in large part to Full-Service Restaurants. Professional and Business Services (+19,000) also posted a large gain thanks to strength in Professional, Scientific, and Technical Services, as did Other Services (+10,500) with an increase in Personal Care Services.
- Leisure & Hospitality and Other Services, the hardest hit sectors during the pandemic, combined for nearly two-thirds of California's job gains over the past three months.
- Information (-3,500) saw the largest month-over industry sector loss, largely due to a decrease in Software Publishers.

1. The nonfarm payroll job numbers come from a federal survey of 80,000 California businesses.
2. The unemployment rate comes from a separate federal survey of 5,100 California households.

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May 21, 2021
Employment Development Department
Labor Market Information Division
(916) 262-2162

San Jose Sunnyvale Santa Clara MSA
(San Benito and Santa Clara Counties)
Industry Employment & Labor Force
March 2020 Benchmark

Data Not Seasonally Adjusted	Apr 20	Feb 21	Mar 21 Revised	Apr 21 Prelim	Percent Change Month	Percent Change Year
Civilian Labor Force (1)	1,039,800	1,050,700	1,042,400	1,034,800	-0.7%	-0.5%
Civilian Employment	911,200	993,800	988,800	982,600	-0.6%	7.8%
Civilian Unemployment	128,700	56,900	53,700	52,300	-2.6%	-59.4%
Civilian Unemployment Rate	12.4%	5.4%	5.1%	5.1%		
(CA Unemployment Rate)	16.0%	8.4%	8.2%	8.1%		
(U.S. Unemployment Rate)	14.4%	6.6%	6.2%	5.7%		
Total, All Industries (2)	1,014,800	1,067,200	1,074,200	1,084,600	1.0%	6.9%
Total Farm	4,900	4,400	4,800	5,400	12.5%	10.2%
Total Nonfarm	1,009,900	1,062,800	1,069,400	1,079,200	0.9%	6.9%
Total Private	912,900	971,400	977,500	986,600	0.9%	8.1%
Goods Producing	200,100	217,600	218,600	217,900	-0.3%	8.9%
Mining, Logging, and Construction	35,000	50,000	49,700	49,200	-1.0%	40.6%
Mining and Logging	200	200	200	200	0.0%	0.0%
Construction	34,800	49,800	49,500	49,000	-1.0%	40.8%
Specialty Trade Contractors	24,300	35,900	35,600	35,000	-1.7%	44.0%
Building Equipment Contractors	12,100	17,300	17,500	17,300	-1.1%	43.0%
Manufacturing	165,100	167,600	168,900	168,700	-0.1%	2.2%
Durable Goods	154,500	156,600	157,900	157,600	-0.2%	2.0%
Machinery Manufacturing	10,700	10,800	10,900	11,000	0.9%	2.8%
Computer & Electronic Product Manufacturing	118,900	118,900	119,400	118,900	-0.4%	0.0%
Computer & Peripheral Equipment Manufactu	56,700	57,800	57,900	57,800	-0.2%	1.9%
Electronic Computer Manufacturing	54,400	55,500	55,500	55,400	-0.2%	1.8%
Semiconductor & Electronic Component Mfg	38,600	38,000	38,100	37,800	-0.8%	-2.1%
Bare Printed Circuit Board Manufacturing	3,500	3,500	3,500	3,500	0.0%	0.0%
Semiconductor & Related Devices Manufac	27,500	26,900	26,900	26,600	-1.1%	-3.3%
Electronic Instrument Manufacturing	16,100	15,800	15,800	15,900	0.6%	-1.2%
Transportation Equipment Manufacturing	5,800	5,500	5,400	5,400	0.0%	-6.9%
Aerospace Product & Parts Manufacturing	4,400	4,300	4,300	4,200	-2.3%	-4.5%
Nondurable Goods	10,600	11,000	11,000	11,100	0.9%	4.7%
Service Providing	809,800	845,200	850,800	861,300	1.2%	6.4%
Private Service Providing	712,800	753,800	758,900	768,700	1.3%	7.8%
Trade, Transportation & Utilities	105,000	118,300	117,500	117,800	0.3%	12.2%
Wholesale Trade	28,500	28,500	28,000	28,100	0.4%	-1.4%
Merchant Wholesalers, Durable Goods	20,400	20,600	20,400	20,700	1.5%	1.5%
Retail Trade	62,300	73,500	73,100	73,000	-0.1%	17.2%
Electronics & Appliance Stores	3,500	3,700	3,600	3,600	0.0%	2.9%
Building Material & Garden Equipment Stores	5,100	5,800	5,700	5,800	1.8%	13.7%
Food & Beverage Stores	16,600	17,500	17,500	17,400	-0.6%	4.8%
Health & Personal Care Stores	4,100	4,300	4,300	4,300	0.0%	4.9%
Clothing & Clothing Accessories Stores	4,100	7,600	7,700	7,700	0.0%	87.8%
General Merchandise Stores	10,900	13,000	12,700	12,500	-1.6%	14.7%
Transportation, Warehousing & Utilities	14,200	16,300	16,400	16,700	1.8%	17.6%
Transportation & Warehousing	12,600	14,700	14,700	14,900	1.4%	18.3%
Couriers & Messengers	5,000	6,200	6,200	6,300	1.6%	26.0%
Information	104,800	107,100	107,500	107,600	0.1%	2.7%
Publishing Industries (except Internet)	38,300	38,100	37,900	37,700	-0.5%	-1.6%
Telecommunications	4,800	4,700	4,700	4,700	0.0%	-2.1%
Financial Activities	37,300	37,900	37,500	37,500	0.0%	0.5%
Finance & Insurance	22,500	23,100	22,700	22,700	0.0%	0.9%
Credit Intermediation & Related Activities	13,000	13,700	13,600	13,600	0.0%	4.6%
Real Estate & Rental & Leasing	14,800	14,800	14,800	14,800	0.0%	0.0
Real Estate	12,800	12,800	12,800	12,900	0.8%	0.8
Professional & Business Services	231,300	238,500	239,200	240,200	0.4%	3.8
Professional, Scientific & Technical Services	162,300	163,500	163,600	165,000	0.9%	1.7
Architectural, Engineering & Related Services	17,000	18,500	18,600	18,900	1.6%	11.2
Computer Systems Design & Related Services	88,100	88,100	87,500	88,600	1.3%	0.6

Both MSAs EDD data by Industry through April 2021.xlsx - Excel

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May 21, 2021
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BOTH MSAs

Industry Employment & Labor Force - by MONTH
March 2019 Benchmark

See notes at bottom of page for column definitions

RTOR	MYEA	AREA	LUEA	NCS-NAI	TITLE	Apr-21	Change Since Pre-Pandemic (March 2020) Mar-20	Apr-21	Change	% Change	1-Year Change Apr-20	Apr-21	Change	% Change	1-Month Change Mar-21	Apr-21	Change	% Change
1	2019	041884		1	-0000	Civilian Labor Force	1,999,300	2,113,100	1,999,300	-113,800	-5.4%	2,017,800	1,999,300	-18,500	-0.9%	2,011,000	1,999,300	-11,700	-0.6%
2	2019	041884		1	-0000	Civilian Employment	1,897,600	2,051,800	1,897,600	-154,200	-7.5%	1,767,200	1,897,600	130,400	7.4%	1,907,200	1,897,600	-9,600	-0.5%
3	2019	041884		1	-0000	Civilian Unemployment	101,800	61,300	101,800	40,500	66.1%	250,700	101,800	-148,900	-59.4%	103,900	101,800	-2,100	-2.0%
4	2019	041884		1	-0000	Civilian Unemployment Rate													
8	2019	041884	110000	1	-0000	Total, All Industries	2,152,600	2,335,200	2,152,600	-182,600	-7.8%	2,025,500	2,152,600	127,100	6.3%	2,127,100	2,152,600	25,500	1.2%
9	2019	041884	111000	1	-0000	Total Farm	7,000	6,400	7,000	600	9.4%	6,300	7,000	700	11.1%	6,400	7,000	600	9.4%
10	2019	041884	113000	1	-0000	Total Nonfarm	2,145,600	2,328,800	2,145,600	-183,200	-7.9%	2,019,200	2,145,600	126,400	6.3%	2,120,700	2,145,600	24,900	1.2%
11	2019	041884	113000	1	-0000	Total Private	1,927,100	2,096,100	1,927,100	-169,000	-8.1%	1,793,900	1,927,100	133,200	7.4%	1,903,700	1,927,100	23,400	1.2%
12	2019	041884	113000	1	-0000	Goods Producing	297,600	307,500	297,600	-9,900	-3.2%	266,700	297,600	30,900	11.6%	296,400	297,600	1,200	0.4%
13	2019	041884	100000	1	-0000	Mining, Logging, and Construction	92,500	98,600	92,500	-6,100	-6.2%	67,500	92,500	25,000	37.0%	91,400	92,500	1,100	1.2%
14	2019	041884	113300	1	-0000	Mining and Logging	300	300	300	0	0.0%	300	300	0	0.0%	300	300	0	0.0%
15	2019	041884	23000-	2	-0000	Construction	92,200	98,300	92,200	-6,100	-6.2%	67,200	92,200	25,000	37.2%	91,100	92,200	1,100	1.2%
20	2019	041884		1	-2380	Specialty Trade Contractors	21,400	22,000	21,400	-600	-2.7%	13,700	21,400	7,700	56.2%	20,300	21,400	1,100	5.4%
21	2019	041884	210000	1	-0000	Manufacturing	205,100	208,900	205,100	-3,800	-1.8%	199,200	205,100	5,900	3.0%	205,000	205,100	100	0.0%
22	2019	041884	321000	1	-0000	Durable Goods	176,200	177,100	176,200	-900	-0.5%	171,800	176,200	4,400	2.6%	176,300	176,200	-100	-0.1%
23	2019	041884	311000	1	-0000	Nondurable Goods	28,900	31,800	28,900	-2,900	-9.1%	27,400	28,900	1,500	5.5%	28,700	28,900	200	0.7%
24	2019	041884	220000	1	-0000	Service Providing	1,848,000	2,021,300	1,848,000	-173,300	-8.6%	1,752,500	1,848,000	95,500	5.4%	1,824,300	1,848,000	23,700	1.3%
25	2019	041884		1	-0000	Private Service Providing	1,629,500	1,788,600	1,629,500	-159,100	-8.9%	1,527,200	1,629,500	102,300	6.7%	1,607,300	1,629,500	22,200	1.4%
26	2019	041884	220000	1	-0000	Trade, Transportation & Utilities	246,700	276,700	246,700	-30,000	-10.8%	230,700	246,700	16,000	6.9%	246,800	246,700	-100	0.0%
27	2019	041884		1	-0000	Wholesale Trade	48,700	55,600	48,700	-6,900	-12.4%	50,500	48,700	-1,800	-3.6%	48,500	48,700	200	0.4%
28	2019	041884		1	-4230	Merchant Wholesalers, Durable Good	30,400	33,400	30,400	-3,000	-9.0%	30,900	30,400	-500	-1.6%	30,000	30,400	400	1.3%
29	2019	041884		1	-4240	Merchant Wholesalers, Nondurable G	8,700	11,000	8,700	-2,300	-20.9%	9,500	8,700	-800	-8.4%	8,700	8,700	0	0.0%
32	2019	041884	440000	1	-0000	Retail Trade	141,900	154,900	141,900	-13,000	-8.4%	121,300	141,900	20,600	17.0%	141,600	141,900	300	0.2%
33	2019	041884		1	-4450	Food & Beverage Stores	34,200	34,500	34,200	-300	-0.9%	32,900	34,200	1,300	4.0%	34,500	34,200	-300	-0.9%
34	2019	041884		1	-4460	Health & Personal Care Stores	10,200	11,300	10,200	-1,100	-9.7%	10,000	10,200	200	2.0%	10,100	10,200	100	1.0%
35	2019	041884		1	-4480	Clothing & Clothing Accessories Store	14,700	18,700	14,700	-4,000	-21.4%	8,300	14,700	6,400	77.1%	14,500	14,700	200	1.4%
36	2019	041884		1	-4520	General Merchandise Stores	19,800	21,900	19,800	-2,100	-9.6%	16,900	19,800	2,900	17.2%	20,000	19,800	-200	-1.0%
37	2019	041884		1	-4530	Miscellaneous Store Retailers	3,900	5,000	3,900	-1,100	-22.0%	3,000	3,900	900	30.0%	3,900	3,900	0	0.0%
39	2019	041884	220000	1	-0000	Transportation, Warehousing & Utilities	56,100	66,200	56,100	-10,100	-15.3%	58,900	56,100	-2,800	-4.8%	56,700	56,100	-600	-1.1%
40	2019	041884		1	-2200	Utilities	5,100	5,000	5,100	100	2.0%	5,000	5,100	100	2.0%	5,200	5,100	-100	-1.9%
41	2019	041884		1	-4000	Transportation & Warehousing	49,200	59,600	49,200	-10,400	-17.4%	52,300	49,200	-3,100	-5.9%	49,800	49,200	-600	-1.2%
42	2019	041884		1	-4810	Air Transportation	8,900	11,300	8,900	-2,400	-21.2%	10,400	8,900	-1,500	-14.4%	8,700	8,900	200	2.3%
44	2019	041884		1	-4920	Couriers & Messengers	14,000	12,300	14,000	1,700	13.8%	12,100	14,000	1,900	15.7%	14,500	14,000	-500	-3.4%
45	2019	041884		1	-0000	Information	215,000	210,800	215,000	4,200	2.0%	208,200	215,000	6,800	3.3%	214,300	215,000	700	0.3%
46	2019	041884		1	-5110	Publishing Industries (except Internet)	63,700	65,400	63,700	-1,700	-2.6%	64,800	63,700	-1,100	-1.7%	64,100	63,700	-400	-0.6%
49	2019	041884		1	-5170	Telecommunications	9,100	9,400	9,100	-300	-3.2%	9,200	9,100	-100	-1.1%	9,100	9,100	0	0.0%
51	2019	041884	520000	1	-0000	Financial Activities	119,500	124,600	119,500	-5,100	-4.1%	119,900	119,500	-400	-0.3%	118,700	119,500	800	0.7%
52	2019	041884		1	-5200	Finance & Insurance	84,200	85,100	84,200	-900	-1.1%	84,200	84,200	0	0.0%	84,100	84,200	100	0.1%
53	2019	041884		1	-5220	Credit Intermediation & Related Activit	41,000	41,000	41,000	0	0.0%	40,600	41,000	400	1.0%	40,900	41,000	100	0.2%
54	2019	041884		1	-5221	Depository Credit Intermediation	13,100	13,500	13,100	-400	-3.0%	13,300	13,100	-200	-1.5%	13,200	13,100	-100	-0.8%
55	2019	041884		1	-5222	Nondepository Credit Intermediation	7,400	7,600	7,400	-200	-2.6%	7,500	7,400	-100	-1.3%	7,100	7,400	300	4.2%
57	2019	041884		1	-5230	Securities, Commodity Contracts & In	23,900	23,700	23,900	200	0.8%	23,400	23,900	500	2.1%	23,800	23,900	100	0.4%
58	2019	041884		1	-5240	Insurance Carriers & Related	10,200	10,800	10,200	-600	-5.6%	10,700	10,200	-500	-4.7%	10,300	10,200	-100	-1.0%
61	2019	041884		1	-5300	Real Estate & Rental & Leasing	35,300	39,500	35,300	-4,200	-10.6%	35,700	35,300	-400	-1.1%	34,600	35,300	700	2.0%
62	2019	041884		1	-5310	Real Estate	29,600	31,500	29,600	-1,900	-6.0%	29,800	29,600	-200	-0.7%	29,400	29,600	200	0.7%
64	2019	041884	540000	1	-0000	Professional & Business Services	522,300	531,600	522,300	-9,300	-1.7%	507,000	522,300	15,300	3.0%	520,600	522,300	1,700	0.3%

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Ready

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Scenario 1: One percent job loss

Across the 15 companies, a one percent job loss would result in the direct loss of 202 employees, and an indirect loss of an additional seven employees in supply chain industries. The resulting impact across the economy is a loss of 209 employees and a combined economic output loss of $162.5 million or 0.5 percent of overall economic output. Included in the output loss is a decrease in tax revenue to the City of Palo Alto through declines in both sales and property tax revenue. Utilizing IMPLAN, this loss is estimated at $63,546 in sales tax revenue and $342,367 in property tax revenue at the local level.

Figure 4.1

Scenario 1: Impact of 1% job loss at the 15 large employers in Palo Alto

Impact	Employment	Labor Income	Value Added	Output
Direct	-202	-$51,555,998	-$94,402,194	-$160,340,271
Indirect	-7	-$987,265	-$1,562,078	-$2,187,081
TOTAL:	-209	-$52,543,264	-$95,964,273	-$162,527,352

Source: *IMPLAN, 2018*

Scenario 2: Five percent job loss

A five percent job loss across the 15 companies would result in a combined (direct and indirect) loss of 1,047 jobs, and a total decrease in economic output of $812.6 million or 2.3 percent of total economic output. Tax revenues at the local level would decline by an estimated $317,728 in sales tax revenue and $1.7 million in property tax revenues.

A five percent job loss across the 15 companies would result in a combined (direct and indirect) loss of 1,047 jobs, and a total decrease in economic output of $812.6 million or 2.3 percent of total economic output.

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EDD Data as a Component of Long-Term Regional Health Tracking

- Intro Joint Venture & Institute for Regional Studies
- Online Data Hub
- Silicon Valley Index, EDD data
- EDD data in the Index
- Monthly data release
- Mapping to ACS
- Use of EDD data in economic impact modeling

- Methodology for Data Categorization
- Major Areas of Economic Activity
- Tier Analysis

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INDUSTRY EMPLOYMENT ANALYSIS

APPENDIX B – Silicon Valley

	EMPLOYMENT Q2 2020	PERCENT OF TOTAL SILICON VALLEY EMPLOYMENT	PERCENT CHANGE		
			2007-2020	2010-2020	2019-2020
TOTAL EMPLOYMENT	1,551,681	100.0%	12.4%	19.9%	-8.9%
COMMUNITY INFRASTRUCTURE & SERVICES	715,860	46.1%	2.0%	8.9%	-15.4%
HEALTHCARE & SOCIAL SERVICES[1]	174,511	11.2%	52.2%	40.1%	-1.7%
RETAIL	113,263	7.3%	-14.7%	-7.8%	-16.1%
ACCOMMODATION & FOOD SERVICES	81,937	5.3%	-20.1%	-17.7%	-40.6%
EDUCATION[1]	118,817	7.7%	26.8%	23.9%	-9.9%
CONSTRUCTION	78,463	5.1%	9.2%	59.6%	-4.5%
LOCAL GOVERNMENT ADMINISTRATION[2]	43,547	2.8%	-25.3%	-1.0%	-8.0%
TRANSPORTATION	32,153	2.1%	-9.7%	-0.2%	-18.6%
BANKING & FINANCIAL SERVICES	21,386	1.4%	3.4%	27.7%	6.9%
ARTS, ENTERTAINMENT & RECREATION	9,267	0.6%	-48.9%	-48.4%	-53.6%
PERSONAL SERVICES	8,178	0.5%	-32.3%	-34.1%	-53.7%
FEDERAL GOVT. ADMINISTRATION	11,403	0.7%	-10.0%	-30.3%	5.4%
NONPROFITS	7,601	0.5%	-34.4%	-24.2%	-24.3%
INSURANCE SERVICES	8,427	0.5%	-9.5%	9.6%	-3.1%
STATE GOVERNMENT ADMINISTRATION[2]	2,736	0.2%	-18.6%	3.9%	-2.2%
WAREHOUSING & STORAGE	2,117	0.1%	-2.3%	-8.4%	-25.1%
UTILITIES	2,053	0.1%	-1.5%	-24.6%	2.1%
INNOVATION AND INFORMATION PRODUCTS & SERVICES	458,874	29.6%	45.8%	47.2%	1.8%
COMPUTER HARDWARE DESIGN & MANUFACTURING	183,226	11.8%	68.4%	66.7%	0.6%
SEMICONDUCTORS & RELATED EQUIPMENT MANUFACTURING	42,023	2.7%	-25.8%	-11.8%	-1.9%
INTERNET & INFORMATION SERVICES	82,946	5.3%	305.0%	235.2%	5.3%
TECHNICAL RESEARCH & DEVELOPMENT (INCLUDES LIFE SCIENCES)	43,438	2.8%	63.5%	31.5%	9.3%
SOFTWARE	35,243	2.3%	71.9%	60.6%	8.7%
TELECOMMUNICATIONS MANUFACTURING & SERVICES	14,083	0.9%	-34.2%	-27.0%	-7.7%
INSTRUMENT MANUFACTURING (NAVIGATION, MEASURING & ELECTROMEDICAL)	17,611	1.1%	-24.8%	-5.9%	3.0%
PHARMACEUTICALS (LIFE SCIENCES)	14,820	1.0%	13.4%	16.6%	0.9%
OTHER MEDIA & BROADCASTING, INCLUDING PUBLISHING	5,120	0.3%	-37.9%	-41.3%	-35.0%
MEDICAL DEVICES (LIFE SCIENCES)	7,375	0.5%	4.2%	16.8%	5.4%
BIOTECHNOLOGY (LIFE SCIENCES)	12,171	0.8%	98.3%	101.7%	3.4%
I.T. REPAIR SERVICES	819	0.1%	-65.4%	-69.5%	-39.2%
BUSINESS INFRASTRUCTURE & SERVICES	254,659	16.4%	5.5%	16.3%	-6.7%
WHOLESALE TRADE	55,374	3.6%	-11.7%	-3.3%	-7.5%
PERSONNEL & ACCOUNTING SERVICES	29,148	1.9%	-23.8%	-14.6%	-16.6%
ADMINISTRATIVE SERVICES	28,538	1.8%	9.8%	42.6%	-11.8%
FACILITIES	28,240	1.8%	15.0%	19.6%	-2.0%
TECHNICAL & MANAGEMENT CONSULTING SERVICES	22,865	1.5%	19.7%	14.5%	-5.7%
MANAGEMENT OFFICES	27,437	1.8%	68.7%	74.4%	-3.8%
DESIGN, ARCHITECTURE & ENGINEERING SERVICES	21,577	1.4%	16.2%	30.1%	0.0%
GOODS MOVEMENT	14,348	0.9%	20.1%	44.2%	6.0%
LEGAL	10,727	0.7%	-3.8%	9.8%	-4.5%
INVESTMENT & EMPLOYER INSURANCE SERVICES	14,474	0.9%	56.8%	53.8%	-0.6%
MARKETING, ADVERTISING & PUBLIC RELATIONS	1,931	0.1%	-46.1%	-23.0%	-42.0%
OTHER MANUFACTURING	55,876	3.6%	-19.3%	-3.9%	-7.7%
PRIMARY & FABRICATED METAL MANUFACTURING	14,003	0.9%	-13.3%	-3.2%	-6.9%
MACHINERY & RELATED EQUIPMENT MANUFACTURING	13,364	0.9%	-3.5%	21.9%	-0.3%
OTHER MANUFACTURING	10,206	0.7%	5.2%	16.1%	-4.9%
TRANSPORTATION MANUFACTURING INCLUDING AEROSPACE & DEFENSE	8,773	0.6%	1.2%	-24.0%	-4.6%
FOOD & BEVERAGE MANUFACTURING	6,312	0.4%	-60.4%	-25.7%	-24.7%
TEXTILES, APPAREL, WOOD & FURNITURE MANUFACTURING	2,869	0.2%	-25.1%	-1.3%	-16.5%
PETROLEUM AND CHEMICAL MANUFACTURING (NOT IN LIFE SCIENCES)	350	0.0%	-67.5%	-63.3%	-2.6%
OTHER	66,411	4.3%	23.3%	37.0%	-8.8%

1. Includes government jobs (state and local).
2. Excludes government jobs in Healthcare & Social Services, Education, and Utilities.
Note: Table includes annual industry employment data for Silicon Valley from the United States Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW) for 2007, 2010, 2019 and 2020, modified slightly by EMSI, which removes suppressions and reorganizes public sector employment. Data for Q2 of 2020 was estimated at the industry level by BW Research using Q2 2020 reported growth and totals, and modified slightly by EMSI. Due to rounding, individual industry employment totals may not sum to industry group or overall total.
Data Sources: U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages, EMSI
Analysis: BW Research

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Employment by Major Areas of Economic Activity

Organizes employment into:

- **Community Infrastructure & Services** include Healthcare & Social Services (including state and local government jobs); Retail; Accommodation & Food Services; Education (including state and local government jobs); Construction; Local Government Administration; Transportation; Banking & Financial Services; Arts, Entertainment & Recreation; Personal Services; Federal Government Administration; Nonprofits; Insurance Services; State Government Administration; Warehousing & Storage; and Utilities (including state and local government jobs).

- **Innovation & Information Products and Services** include Computer Hardware Design & Manufacturing; Semiconductors & related Equipment Manufacturing; Internet & Information Services; Technical Research & Development (Include Life Sciences); Software; Telecommunications Manufacturing & Services; Instrument Manufacturing (Navigation, Measuring & Electromedical); Pharmaceuticals (Life Sciences); Other Media & Broadcasting, including Publishing; Medical Devices (Life Sciences); Biotechnology (Life Sciences); and I.T. Repair Services.

- **Business Infrastructure & Services** include Wholesale Trade; Personnel & Accounting Services; Administrative Services; Technical & Management Consulting Services; Facilities; Management Offices; Design, Architecture & Engineering Services; Goods Movement; Legal; Investment & Employer Insurance Services; and Marketing, Advertising & Public Relations.

- **Other Manufacturing** includes Primary & Fabricated Metal Manufacturing; Machinery & Related Equipment Manufacturing; Other Manufacturing; Transportation Manufacturing including Aerospace & Defense; Food & Beverage Manufacturing; Textiles, Apparel, Wood & Furniture Manufacturing; and Petroleum and Chemical Manufacturing (Not in Life Sciences).

MAJOR AREAS OF ECONOMIC ACTIVITY

Employment in Major Areas of Economic Activity, by Tier

Silicon Valley | 2020

MAJOR AREAS OF ECONOMIC ACTIVITY

Mid-Year Employment Levels

Silicon Valley

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Occupational Segmentation into Tiers

delineates the majority of occupations into:

- **Tier 1 Occupations** include managers (Chief Executives, Financial Managers, and Sales Managers), professional positions (Lawyers, Accountants, and Physicians) and highly-skilled technical occupations, such as Scientists, Computer Programmers, and Engineers, and are typically the highest-paying, highest-skilled occupations in the economy.

- **Tier 2 Occupations** include sales positions (Sales Representatives), teachers, and librarians, office and administrative positions (Accounting Clerks and Secretaries), and manufacturing, operations, and production positions (Assemblers, Electricians, and Machinists). They have historically provided the majority of employment opportunities and may be referred to as middle-wage, middle-skill positions.

- **Tier 3 Occupations** include protective services (Security Guards), food service and retail positions (Waiters, Cooks, and Cashiers), building and grounds cleaning positions (Janitors), and personal care positions (Home Health Aides and Child Care Workers).

High-Skill / High-Wage

Mid-Skill / Mid-Wage

Low-Skill / Low-Wage

Occupational Segmentation into Tiers

	Silicon Valley	California	United States
Tier 1	$126,500	$103,800	$86,900
Tier 2	$66,900	$58,800	$50,500
Tier 3	$46,400	$37,900	$34,500

Source: JobsEQ
Annual 50% percentile (median) wages

High-Skill / High-Wage

Mid-Skill / Mid-Wage

Low-Skill / Low-Wage

Occupational Segmentation into Tiers

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