

# **North Bay Industry Sector Rankings (By County)**



**October 2015**

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# North Bay Industry Sector Rankings (By County)

Source: EMSI (Economic Modeling Specialists, Intl.)

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# Lake County

## Jobs

Industry Sector	Jobs 2015	Jobs 2020
Health Care and Social Assistance	4,472	5,397
Government/Public Sector	4,074	4,357
Retail Trade	2,170	2,374
Agriculture, Forestry, Fishing and Hunting	1,125	1,160
Accommodation and Food Services (Hospitality)	996	893
Other Services (Personal and Repair Services)	616	605
Utilities	419	448
Construction	382	311
Administrative and Support and Waste Management and Remediation Services	315	405
Manufacturing	291	346
Professional, Scientific, and Technical Services	249	257
Finance and Insurance	231	247
Real Estate and Rental and Leasing	179	187
Wholesale Trade	160	193
Transportation and Logistics	153	161
Information	146	189
Management of Companies and Enterprises	84	91
Mining, Quarrying, and Oil and Gas Extraction	53	61
Educational Services	41	45
Arts, Entertainment, and Recreation	40	18

## Job Growth (Projected)

Industry Sector	Job Growth 2015-2020
Health Care and Social Assistance	925
Government/Public Sector	283
Retail Trade	204
Administrative and Support and Waste Management and Remediation Services	90
Manufacturing	55
Information	43
Agriculture, Forestry, Fishing and Hunting	35
Wholesale Trade	33
Utilities	29
Finance and Insurance	16
Professional, Scientific, and Technical Services	8
Real Estate and Rental and Leasing	8
Transportation and Logistics	8
Mining, Quarrying, and Oil and Gas Extraction	8
Management of Companies and Enterprises	7
Educational Services	4
Other Services (Personal and Repair Services)	-11
Arts, Entertainment, and Recreation	-22
Construction	-71
Accommodation and Food Services (Hospitality)	-103

# Lake County

## Job Growth Rate

Industry Sector	Job Growth Rate 2015-2020
Information	29%
Administrative and Support and Waste Management and Remediation Services	29%
Health Care and Social Assistance	21%
Wholesale Trade	21%
Manufacturing	19%
Mining, Quarrying, and Oil and Gas Extraction	15%
Educational Services	10%
Retail Trade	9%
Management of Companies and Enterprises	8%
Government/Public Sector	7%
Finance and Insurance	7%
Utilities	7%
Transportation and Logistics	5%
Real Estate and Rental and Leasing	4%
Professional, Scientific, and Technical Services	3%
Agriculture, Forestry, Fishing and Hunting	3%
Other Services (Personal and Repair Services)	-2%
Accommodation and Food Services (Hospitality)	-10%
Construction	-19%
Arts, Entertainment, and Recreation	-55%

## Location Quotient

Industry Sector	LQ
Agriculture, Forestry, Fishing and Hunting	7.40
Utilities	6.76
Health Care and Social Assistance	2.18
Government/Public Sector	1.52
Retail Trade	1.25
Other Services (Personal and Repair Services)	0.96
Real Estate and Rental and Leasing	0.75
Accommodation and Food Services (Hospitality)	0.69
Mining, Quarrying, and Oil and Gas Extraction	0.56
Construction	0.52
Information	0.47
Finance and Insurance	0.35
Management of Companies and Enterprises	0.35
Administrative and Support and Waste Management and Remediation Services	0.32
Transportation and Logistics	0.29
Professional, Scientific, and Technical Services	0.26
Wholesale Trade	0.24
Manufacturing	0.21
Arts, Entertainment, and Recreation	0.17
Educational Services	0.10

# Lake County

## Total Average Earnings

Industry Sector	Average Earnings
Utilities	\$179,407
Wholesale Trade	\$71,116
Mining, Quarrying, and Oil and Gas Extraction	\$64,875
Management of Companies and Enterprises	\$62,188
Information	\$59,649
Government/Public Sector	\$59,047
Manufacturing	\$51,631
Transportation and Logistics	\$45,836
Professional, Scientific, and Technical Services	\$45,535
Construction	\$42,408
Administrative and Support and Waste Management and Remediation Services	\$41,722
Finance and Insurance	\$41,665
Health Care and Social Assistance	\$33,641
Agriculture, Forestry, Fishing and Hunting	\$32,855
Real Estate and Rental and Leasing	\$30,560
Retail Trade	\$30,326
Other Services (Personal and Repair Services)	\$23,882
Educational Services	\$23,177
Arts, Entertainment, and Recreation	\$19,128
Accommodation and Food Services (Hospitality)	\$16,568

## Gross Regional Product

Industry Sector	GRP
Government/Public Sector	\$268,880,293
Utilities	\$253,825,752
Health Care and Social Assistance	\$168,399,772
Real Estate and Rental and Leasing	\$134,137,525
Retail Trade	\$110,750,377
Agriculture, Forestry, Fishing and Hunting	\$61,127,915
Finance and Insurance	\$40,046,037
Construction	\$37,951,152
Manufacturing	\$37,895,967
Professional, Scientific, and Technical Services	\$36,835,492
Wholesale Trade	\$34,752,371
Accommodation and Food Services (Hospitality)	\$33,651,906
Other Services (Personal and Repair Services)	\$33,646,740
Administrative and Support and Waste Management and Remediation Services	\$31,174,269
Information	\$27,632,065
Transportation and Logistics	\$15,686,682
Mining, Quarrying, and Oil and Gas Extraction	\$12,607,465
Management of Companies and Enterprises	\$5,346,803
Arts, Entertainment, and Recreation	\$5,063,126
Educational Services	\$3,439,559

# Lake County

## Overall Ranking

<b>Rank</b>	<b>Industry Sector</b>
1	Health Care and Social Assistance
2	Government/Public Sector
3	Utilities
4	Retail Trade
5	Agriculture, Forestry, Fishing and Hunting
6	Administrative and Support and Waste Management and Remediation Services
7	Manufacturing
7	Information
9	Wholesale Trade
10	Finance and Insurance
11	Real Estate and Rental and Leasing
11	Mining, Quarrying, and Oil and Gas Extraction
13	Professional, Scientific, and Technical Services
14	Construction
15	Management of Companies and Enterprises
16	Other Services (Personal and Repair Services)
17	Transportation and Logistics
18	Accommodation and Food Services (Hospitality)
19	Educational Services
20	Arts, Entertainment, and Recreation



# Marin County

## Jobs

Industry Sector	Jobs 2015	Jobs 2020
Health Care and Social Assistance	16,235	18,303
Government/Public Sector	16,156	16,167
Retail Trade	14,376	15,042
Accommodation and Food Services (Hospitality)	12,760	13,920
Professional, Scientific, and Technical Services	10,680	11,028
Construction	6,527	6,179
Administrative and Support and Waste Management and Remediation Services	6,474	6,878
Other Services (Personal and Repair Services)	5,897	6,405
Finance and Insurance	5,256	5,461
Educational Services	3,717	4,117
Manufacturing	3,351	4,097
Wholesale Trade	2,861	3,111
Arts, Entertainment, and Recreation	2,766	2,789
Information	2,731	3,046
Real Estate and Rental and Leasing	2,334	2,183
Management of Companies and Enterprises	2,252	2,238
Transportation and Logistics	975	1,000
Agriculture, Forestry, Fishing and Hunting	419	373
Utilities	312	335
Mining, Quarrying, and Oil and Gas Extraction	10	15

## Job Growth (Projected)

Industry Sector	Job Growth 2015-2020
Health Care and Social Assistance	2,068
Accommodation and Food Services (Hospitality)	1,160
Manufacturing	746
Retail Trade	666
Other Services (Personal and Repair Services)	508
Administrative and Support and Waste Management and Remediation Services	404
Educational Services	400
Professional, Scientific, and Technical Services	348
Information	315
Wholesale Trade	250
Finance and Insurance	205
Transportation and Logistics	25
Arts, Entertainment, and Recreation	23
Utilities	23
Government/Public Sector	11
Mining, Quarrying, and Oil and Gas Extraction	5
Management of Companies and Enterprises	-14
Agriculture, Forestry, Fishing and Hunting	-46
Real Estate and Rental and Leasing	-151
Construction	-348

# Marin County

## Job Growth Rate

Industry Sector	Job Growth Rate 2015-2020
Mining, Quarrying, and Oil and Gas Extraction	50%
Manufacturing	22%
Health Care and Social Assistance	13%
Information	12%
Educational Services	11%
Accommodation and Food Services (Hospitality)	9%
Wholesale Trade	9%
Other Services (Personal and Repair Services)	9%
Utilities	7%
Administrative and Support and Waste Management and Remediation Services	6%
Retail Trade	5%
Finance and Insurance	4%
Professional, Scientific, and Technical Services	3%
Transportation and Logistics	3%
Arts, Entertainment, and Recreation	1%
Government/Public Sector	0%
Management of Companies and Enterprises	-1%
Construction	-5%
Real Estate and Rental and Leasing	-6%
Agriculture, Forestry, Fishing and Hunting	-11%

## Location Quotient

Industry Sector	LQ
Arts, Entertainment, and Recreation	1.62
Professional, Scientific, and Technical Services	1.54
Real Estate and Rental and Leasing	1.36
Management of Companies and Enterprises	1.29
Other Services (Personal and Repair Services)	1.28
Educational Services	1.27
Accommodation and Food Services (Hospitality)	1.24
Construction	1.24
Information	1.23
Retail Trade	1.15
Health Care and Social Assistance	1.10
Finance and Insurance	1.10
Administrative and Support and Waste Management and Remediation Services	0.92
Government/Public Sector	0.84
Utilities	0.70
Wholesale Trade	0.60
Agriculture, Forestry, Fishing and Hunting	0.38
Manufacturing	0.34
Transportation and Logistics	0.26
Mining, Quarrying, and Oil and Gas Extraction	0.02

# Marin County

## Total Average Earnings

Industry Sector	Average Earnings
Mining, Quarrying, and Oil and Gas Extraction	\$223,864
Management of Companies and Enterprises	\$210,267
Utilities	\$158,563
Finance and Insurance	\$145,070
Information	\$120,733
Manufacturing	\$117,131
Professional, Scientific, and Technical Services	\$105,717
Wholesale Trade	\$100,148
Government/Public Sector	\$96,175
Construction	\$75,372
Real Estate and Rental and Leasing	\$72,640
Health Care and Social Assistance	\$64,880
Administrative and Support and Waste Management and Remediation Services	\$56,603
Educational Services	\$55,832
Transportation and Logistics	\$53,534
Retail Trade	\$45,891
Other Services (Personal and Repair Services)	\$42,473
Agriculture, Forestry, Fishing and Hunting	\$41,385
Arts, Entertainment, and Recreation	\$37,551
Accommodation and Food Services (Hospitality)	\$27,111

## Gross Regional Product

Industry Sector	GRP
Real Estate and Rental and Leasing	\$2,864,393,406
Professional, Scientific, and Technical Services	\$2,470,991,067
Finance and Insurance	\$1,927,486,129
Government/Public Sector	\$1,753,571,092
Health Care and Social Assistance	\$1,414,963,715
Retail Trade	\$1,035,523,945
Information	\$1,009,697,465
Construction	\$735,804,473
Wholesale Trade	\$667,196,244
Administrative and Support and Waste Management and Remediation Services	\$640,600,616
Accommodation and Food Services (Hospitality)	\$501,523,107
Manufacturing	\$460,708,258
Other Services (Personal and Repair Services)	\$418,446,265
Management of Companies and Enterprises	\$390,997,583
Arts, Entertainment, and Recreation	\$342,144,580
Educational Services	\$301,089,360
Utilities	\$165,768,055
Transportation and Logistics	\$122,125,111
Agriculture, Forestry, Fishing and Hunting	\$54,494,256
Mining, Quarrying, and Oil and Gas Extraction	\$18,942,753

# Marin County

## Overall Ranking

<b>Rank</b>	<b>Industry Sector</b>
1	Health Care and Social Assistance
2	Professional, Scientific, and Technical Services
3	Information
4	Finance and Insurance
4	Retail Trade
4	Accommodation and Food Services (Hospitality)
7	Manufacturing
8	Other Services (Personal and Repair Services)
9	Educational Services
10	Administrative and Support and Waste Management and Remediation Services
11	Government/Public Sector
12	Wholesale Trade
13	Real Estate and Rental and Leasing
14	Construction
15	Management of Companies and Enterprises
16	Arts, Entertainment, and Recreation
16	Utilities
18	Mining, Quarrying, and Oil and Gas Extraction
19	Transportation and Logistics
20	Agriculture, Forestry, Fishing and Hunting

# Mendocino County

## Jobs

Industry Sector	Jobs 2015	Jobs 2020
Government/Public Sector	6,755	6,839
Health Care and Social Assistance	5,643	6,594
Retail Trade	4,400	4,623
Accommodation and Food Services (Hospitality)	3,937	4,138
Manufacturing	2,349	2,312
Agriculture, Forestry, Fishing and Hunting	1,792	1,456
Construction	1,039	1,032
Wholesale Trade	938	1,103
Administrative and Support and Waste Management and Remediation Services	827	914
Other Services (Personal and Repair Services)	816	778
Professional, Scientific, and Technical Services	600	644
Finance and Insurance	597	644
Real Estate and Rental and Leasing	495	502
Transportation and Logistics	490	522
Arts, Entertainment, and Recreation	361	389
Educational Services	313	363
Information	270	288
Management of Companies and Enterprises	200	189
Utilities	158	150
Mining, Quarrying, and Oil and Gas Extraction	43	39

## Job Growth (Projected)

Industry Sector	Job Growth 2015-2020
Health Care and Social Assistance	951
Retail Trade	223
Accommodation and Food Services (Hospitality)	201
Wholesale Trade	165
Administrative and Support and Waste Management and Remediation Services	87
Government/Public Sector	84
Educational Services	50
Finance and Insurance	47
Professional, Scientific, and Technical Services	44
Transportation and Logistics	32
Arts, Entertainment, and Recreation	28
Information	18
Real Estate and Rental and Leasing	7
Mining, Quarrying, and Oil and Gas Extraction	-4
Construction	-7
Utilities	-8
Management of Companies and Enterprises	-11
Manufacturing	-37
Other Services (Personal and Repair Services)	-38
Agriculture, Forestry, Fishing and Hunting	-336

# Mendocino County

## Job Growth Rate

Industry Sector	Job Growth Rate 2015-2020
Wholesale Trade	18%
Health Care and Social Assistance	17%
Educational Services	16%
Administrative and Support and Waste Management and Remediation Services	11%
Finance and Insurance	8%
Arts, Entertainment, and Recreation	8%
Professional, Scientific, and Technical Services	7%
Information	7%
Transportation and Logistics	7%
Accommodation and Food Services (Hospitality)	5%
Retail Trade	5%
Real Estate and Rental and Leasing	1%
Government/Public Sector	1%
Construction	-1%
Manufacturing	-2%
Other Services (Personal and Repair Services)	-5%
Utilities	-5%
Management of Companies and Enterprises	-6%
Mining, Quarrying, and Oil and Gas Extraction	-9%
Agriculture, Forestry, Fishing and Hunting	-19%

## Location Quotient

Industry Sector	LQ
Agriculture, Forestry, Fishing and Hunting	5.95
Health Care and Social Assistance	1.39
Accommodation and Food Services (Hospitality)	1.39
Utilities	1.29
Retail Trade	1.28
Government/Public Sector	1.27
Real Estate and Rental and Leasing	1.05
Manufacturing	0.86
Arts, Entertainment, and Recreation	0.77
Wholesale Trade	0.72
Construction	0.71
Other Services (Personal and Repair Services)	0.64
Transportation and Logistics	0.47
Finance and Insurance	0.45
Information	0.44
Administrative and Support and Waste Management and Remediation Services	0.43
Management of Companies and Enterprises	0.41
Educational Services	0.39
Professional, Scientific, and Technical Services	0.31
Mining, Quarrying, and Oil and Gas Extraction	0.23

# Mendocino County

## Total Average Earnings

Industry Sector	Average Earnings
Utilities	\$145,993
Management of Companies and Enterprises	\$69,820
Mining, Quarrying, and Oil and Gas Extraction	\$64,733
Government/Public Sector	\$63,941
Manufacturing	\$60,256
Construction	\$53,591
Finance and Insurance	\$53,321
Wholesale Trade	\$50,774
Transportation and Logistics	\$48,538
Information	\$48,481
Administrative and Support and Waste Management and Remediation Services	\$44,503
Professional, Scientific, and Technical Services	\$43,831
Health Care and Social Assistance	\$39,089
Agriculture, Forestry, Fishing and Hunting	\$37,927
Retail Trade	\$34,741
Educational Services	\$31,780
Real Estate and Rental and Leasing	\$28,954
Other Services (Personal and Repair Services)	\$27,450
Accommodation and Food Services (Hospitality)	\$20,279
Arts, Entertainment, and Recreation	\$16,534

## Gross Regional Product

Industry Sector	GRP
Government/Public Sector	\$497,101,977
Manufacturing	\$309,549,051
Health Care and Social Assistance	\$267,834,680
Retail Trade	\$257,987,525
Real Estate and Rental and Leasing	\$202,873,746
Agriculture, Forestry, Fishing and Hunting	\$144,558,329
Accommodation and Food Services (Hospitality)	\$135,759,401
Construction	\$120,516,581
Finance and Insurance	\$103,559,257
Utilities	\$97,970,056
Professional, Scientific, and Technical Services	\$97,123,171
Wholesale Trade	\$89,990,213
Administrative and Support and Waste Management and Remediation Services	\$77,209,593
Other Services (Personal and Repair Services)	\$61,444,315
Information	\$49,561,529
Transportation and Logistics	\$39,762,055
Arts, Entertainment, and Recreation	\$26,250,640
Mining, Quarrying, and Oil and Gas Extraction	\$16,228,335
Management of Companies and Enterprises	\$16,052,964
Educational Services	\$15,497,684

# Mendocino County

## Overall Ranking

<b>Rank</b>	<b>Industry Sector</b>
1	Health Care and Social Assistance
2	Government/Public Sector
3	Retail Trade
4	Wholesale Trade
5	Accommodation and Food Services (Hospitality)
6	Manufacturing
7	Finance and Insurance
8	Administrative and Support and Waste Management and Remediation Services
9	Construction
10	Real Estate and Rental and Leasing
10	Agriculture, Forestry, Fishing and Hunting
10	Utilities
13	Professional, Scientific, and Technical Services
14	Transportation and Logistics
15	Information
16	Arts, Entertainment, and Recreation
17	Educational Services
18	Other Services (Personal and Repair Services)
19	Management of Companies and Enterprises
20	Mining, Quarrying, and Oil and Gas Extraction



# Napa County

## Jobs

Industry Sector	Jobs 2015	Jobs 2020
Manufacturing	12,836	13,948
Accommodation and Food Services (Hospitality)	11,358	13,177
Government/Public Sector	9,979	10,549
Health Care and Social Assistance	8,500	9,555
Retail Trade	6,377	6,867
Agriculture, Forestry, Fishing and Hunting	5,074	5,055
Administrative and Support and Waste Management and Remediation Services	4,590	5,119
Construction	3,655	4,097
Other Services (Personal and Repair Services)	2,357	2,583
Professional, Scientific, and Technical Services	1,784	2,120
Transportation and Logistics	1,708	2,016
Wholesale Trade	1,583	1,926
Finance and Insurance	1,478	1,581
Educational Services	1,290	1,350
Real Estate and Rental and Leasing	885	922
Arts, Entertainment, and Recreation	804	828
Information	593	644
Management of Companies and Enterprises	490	632
Utilities	171	159
Mining, Quarrying, and Oil and Gas Extraction	26	30

## Job Growth (Projected)

Industry Sector	Job Growth 2015-2020
Accommodation and Food Services (Hospitality)	1,819
Manufacturing	1,112
Health Care and Social Assistance	1,055
Government/Public Sector	570
Administrative and Support and Waste Management and Remediation Services	529
Retail Trade	490
Construction	442
Wholesale Trade	343
Professional, Scientific, and Technical Services	336
Transportation and Logistics	308
Other Services (Personal and Repair Services)	226
Management of Companies and Enterprises	142
Finance and Insurance	103
Educational Services	60
Information	51
Real Estate and Rental and Leasing	37
Arts, Entertainment, and Recreation	24
Mining, Quarrying, and Oil and Gas Extraction	4
Utilities	-12
Agriculture, Forestry, Fishing and Hunting	-19

# Napa County

## Job Growth Rate

Industry Sector	Job Growth Rate 2015-2020
Management of Companies and Enterprises	29%
Wholesale Trade	22%
Professional, Scientific, and Technical Services	19%
Transportation and Logistics	18%
Accommodation and Food Services (Hospitality)	16%
Mining, Quarrying, and Oil and Gas Extraction	15%
Health Care and Social Assistance	12%
Construction	12%
Administrative and Support and Waste Management and Remediation Services	12%
Other Services (Personal and Repair Services)	10%
Manufacturing	9%
Information	9%
Retail Trade	8%
Finance and Insurance	7%
Government/Public Sector	6%
Educational Services	5%
Real Estate and Rental and Leasing	4%
Arts, Entertainment, and Recreation	3%
Agriculture, Forestry, Fishing and Hunting	0%
Utilities	-7%

## Location Quotient

Industry Sector	LQ
Agriculture, Forestry, Fishing and Hunting	7.16
Manufacturing	2.01
Accommodation and Food Services (Hospitality)	1.70
Construction	1.07
Administrative and Support and Waste Management and Remediation Services	1.00
Health Care and Social Assistance	0.89
Government/Public Sector	0.80
Real Estate and Rental and Leasing	0.79
Retail Trade	0.79
Other Services (Personal and Repair Services)	0.79
Arts, Entertainment, and Recreation	0.73
Transportation and Logistics	0.69
Educational Services	0.68
Utilities	0.59
Wholesale Trade	0.52
Finance and Insurance	0.48
Management of Companies and Enterprises	0.43
Information	0.41
Professional, Scientific, and Technical Services	0.40
Mining, Quarrying, and Oil and Gas Extraction	0.06

# Napa County

## Total Average Earnings

Industry Sector	Average Earnings
Utilities	\$151,196
Finance and Insurance	\$109,326
Management of Companies and Enterprises	\$104,347
Wholesale Trade	\$100,140
Government/Public Sector	\$84,091
Professional, Scientific, and Technical Services	\$79,428
Manufacturing	\$79,349
Construction	\$72,675
Information	\$72,012
Mining, Quarrying, and Oil and Gas Extraction	\$62,609
Health Care and Social Assistance	\$60,031
Real Estate and Rental and Leasing	\$52,420
Transportation and Logistics	\$50,432
Agriculture, Forestry, Fishing and Hunting	\$48,663
Other Services (Personal and Repair Services)	\$38,239
Retail Trade	\$38,091
Educational Services	\$37,607
Administrative and Support and Waste Management and Remediation Services	\$36,592
Accommodation and Food Services (Hospitality)	\$32,754
Arts, Entertainment, and Recreation	\$28,047

## Gross Regional Product

Industry Sector	GRP
Manufacturing	\$2,081,592,300
Government/Public Sector	\$936,513,534
Real Estate and Rental and Leasing	\$658,339,361
Health Care and Social Assistance	\$599,977,668
Accommodation and Food Services (Hospitality)	\$581,547,548
Wholesale Trade	\$383,985,637
Retail Trade	\$376,590,230
Professional, Scientific, and Technical Services	\$367,656,719
Construction	\$366,152,768
Finance and Insurance	\$353,873,435
Agriculture, Forestry, Fishing and Hunting	\$302,277,182
Administrative and Support and Waste Management and Remediation Services	\$249,863,213
Information	\$155,010,516
Other Services (Personal and Repair Services)	\$142,871,022
Transportation and Logistics	\$134,720,617
Mining, Quarrying, and Oil and Gas Extraction	\$111,204,005
Utilities	\$99,539,419
Educational Services	\$86,829,939
Management of Companies and Enterprises	\$73,388,548
Arts, Entertainment, and Recreation	\$54,716,114

# Napa County

## Overall Ranking

<b>Rank</b>	<b>Industry Sector</b>
1	Manufacturing
2	Health Care and Social Assistance
2	Accommodation and Food Services (Hospitality)
4	Government/Public Sector
5	Construction
6	Wholesale Trade
7	Administrative and Support and Waste Management and Remediation Services
8	Retail Trade
8	Professional, Scientific, and Technical Services
10	Transportation and Logistics
11	Other Services (Personal and Repair Services)
12	Finance and Insurance
13	Management of Companies and Enterprises
14	Real Estate and Rental and Leasing
14	Agriculture, Forestry, Fishing and Hunting
16	Utilities
17	Information
18	Mining, Quarrying, and Oil and Gas Extraction
19	Educational Services
20	Arts, Entertainment, and Recreation

# Solano County

## Jobs

Industry Sector	Jobs 2015	Jobs 2020
Government/Public Sector	31,040	31,186
Health Care and Social Assistance	22,093	25,808
Retail Trade	17,881	18,748
Accommodation and Food Services (Hospitality)	11,807	12,887
Manufacturing	11,407	12,168
Construction	8,929	9,700
Administrative and Support and Waste Management and Remediation Services	4,997	5,031
Other Services (Personal and Repair Services)	4,449	4,777
Wholesale Trade	4,340	4,913
Professional, Scientific, and Technical Services	4,161	4,976
Transportation and Logistics	3,853	3,975
Finance and Insurance	3,724	4,107
Arts, Entertainment, and Recreation	3,675	4,135
Agriculture, Forestry, Fishing and Hunting	1,790	1,735
Educational Services	1,759	1,873
Real Estate and Rental and Leasing	1,411	1,381
Information	1,085	1,061
Management of Companies and Enterprises	741	411
Utilities	614	600
Mining, Quarrying, and Oil and Gas Extraction	265	231

## Job Growth (Projected)

Industry Sector	Job Growth 2015-2020
Health Care and Social Assistance	3,715
Accommodation and Food Services (Hospitality)	1,080
Retail Trade	867
Professional, Scientific, and Technical Services	815
Construction	771
Manufacturing	761
Wholesale Trade	573
Arts, Entertainment, and Recreation	460
Finance and Insurance	383
Other Services (Personal and Repair Services)	328
Government/Public Sector	146
Transportation and Logistics	122
Educational Services	114
Administrative and Support and Waste Management and Remediation Services	34
Utilities	-14
Information	-24
Real Estate and Rental and Leasing	-30
Mining, Quarrying, and Oil and Gas Extraction	-34
Agriculture, Forestry, Fishing and Hunting	-55
Management of Companies and Enterprises	-330

# Solano County

## Job Growth Rate

Industry Sector	Job Growth Rate 2015-2020
Professional, Scientific, and Technical Services	20%
Health Care and Social Assistance	17%
Wholesale Trade	13%
Arts, Entertainment, and Recreation	13%
Finance and Insurance	10%
Accommodation and Food Services (Hospitality)	9%
Construction	9%
Other Services (Personal and Repair Services)	7%
Manufacturing	7%
Educational Services	6%
Retail Trade	5%
Transportation and Logistics	3%
Administrative and Support and Waste Management and Remediation Services	1%
Government/Public Sector	0%
Real Estate and Rental and Leasing	-2%
Information	-2%
Utilities	-2%
Agriculture, Forestry, Fishing and Hunting	-3%
Mining, Quarrying, and Oil and Gas Extraction	-13%
Management of Companies and Enterprises	-45%

## Location Quotient

Industry Sector	LQ
Arts, Entertainment, and Recreation	1.79
Construction	1.41
Agriculture, Forestry, Fishing and Hunting	1.36
Government/Public Sector	1.34
Health Care and Social Assistance	1.24
Retail Trade	1.19
Utilities	1.15
Manufacturing	0.96
Accommodation and Food Services (Hospitality)	0.95
Transportation and Logistics	0.84
Other Services (Personal and Repair Services)	0.80
Wholesale Trade	0.76
Real Estate and Rental and Leasing	0.68
Finance and Insurance	0.65
Administrative and Support and Waste Management and Remediation Services	0.59
Educational Services	0.50
Professional, Scientific, and Technical Services	0.50
Information	0.41
Management of Companies and Enterprises	0.35
Mining, Quarrying, and Oil and Gas Extraction	0.33

# Solano County

## Total Average Earnings

Industry Sector	Average Earnings
Utilities	\$167,685
Manufacturing	\$142,064
Management of Companies and Enterprises	\$96,140
Mining, Quarrying, and Oil and Gas Extraction	\$87,476
Construction	\$79,830
Government/Public Sector	\$77,694
Wholesale Trade	\$71,779
Finance and Insurance	\$71,133
Health Care and Social Assistance	\$71,044
Information	\$62,847
Professional, Scientific, and Technical Services	\$61,492
Transportation and Logistics	\$53,437
Educational Services	\$49,982
Real Estate and Rental and Leasing	\$45,334
Administrative and Support and Waste Management and Remediation Services	\$44,170
Agriculture, Forestry, Fishing and Hunting	\$38,382
Other Services (Personal and Repair Services)	\$35,829
Retail Trade	\$33,896
Arts, Entertainment, and Recreation	\$24,683
Accommodation and Food Services (Hospitality)	\$19,036

## Gross Regional Product

Industry Sector	GRP
Manufacturing	\$5,565,756,264
Government/Public Sector	\$3,501,746,478
Health Care and Social Assistance	\$1,733,468,540
Construction	\$1,070,747,768
Retail Trade	\$942,470,255
Real Estate and Rental and Leasing	\$804,996,827
Wholesale Trade	\$698,668,140
Finance and Insurance	\$677,900,117
Professional, Scientific, and Technical Services	\$389,193,052
Administrative and Support and Waste Management and Remediation Services	\$364,737,615
Accommodation and Food Services (Hospitality)	\$345,252,981
Utilities	\$308,197,350
Transportation and Logistics	\$293,696,048
Other Services (Personal and Repair Services)	\$265,223,266
Information	\$232,906,560
Arts, Entertainment, and Recreation	\$163,301,762
Agriculture, Forestry, Fishing and Hunting	\$106,115,255
Management of Companies and Enterprises	\$103,855,960
Educational Services	\$92,908,375
Mining, Quarrying, and Oil and Gas Extraction	\$82,622,133

# Solano County

## Overall Ranking

<b>Rank</b>	<b>Industry Sector</b>
1	Health Care and Social Assistance
2	Construction
3	Manufacturing
4	Government/Public Sector
5	Wholesale Trade
6	Retail Trade
7	Professional, Scientific, and Technical Services
8	Accommodation and Food Services (Hospitality)
9	Finance and Insurance
10	Arts, Entertainment, and Recreation
11	Other Services (Personal and Repair Services)
12	Transportation and Logistics
13	Utilities
14	Administrative and Support and Waste Management and Remediation Services
15	Real Estate and Rental and Leasing
16	Educational Services
17	Agriculture, Forestry, Fishing and Hunting
18	Information
19	Management of Companies and Enterprises
20	Mining, Quarrying, and Oil and Gas Extraction



# Sonoma County

## Jobs

Industry Sector	Jobs 2015	Jobs 2020
Government/Public Sector	30,460	30,997
Health Care and Social Assistance	29,404	33,108
Retail Trade	24,598	25,867
Accommodation and Food Services (Hospitality)	21,210	22,807
Manufacturing	19,997	20,111
Construction	11,274	11,599
Administrative and Support and Waste Management and Remediation Services	10,189	10,929
Professional, Scientific, and Technical Services	8,749	9,614
Wholesale Trade	7,885	8,751
Other Services (Personal and Repair Services)	7,616	7,939
Agriculture, Forestry, Fishing and Hunting	6,353	6,226
Finance and Insurance	5,047	4,819
Transportation and Logistics	3,702	3,884
Arts, Entertainment, and Recreation	3,629	3,871
Real Estate and Rental and Leasing	2,992	3,095
Information	2,654	2,600
Educational Services	2,289	2,347
Management of Companies and Enterprises	1,981	1,970
Utilities	771	741
Mining, Quarrying, and Oil and Gas Extraction	207	180

## Job Growth (Projected)

Industry Sector	Job Growth 2015-2020
Health Care and Social Assistance	3,704
Accommodation and Food Services (Hospitality)	1,597
Retail Trade	1,269
Wholesale Trade	866
Professional, Scientific, and Technical Services	865
Administrative and Support and Waste Management and Remediation Services	740
Government/Public Sector	537
Construction	325
Other Services (Personal and Repair Services)	323
Arts, Entertainment, and Recreation	242
Transportation and Logistics	182
Manufacturing	114
Real Estate and Rental and Leasing	103
Educational Services	58
Management of Companies and Enterprises	-11
Mining, Quarrying, and Oil and Gas Extraction	-27
Utilities	-30
Information	-54
Agriculture, Forestry, Fishing and Hunting	-127
Finance and Insurance	-228

# Sonoma County

## Job Growth Rate

Industry Sector	Job Growth Rate 2015-2020
Health Care and Social Assistance	13%
Wholesale Trade	11%
Professional, Scientific, and Technical Services	10%
Accommodation and Food Services (Hospitality)	8%
Administrative and Support and Waste Management and Remediation Services	7%
Arts, Entertainment, and Recreation	7%
Retail Trade	5%
Transportation and Logistics	5%
Other Services (Personal and Repair Services)	4%
Real Estate and Rental and Leasing	3%
Construction	3%
Educational Services	3%
Government/Public Sector	2%
Manufacturing	1%
Management of Companies and Enterprises	-1%
Agriculture, Forestry, Fishing and Hunting	-2%
Information	-2%
Utilities	-4%
Finance and Insurance	-5%
Mining, Quarrying, and Oil and Gas Extraction	-13%

## Location Quotient

Industry Sector	LQ
Agriculture, Forestry, Fishing and Hunting	3.36
Construction	1.23
Arts, Entertainment, and Recreation	1.23
Accommodation and Food Services (Hospitality)	1.19
Manufacturing	1.17
Health Care and Social Assistance	1.15
Retail Trade	1.14
Real Estate and Rental and Leasing	1.01
Utilities	1.00
Wholesale Trade	0.96
Other Services (Personal and Repair Services)	0.95
Government/Public Sector	0.91
Administrative and Support and Waste Management and Remediation Services	0.83
Professional, Scientific, and Technical Services	0.73
Information	0.69
Management of Companies and Enterprises	0.66
Finance and Insurance	0.61
Transportation and Logistics	0.56
Educational Services	0.45
Mining, Quarrying, and Oil and Gas Extraction	0.18

# Sonoma County

## Total Average Earnings

Industry Sector	Average Earnings
Utilities	\$157,927
Management of Companies and Enterprises	\$119,888
Mining, Quarrying, and Oil and Gas Extraction	\$90,542
Finance and Insurance	\$86,734
Manufacturing	\$80,562
Professional, Scientific, and Technical Services	\$77,774
Wholesale Trade	\$75,521
Information	\$72,160
Government/Public Sector	\$69,313
Construction	\$67,397
Health Care and Social Assistance	\$58,236
Transportation and Logistics	\$56,859
Real Estate and Rental and Leasing	\$50,364
Administrative and Support and Waste Management and Remediation Services	\$39,831
Agriculture, Forestry, Fishing and Hunting	\$39,524
Educational Services	\$39,490
Retail Trade	\$38,101
Other Services (Personal and Repair Services)	\$35,017
Arts, Entertainment, and Recreation	\$25,802
Accommodation and Food Services (Hospitality)	\$23,249

## Gross Regional Product

Industry Sector	GRP
Manufacturing	\$3,276,603,343
Government/Public Sector	\$2,354,740,400
Real Estate and Rental and Leasing	\$2,123,468,447
Health Care and Social Assistance	\$2,035,162,370
Retail Trade	\$1,475,546,085
Professional, Scientific, and Technical Services	\$1,325,270,458
Wholesale Trade	\$1,239,173,449
Construction	\$1,157,709,040
Finance and Insurance	\$1,127,726,849
Accommodation and Food Services (Hospitality)	\$721,292,035
Information	\$675,982,588
Administrative and Support and Waste Management and Remediation Services	\$658,583,369
Other Services (Personal and Repair Services)	\$491,898,316
Agriculture, Forestry, Fishing and Hunting	\$473,381,147
Utilities	\$469,503,832
Transportation and Logistics	\$333,392,005
Management of Companies and Enterprises	\$254,911,629
Arts, Entertainment, and Recreation	\$232,842,015
Educational Services	\$135,723,863
Mining, Quarrying, and Oil and Gas Extraction	\$67,623,266

# Sonoma County

## Overall Ranking

<b>Rank</b>	<b>Industry Sector</b>
1	Health Care and Social Assistance
2	Wholesale Trade
3	Professional, Scientific, and Technical Services
3	Retail Trade
3	Manufacturing
6	Accommodation and Food Services (Hospitality)
6	Construction
6	Government/Public Sector
9	Administrative and Support and Waste Management and Remediation Services
10	Real Estate and Rental and Leasing
11	Arts, Entertainment, and Recreation
12	Other Services (Personal and Repair Services)
13	Agriculture, Forestry, Fishing and Hunting
14	Transportation and Logistics
15	Utilities
16	Finance and Insurance
17	Management of Companies and Enterprises
18	Information
19	Educational Services
20	Mining, Quarrying, and Oil and Gas Extraction

## Glossary of Industry Sectors

NAICS Sector Code	Industry Sector
11	<a href="#">Agriculture, Forestry, Fishing and Hunting</a> <ul style="list-style-type: none"> <li>• Crop Production</li> <li>• Animal Production and Aquaculture</li> <li>• Forestry and Logging</li> <li>• Fishing, Hunting and Trapping</li> <li>• Support Activities for Agriculture and Forestry</li> </ul>
21	<a href="#">Mining, Quarrying, and Oil and Gas Extraction</a> <ul style="list-style-type: none"> <li>• Oil and Gas Extraction</li> <li>• Mining (except Oil and Gas)</li> <li>• Support Activities for Mining</li> </ul>
22	<a href="#">Utilities</a> <ul style="list-style-type: none"> <li>• Electric Power Generation, Transmission and Distribution</li> <li>• Natural Gas Distribution</li> <li>• Water, Sewage and Other Systems</li> </ul>
23	<a href="#">Construction</a> <ul style="list-style-type: none"> <li>• Construction of Buildings</li> <li>• Heavy and Civil Engineering Construction</li> <li>• Specialty Trade Contractors</li> </ul>
31	<a href="#">Manufacturing</a> <ul style="list-style-type: none"> <li>• Food Manufacturing</li> <li>• Beverage and Tobacco Product Manufacturing</li> <li>• Textile Mills</li> <li>• Textile Product Mills</li> <li>• Apparel Manufacturing</li> <li>• Leather and Allied Product Manufacturing</li> <li>• Wood Product Manufacturing</li> <li>• Paper Manufacturing</li> <li>• Printing and Related Support Activities</li> <li>• Petroleum and Coal Products Manufacturing</li> <li>• Chemical Manufacturing</li> <li>• Plastics and Rubber Products Manufacturing</li> <li>• Nonmetallic Mineral Product Manufacturing</li> <li>• Primary Metal Manufacturing</li> <li>• Fabricated Metal Product Manufacturing</li> <li>• Machinery Manufacturing</li> <li>• Computer and Electronic Product Manufacturing</li> <li>• Electrical Equipment, Appliance, and Component Manufacturing</li> <li>• Transportation Equipment Manufacturing</li> <li>• Furniture and Related Product Manufacturing</li> <li>• Miscellaneous Manufacturing</li> </ul>
42	<a href="#">Wholesale Trade</a> <ul style="list-style-type: none"> <li>• Merchant Wholesalers, Durable Goods</li> <li>• Merchant Wholesalers, Nondurable Goods</li> <li>• Wholesale Electronic Markets and Agents and Brokers</li> </ul>
44	<a href="#">Retail Trade</a> <ul style="list-style-type: none"> <li>• Motor Vehicle and Parts Dealers</li> </ul>

	<ul style="list-style-type: none"> <li>• Furniture and Home Furnishings Stores</li> <li>• Electronics and Appliance Stores</li> <li>• Building Material and Garden Equipment and Supplies Dealers</li> <li>• Food and Beverage Stores</li> <li>• Health and Personal Care Stores</li> <li>• Gasoline Stations</li> <li>• Clothing and Clothing Accessories Stores</li> <li>• Sporting Goods, Hobby, Musical Instrument, and Book Stores</li> <li>• General Merchandise Stores</li> <li>• Miscellaneous Store Retailers</li> <li>• Non-store Retailers</li> </ul>
48	<p><a href="#">Transportation and Logistics</a></p> <ul style="list-style-type: none"> <li>• Air Transportation</li> <li>• Rail Transportation</li> <li>• Water Transportation</li> <li>• Truck Transportation</li> <li>• Transit and Ground Passenger Transportation</li> <li>• Pipeline Transportation</li> <li>• Scenic and Sightseeing Transportation</li> <li>• Support Activities for Transportation</li> <li>• Postal Service</li> <li>• Couriers and Messengers</li> <li>• Warehousing and Storage</li> </ul>
51	<p><a href="#">Information</a></p> <ul style="list-style-type: none"> <li>• Publishing Industries (except Internet)</li> <li>• Motion Picture and Sound Recording Industries</li> <li>• Broadcasting (except Internet)</li> <li>• Telecommunications</li> <li>• Data Processing, Hosting, and Related Services</li> <li>• Other Information Services</li> </ul>
52	<p><a href="#">Finance and Insurance</a></p> <ul style="list-style-type: none"> <li>• Monetary Authorities-Central Bank</li> <li>• Credit Intermediation and Related Activities</li> <li>• Securities, Commodity Contracts, and Other Financial Investments and Related Activities</li> <li>• Insurance Carriers and Related Activities</li> <li>• Funds, Trusts, and Other Financial Vehicles</li> </ul>
53	<p><a href="#">Real Estate and Rental and Leasing</a></p> <ul style="list-style-type: none"> <li>• Real Estate</li> <li>• Rental and Leasing Services</li> <li>• Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)</li> </ul>
54	<p><a href="#">Professional, Scientific, and Technical Services</a></p> <ul style="list-style-type: none"> <li>• Legal Services</li> <li>• Accounting, Tax Preparation, Bookkeeping, and Payroll Services</li> <li>• Architectural, Engineering, and Related Services</li> <li>• Specialized Design Services</li> <li>• Computer Systems Design and Related Services</li> <li>• Management, Scientific, and Technical Consulting Services</li> <li>• Scientific Research and Development Services</li> <li>• Advertising and Related Services</li> <li>• Other Professional, Scientific, and Technical Services</li> </ul>

55	<a href="#">Management of Companies and Enterprises</a>
56	<a href="#">Administrative and Support and Waste Management and Remediation Services</a> <ul style="list-style-type: none"> <li>• Office Administrative Services</li> <li>• Facilities Support Services</li> <li>• Employment Services</li> <li>• Business Support Services</li> <li>• Travel Arrangement and Reservation Services</li> <li>• Investigation and Security Services</li> <li>• Services to Buildings and Dwellings</li> <li>• Other Support Services</li> <li>• Waste Collection</li> <li>• Waste Treatment and Disposal</li> <li>• Remediation and Other Waste Management Services</li> </ul>
61	<a href="#">Educational Services</a> <ul style="list-style-type: none"> <li>• Elementary and Secondary Schools</li> <li>• Junior Colleges</li> <li>• Colleges, Universities, and Professional Schools</li> <li>• Business Schools and Computer and Management Training</li> <li>• Technical and Trade Schools</li> <li>• Other Schools and Instruction</li> <li>• Educational Support Services</li> </ul>
62	<a href="#">Health Care and Social Assistance</a> <ul style="list-style-type: none"> <li>• Offices of Physicians</li> <li>• Offices of Dentists</li> <li>• Offices of Other Health Practitioners</li> <li>• Outpatient Care Centers</li> <li>• Medical and Diagnostic Laboratories</li> <li>• Home Health Care Services</li> <li>• Other Ambulatory Health Care Services</li> <li>• General Medical and Surgical Hospitals</li> <li>• Psychiatric and Substance Abuse Hospitals</li> <li>• Specialty (except Psychiatric and Substance Abuse) Hospitals</li> <li>• Nursing Care Facilities (Skilled Nursing Facilities)</li> <li>• Residential Intellectual and Developmental Disability, Mental Health, and Substance Abuse Facilities</li> <li>• Continuing Care Retirement Communities and Assisted Living Facilities for the Elderly</li> <li>• Other Residential Care Facilities</li> <li>• Individual and Family Services</li> <li>• Community Food and Housing, and Emergency and Other Relief Services</li> <li>• Vocational Rehabilitation Services</li> <li>• Child Day Care Services</li> </ul>
71	<a href="#">Arts, Entertainment, and Recreation</a> <ul style="list-style-type: none"> <li>• Performing Arts Companies</li> <li>• Spectator Sports</li> <li>• Promoters of Performing Arts, Sports, and Similar Events</li> <li>• Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures</li> <li>• Independent Artists, Writers, and Performers</li> <li>• Museums, Historical Sites, and Similar Institutions</li> <li>• Amusement Parks and Arcades</li> <li>• Gambling Industries</li> <li>• Other Amusement and Recreation Industries</li> </ul>

72	<p><u>Accommodation and Food Services (Hospitality)</u></p> <ul style="list-style-type: none"> <li>• Traveler Accommodation</li> <li>• RV (Recreational Vehicle) Parks and Recreational Camps</li> <li>• Rooming and Boarding Houses</li> <li>• Special Food Services</li> <li>• Drinking Places (Alcoholic Beverages)</li> <li>• Restaurants and Other Eating Places</li> </ul>
81	<p><u>Other Services (Personal and Repair Services)</u></p> <ul style="list-style-type: none"> <li>• Repair and Maintenance</li> <li>• Personal and Laundry Services</li> <li>• Religious, Grantmaking, Civic, Professional, and Similar Organizations</li> <li>• Private Households</li> </ul>
90	<p>Government/Public Sector</p> <ul style="list-style-type: none"> <li>• Federal Government</li> <li>• State Government</li> <li>• Local Government</li> <li>• Unclassified Industry</li> </ul>



## Glossary of Key Terms

**Jobs:** An estimate of the number of jobs in the specified year, including FT and PT jobs, as well as temporary and seasonal jobs that reflect current employment. It does not include self-employed workers.

**Job Growth (Projected):** A projection of the number of net jobs gains or losses over the specified outlook period.  $\text{New Jobs} - \text{Lost Jobs} = \text{Job Gains (or losses)}$ .

**Job Growth Rate:** A projection of the rate of job growth or decline over the specified outlook period. This is not an annual job growth rate, although you can divide the growth rate by the number of years in the outlook period to calculate an annual growth rate. However, one should exercise caution when calculating an annual growth rate because job growth and decline doesn't necessarily occur at the same rate each year throughout the outlook period.

**Location Quotient:** Industry LQ is a way of quantifying how "concentrated" an industry is in a local area or region compared to its nationwide concentration. Industry LQ helps us:

- Determine which industries make the regional economy unique;
- Identify the "export orientation" of an industry and identify the most export-oriented industries in the region;
- Identify emerging export industries beginning to bring money into the region; and
- Identify endangered export industries that could erode the region's economic base.

**Total Average Earnings:** Includes, for a specific industry, the total sum of its wages, salaries and proprietor earnings, as well as other forms of compensation, divided by the number of workers. Because it includes all forms of compensation, this is not a good measure of "average salary."

**Gross Regional Product:** GRP measures of the size of a regional economy and its individual industry sectors, whereas Gross Domestic Product is the measurement at the nationwide level. GRP is defined as the market value of all final goods and services produced or provided within a specified geographic area.

**Overall Ranking:** Gives equal value to the six employment and economic indicators described above and provides a ranked order of the industry sectors as a result.