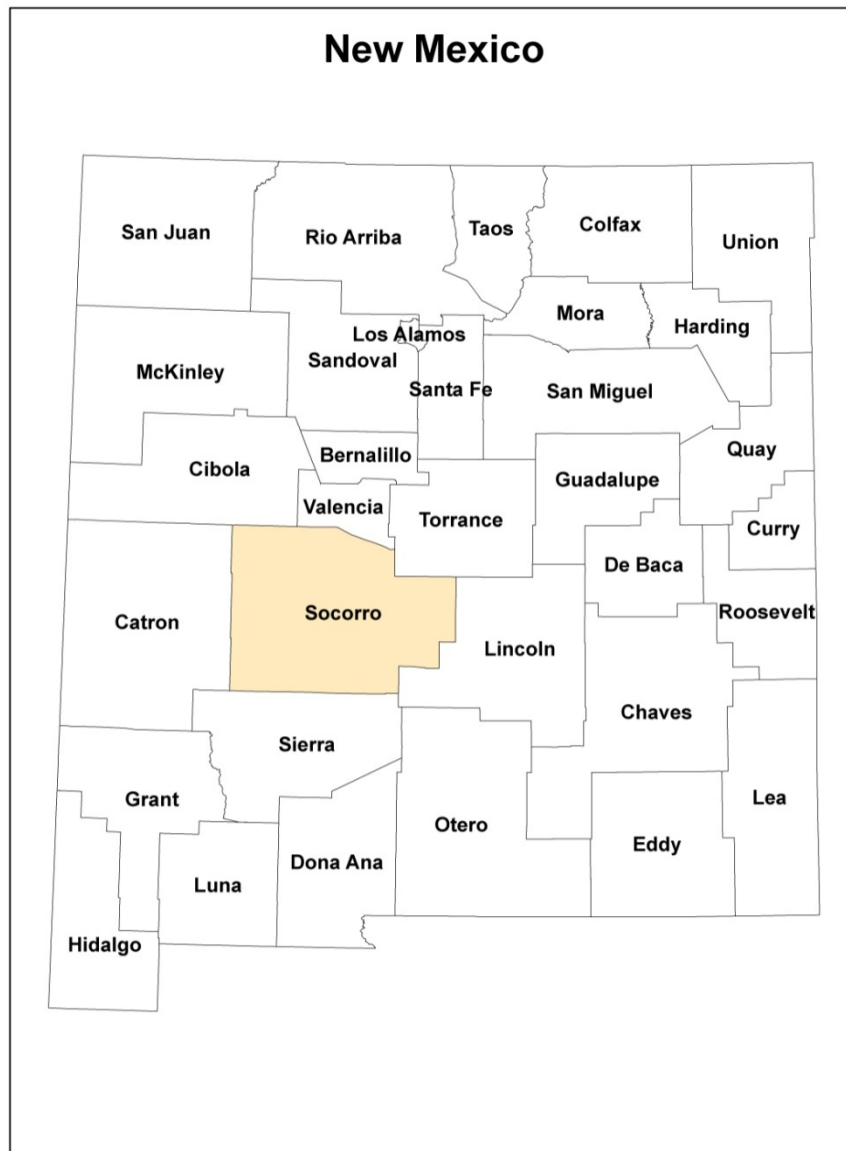




**The Economic Base of Socorro County, NM**

**PREPARED BY: The Office of Policy Analysis at Arrowhead Center,  
New Mexico State University**

**DATE: July 2019**



## The Economic Base of Socorro County, New Mexico

### Introduction

This report is one of 35 economic base studies prepared by the Office of Policy Analysis at New Mexico State University's (NMSU) Arrowhead Center. Of the 35 reports, 33 describe the economic base of New Mexico's counties. There are separate reports for the State of New Mexico and for the Albuquerque Metropolitan Statistical Area (MSA). New Mexico has three additional MSAs (Las Cruces, Santa Fe, and Farmington), all of which are single county MSAs; separate reports for these MSAs were not prepared. All 35 reports may be found at <http://arrowheadcenter.nmsu.edu/economic-and-policy-studies/>.

The reports have been prepared under the direction of James Peach. Theophilus Djaba and Erin Sumner, graduate students in the NMSU Doctorate of Economic Development program, did much of the work on the updates. Comments and suggestions are welcome and are to be sent to [jpeach@nmsu.edu](mailto:jpeach@nmsu.edu). Our intent is to update these reports on an annual basis.

An economic base study is a descriptive tool used to analyze the composition of local economic activity. Economic base studies are often conducted to help guide local economic development activities and to help economic development officials make decisions such as what type of firms they should attempt to attract to local areas. Economic base studies can also help local and regional businesses better understand local and export product markets.

The specific purposes of economic base studies include:

- Understand regional economic growth
- Make short and long term forecasts
- Identify potential growth sectors
- Identify potential problem areas

According to economic base theory, any local economy may be divided into basic and non-basic industries. This theory also suggests that economic growth depends on sectors that export goods and services out of the region (basic industries), as opposed to those businesses whose services remain local, (non-basic industries). Basic industries promote local economic growth by bringing jobs and income into the local economy. Non-basic industries serve local residents and provide support to basic industries.

An industry classified as basic in one region may be identified as non-basic in another region. One common means of identifying local basic activity is through the use of location quotients (LQs). LQs are calculated as a single industry's percent of total local employment divided by that industry's percent

of total state or national employment. For example, an LQ for a single New Mexico industry (industry j) may be calculated as follows:

$$\text{LQ} = \frac{(\text{Employment in industry j in NM} / \text{total employment in NM})}{(\text{Employment in industry j in US} / \text{total employment in US})}$$

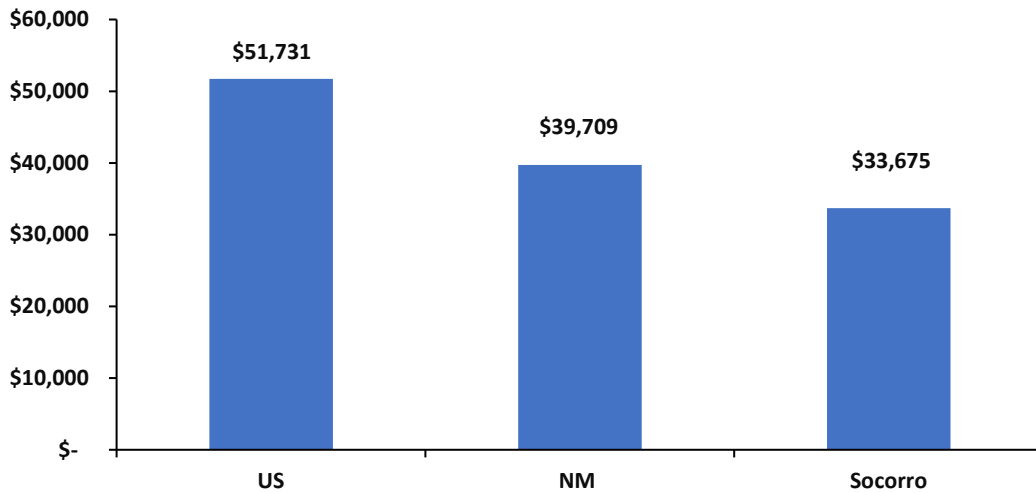
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national level. Conversely, a LQ of less than 1.0 indicates that the industry of note employs fewer workers locally as compared to the state or national average. For additional information on LQs, see <http://arrowheadcenter.nmsu.edu/wp-content/uploads/2015/06/WhatisaLocationQuotient.pdf>.

In this report, LQs are calculated for industries within Socorro County with the national employment as the basis for comparison (see Table 1). Additionally, LQs using employment for the state of New Mexico as benchmark are included (see Table 2). In this report, basic industries are identified using general knowledge about the structure of the local economy combined with LQs greater than 1.0. LQs are described for the most recent year for which data were available and for the four preceding years (2013-2017). The data used in this report are from the U.S. Department of Commerce, Bureau of Economic Analysis (BEA) which can be found at [www.bea.gov](http://www.bea.gov).

### **Socorro County, New Mexico**

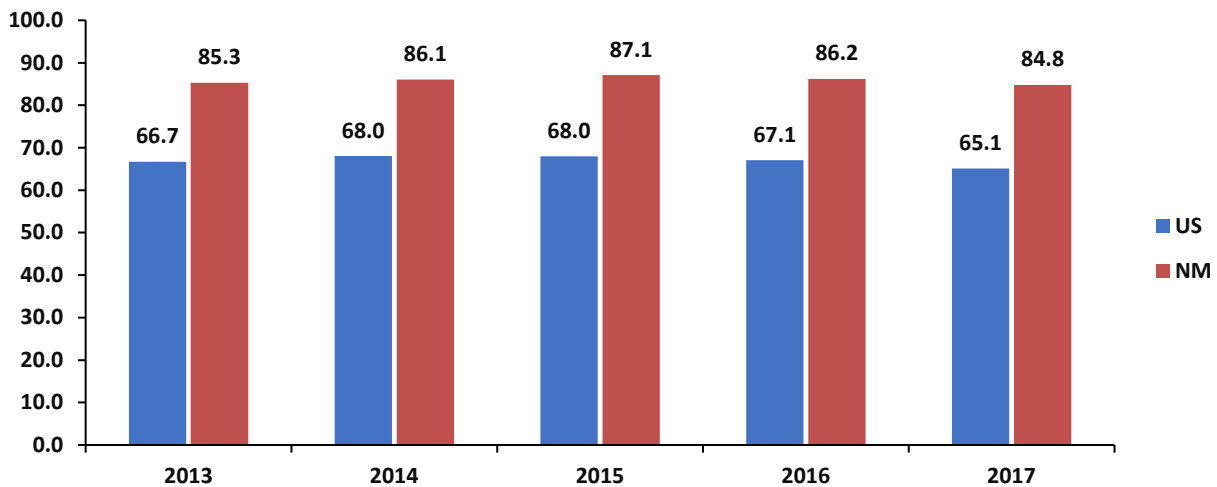
Socorro County is located in western central New Mexico and contains 6,646.68 square miles, or 5.48 percent of the land area in New Mexico. Socorro County's population in 2017 was 16,798 or 0.80 percent of the state total, and ranked 22<sup>nd</sup> among New Mexico's counties. The city of Socorro, with a population of 8,440 in 2017, contained 50.24 percent of Socorro County's population. Between 2013 and 2017, Socorro County's population decreased 3.89 percent, while New Mexico's population increased 0.03 percent and the nation's population increased by 2.88 percent.

**Figure 1. Per Capita Personal Income: Socorro County (2017)**



Socorro County’s per capita personal income was \$33,675 and ranked 24<sup>th</sup> in the state in 2017 (See Figure 1). Socorro County’s 2017 per capita income was 84.80 percent of the corresponding state figure (\$39,709), and 65.10 percent of the national average (\$51,731) (See Figure 2). Between 2013 and 2017, per capita income growth rate of Socorro County increased by 12.56 percent compared to the state and national growth of 13.21 percent and 15.34 percent respectively.

**Figure 2. Per Capita Personal Income of Socorro County as a Percent of U.S. and New Mexico 2013-2017**



Total employment in Socorro County was 7,853 in 2017. Total employment in Socorro County decreased 1.46 percent between 2013 and 2017, while the state saw an increase in employment of 2.08 percent and the nation’s employment rate increased by 7.57 percent during the same period. The Socorro County employment to population ratio was 0.47, while New Mexico’s 2017 employment to population ratio was 0.52 and the nation’s ratio was 0.60.

Data on employment by industry for Socorro County is very limited, as the BEA does not disclose certain data for industries with few competing businesses due to confidentiality requirements. Also, those industries with fewer than 10 total employees are not disclosed either. For both of these cases, however, industry data are included in annual countywide totals.

The Private sector employed 55.67 percent of all workers in Socorro County in 2017, while Government and government enterprises accounted for 33.89 percent, and Farm employment accounted for 10.44 percent of total employment in the county. The industries with the highest percentage of total employment included: Retail trade (7.81), Accommodation and food services (8.54) and Professional and technical services (5.60). State and Local government were the largest employers in the public sector, at 18.36 percent and 12.76 percent of total employment, respectively; while Federal/civilian and Military employment accounted for 2.23 percent and 0.53 percent of the total, respectively. Socorro County employment by sector is displayed in Table 1.

### **Basic and Non-Basic Industries in Socorro County, New Mexico**

Table 1 contains LQs for Socorro County from 2013 to 2017 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Socorro County from 2013 to 2017 calculated with respect to the state of New Mexico. In this analysis, a basic industry is defined as an industry with an LQ greater than 1.0 with respect to the U.S. employment. The sectors with an LQ greater than 1.0 have been shaded.

The importance of Agriculture to the economic base of Socorro County is reflected in the high LQ in Farm Employment. The LQ for Farm employment was 7.78 in 2017, and has been greater than 7.20 in all five years considered.

The entry labeled government and government enterprises is not a separate industry, but merely the aggregate of the other government categories. Federal civilian employment, State government, and Local government all had LQs greater than 1.0 in 2017. The large LQ for Federal civilian employment (1.53) reflects the employment base of the Bosque del Apache National Wildlife Refuge, located outside of the City of Socorro and administered by the U.S. Fish and Wildlife Service. State government has a high LQ (6.71) due to the economic base of New Mexico Institute of Mining and Technology, also located in Socorro. Though local government also has an LQ of 1.76, local government is generally categorized as non-basic given that all local governments collect taxes from residents to provide for the services to the community, including employment. Following this practice, local government for San Miguel County will be considered as a non-basic industry. Additionally,

Accommodation and food services had an LQ of 1.14 in 2017 but it is best viewed as a support or non-basic industry in Socorro County.

The data and analysis suggest that the following industries should be considered basic industries in Socorro County:

1. Agriculture and related industries, accounted for 820 total jobs.
2. Federal civilian employment, accounted for 175 total jobs.
3. State government employment, accounted for 1,442 total jobs.

It is common in economic base studies to calculate what is known as an export-base multiplier. This multiplier is obtained by dividing total employment by basic sector employment. In the case of Socorro County, the multiplier is 3.22 ( $7,853 / 2,437$ ). This ratio suggests that the addition of each basic sector job in Socorro County would be associated with an additional 3.22 non-basic sector jobs. The export base multiplier (3.22) calculated above reinforces the importance of basic (exporting) industries to the Socorro County economy. In general terms, this employment multiplier is not to be compared to employment multipliers included in economic impact analysis tools including RIMS, REMI, and IMPLAN. In the case of Socorro County, potential double counting occupation may result in an upward bias of the multiplier given that farm proprietors often have more than one occupation.

Local economic development policy actions such as the creation of industrial parks, tax abatement and financing, and workforce development projects are often used by local communities to expand an area's economic base. The appropriate mix of such policies is often a result of public and private sector interaction in the context of the development of a community economic development plan.

### **Summary of Changes from Prior Year**

This document has been revised to reflect data figures obtained from the BEA for the economic data and the U.S. Census for population data. Socorro County's population in 2017 was 16,798, a 0.72 percent decrease from 16,919 in 2016. Socorro County's per capita personal income increased 0.66 percent, from \$33,455 in 2016 to \$33,675 in 2017.

**Tables 1 to 10 appear on pages 6-15**

<b>Table 1: Location Quotients for Socorro County (US Base) 2013-2017</b>					
<b>US Base</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	0.98	0.98	0.99	1.00	0.99
Proprietors employment	1.07	1.07	1.03	1.01	1.05
Farm proprietors employment	7.46	7.79	7.98	7.96	8.33
Nonfarm proprietors employment	0.76	0.76	0.72	0.71	0.74
<b>By industry</b>					
Farm employment	7.21	7.24	7.55	7.75	7.78
Nonfarm employment	0.91	0.91	0.91	0.91	0.91
Private nonfarm employment	0.65	0.65	0.64	0.65	0.65
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	N/A	N/A	N/A	N/A	N/A
Construction	0.46	0.41	0.40	0.42	0.35
Manufacturing	0.31	0.34	0.35	0.36	0.39
Wholesale trade	N/A	N/A	N/A	N/A	N/A
Retail trade	0.79	0.81	0.78	0.81	0.80
Transportation and warehousing	0.38	0.38	0.36	0.32	0.31
Information	0.24	0.24	0.19	0.18	0.18
Finance and insurance	0.43	0.25	0.25	0.27	0.28
Real estate and rental and leasing	0.42	0.37	0.37	0.37	0.38
Professional, scientific, and technical services	0.82	0.83	0.81	0.79	0.80
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	N/A	N/A	N/A	N/A	N/A
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	N/A	N/A	N/A	N/A	N/A
Arts, entertainment, and recreation	N/A	N/A	0.47	0.48	0.49
Accommodation and food services	N/A	N/A	1.16	1.15	1.14
Other services, except public administration	0.67	0.68	0.67	0.65	0.68
Government and government enterprises	2.60	2.65	2.69	2.69	2.72
Federal, civilian	1.57	1.63	1.53	1.54	1.53
Military	0.53	0.52	0.54	0.59	0.54
State and local	2.97	3.02	3.08	3.07	3.11
State government	6.21	6.40	6.59	6.55	6.71
Local government	1.73	1.73	1.74	1.75	1.76
<b>Total employment</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculation





<b>Table 2: Location Quotients for Socorro County (NM Base) 2013-2017</b>					
<b>NM Based</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	0.97	0.97	0.98	0.98	0.97
Proprietors employment	1.11	1.12	1.09	1.08	1.10
Farm proprietors employment	3.79	3.89	3.92	3.85	3.95
Nonfarm proprietors employment	0.83	0.84	0.80	0.80	0.82
<b>By industry</b>					
Farm employment	3.85	3.94	3.97	3.90	4.00
Nonfarm employment	0.92	0.92	0.92	0.92	0.92
Private nonfarm employment	0.71	0.71	0.71	0.71	0.71
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	N/A	N/A	N/A	N/A	N/A
Construction	0.42	0.39	0.38	0.41	0.34
Manufacturing	0.66	0.75	0.77	0.81	0.87
Wholesale trade	N/A	N/A	N/A	N/A	N/A
Retail trade	0.76	0.77	0.75	0.78	0.77
Transportation and warehousing	0.53	0.53	0.53	0.50	0.49
Information	0.29	0.30	0.23	0.21	0.23
Finance and insurance	0.71	0.41	0.41	0.44	0.45
Real estate and rental and leasing	0.52	0.46	0.47	0.47	0.48
Professional, scientific, and technical services	0.80	0.82	0.80	0.78	0.77
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	N/A	N/A	N/A	N/A	N/A
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	N/A	N/A	N/A	N/A	N/A
Arts, entertainment, and recreation	N/A	N/A	0.47	0.49	0.49
Accommodation and food services	N/A	N/A	1.03	1.01	1.01
Other services, except public administration	0.77	0.78	0.76	0.74	0.76
Government and government enterprises	1.75	1.77	1.79	1.77	1.80
Federal, civilian	0.86	0.90	0.85	0.84	0.84
Military	0.35	0.34	0.36	0.37	0.34
State and local	2.07	2.08	2.11	2.09	2.14
State government	3.37	3.38	3.43	3.37	3.50
Local government	1.36	1.35	1.35	1.36	1.37
<b>Total employment</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculation

<b>Table 3: Socorro County Total Employment by Industry 2017</b>		
	<b>Total Jobs</b>	<b>Percent of Total Employment</b>
<b>By type</b>		
Wage and salary employment	5,996	76.35
Proprietors employment	1,857	23.65
Farm proprietors employment	604	7.69
Nonfarm proprietors employment	1,253	15.96
<b>By industry</b>		
Farm employment	820	10.44
Nonfarm employment	7,033	89.56
Private nonfarm employment	4,372	55.67
Forestry, fishing, and related activities	(D)	N/A
Mining	(D)	N/A
Utilities	(D)	N/A
Construction	151	1.92
Manufacturing	207	2.64
Wholesale trade	(D)	N/A
Retail trade	613	7.81
Transportation and warehousing	94	1.20
Information	25	0.32
Finance and insurance	119	1.52
Real estate and rental and leasing	139	1.77
Professional, scientific, and technical services	440	5.60
Management of companies and enterprises	(D)	N/A
Administrative and waste management services	(D)	N/A
Educational services	(D)	N/A
Health care and social assistance	(D)	N/A
Arts, entertainment, and recreation	87	1.11
Accommodation and food services	671	8.54
Other services, except public administration	302	3.85
Government and government enterprises	2,661	33.89
Federal, civilian	175	2.23
Military	42	0.53
State and local	2,444	31.12
State government	1,442	18.36
Local government	1,002	12.76
<b>Total employment</b>	<b>7,853</b>	<b>100.00</b>

*Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculation*

<b>Table 4: Socorro County Employment by Industry 2013-2017</b>					
<b>Number of jobs by industry</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	6084	5952	6039	6186	5996
Proprietors employment	1885	1872	1823	1827	1857
Farm proprietors employment	605	603	604	601	604
Nonfarm proprietors employment 2/	1280	1269	1219	1226	1253
<b>By industry</b>					
Farm employment	833	805	826	849	820
Nonfarm employment	7136	7019	7036	7164	7033
Private nonfarm employment	4405	4340	4349	4454	4372
Forestry, fishing, and related activities	(D)	(D)	(D)	(D)	(D)
Mining	(D)	(D)	(D)	(D)	(D)
Utilities	(D)	(D)	(D)	(D)	(D)
Construction	185	166	162	180	151
Manufacturing	174	185	190	196	207
Wholesale trade	(D)	(D)	(D)	(D)	(D)
Retail trade	636	633	617	647	613
Transportation and warehousing	101	99	103	97	94
Information	34	34	26	25	25
Finance and insurance	183	102	102	115	119
Real estate and rental and leasing	147	130	134	136	139
Professional, scientific, and technical services	450	448	446	443	440
Management of companies and enterprises	(D)	(D)	(D)	(D)	(D)
Administrative and waste management services	(D)	(D)	(D)	(D)	(D)
Educational services	(D)	(D)	(D)	(D)	(D)
Health care and social assistance	(D)	(D)	(D)	(D)	(D)
Arts, entertainment, and recreation	(D)	(D)	82	86	87
Accommodation and food services	(D)	(D)	671	688	671
Other services, except public administration	310	310	307	301	302
Government and government enterprises	2731	2679	2687	2710	2661
Federal, civilian	194	191	178	182	175
Military	47	43	44	47	42
State and local	2490	2445	2465	2481	2444
State government	1441	1432	1456	1453	1442
Local government	1049	1013	1009	1028	1002
<b>Total employment</b>	<b>7969</b>	<b>7824</b>	<b>7862</b>	<b>8013</b>	<b>7853</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N

<b>Table 5: New Mexico Employment by Industry 2013-2017</b>					
<b>Number of jobs by industry</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	846495	852348	860023	861222	862272
Proprietors employment	228970	231044	231850	231184	235600
Farm proprietors employment	21547	21473	21405	21291	21372
Nonfarm proprietors employment	207423	209571	210445	209893	214228
<b>By industry</b>					
Farm employment	29208	28262	28866	29641	28633
Nonfarm employment	1046257	1055130	1063007	1062765	1069239
Private nonfarm employment	835402	845778	854438	854243	862954
Forestry, fishing, and related activities	5235	5675	5540	5819	5658
Mining	36857	38222	36655	31808	33725
Utilities	4652	4591	4684	4900	5099
Construction	59142	59584	59709	60012	62633
Manufacturing	35463	34022	34158	33188	33239
Wholesale trade	26688	28856	28502	25379	24946
Retail trade	112726	113923	114888	113636	111443
Transportation and warehousing	25502	25903	27243	26672	27060
Information	16059	15725	15588	16001	15339
Finance and insurance	35010	34783	34461	35684	36737
Real estate and rental and leasing	38414	39111	39660	39866	40634
Professional, scientific, and technical services	75919	76116	77542	77751	79601
Management of companies and enterprises	5502	5631	5877	6337	6449
Administrative and waste management services	54597	54370	52998	53887	55307
Educational services	16426	16736	16965	17026	17020
Health care and social assistance	123737	124796	129720	134269	134712
Arts, entertainment, and recreation	23734	24225	24245	24151	24831
Accommodation and food services	85494	88296	90192	92521	93037
Other services, except public administration	54245	55213	55811	55336	55484
Government and government enterprises	210855	209352	208569	208522	206285
Federal, civilian	30400	29452	29188	29385	29288
Military	18350	17518	16923	17159	17348
State and local	162105	162382	162458	161978	159649
State government	57772	58752	58962	58703	57617
Local government	104333	103630	103496	103275	102032
<b>Total employment</b>	<b>1075465</b>	<b>1083392</b>	<b>1091873</b>	<b>1092406</b>	<b>1097872</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N

<b>Table 6: United States Employment by Industry 2012-2017</b>					
<b>Number of jobs by industry</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	141,932,000.00	144,722,000.00	147,635,000.00	149,904,000.00	151,825,000.00
Proprietors employment	40,393,100.00	41,513,800.00	42,682,800.00	43,464,900.00	44,307,200.00
Farm proprietors employment	1,856,000.00	1,842,000.00	1,832,000.00	1,823,000.00	1,812,000.00
Nonfarm proprietors employment	38,537,100.00	39,671,800.00	40,850,800.00	41,641,900.00	42,495,200.00
<b>By industry</b>					
Farm employment	2,645,000.00	2,645,000.00	2,649,000.00	2,643,000.00	2,631,000.00
Nonfarm employment	179,680,100.00	183,590,800.00	187,668,800.00	190,725,900.00	193,501,200.00
Private nonfarm employment	155,625,100.00	159,536,800.00	163,523,800.00	166,427,900.00	169,096,200.00
Forestry, fishing, and related activities	909,100.00	941,000.00	915,900.00	935,200.00	926,400.00
Mining	1,607,000.00	1,597,500.00	1,553,300.00	1,452,200.00	1,511,100.00
Utilities	578,300.00	580,600.00	597,400.00	622,000.00	663,500.00
Construction	9,237,800.00	9,564,300.00	9,844,900.00	10,322,100.00	10,634,600.00
Manufacturing	12,761,200.00	12,908,600.00	13,076,600.00	13,131,900.00	13,304,800.00
Wholesale trade	6,343,100.00	6,720,600.00	6,819,100.00	6,464,400.00	6,478,900.00
Retail trade	18,369,100.00	18,713,100.00	19,095,300.00	19,199,500.00	19,222,200.00
Transportation and warehousing	6,012,800.00	6,282,400.00	6,929,700.00	7,413,200.00	7,663,800.00
Information	3,264,600.00	3,327,000.00	3,316,400.00	3,384,900.00	3,384,400.00
Finance and insurance	9,815,300.00	9,621,000.00	9,844,600.00	10,187,400.00	10,510,200.00
Real estate and rental and leasing	8,056,800.00	8,405,800.00	8,668,300.00	8,868,200.00	9,105,900.00
Professional, scientific, and technical services	12,544,300.00	12,864,700.00	13,333,200.00	13,496,900.00	13,721,000.00
Management of companies and enterprises	2,265,000.00	2,360,300.00	2,425,500.00	2,603,800.00	2,667,400.00
Administrative and waste management services	11,366,900.00	11,719,200.00	11,770,600.00	12,033,600.00	12,088,500.00
Educational services	4,339,100.00	4,498,100.00	4,610,900.00	4,641,800.00	4,691,200.00
Health care and social assistance	20,499,200.00	20,798,400.00	21,351,100.00	21,817,100.00	22,201,200.00
Arts, entertainment, and recreation	4,043,800.00	4,223,300.00	4,220,100.00	4,363,100.00	4,455,500.00
Accommodation and food services	13,099,200.00	13,548,900.00	13,977,700.00	14,399,000.00	14,697,400.00
Other services, except public administration	10,512,500.00	10,862,000.00	11,173,200.00	11,091,600.00	11,168,200.00
Government and government enterprises	24,055,000.00	24,054,000.00	24,145,000.00	24,298,000.00	24,405,000.00
Federal, civilian	2,826,000.00	2,792,000.00	2,810,000.00	2,847,000.00	2,857,000.00
Military	2,032,000.00	1,975,000.00	1,956,000.00	1,927,000.00	1,929,000.00
State and local	19,197,000.00	19,287,000.00	19,379,000.00	19,524,000.00	19,619,000.00
State government	5,306,000.00	5,330,000.00	5,349,000.00	5,351,000.00	5,365,000.00
Local government	13,891,000.00	13,957,000.00	14,030,000.00	14,173,000.00	14,254,000.00
<b>Total employment</b>	<b>182,325,100.00</b>	<b>186,235,800.00</b>	<b>190,317,800.00</b>	<b>193,368,900.00</b>	<b>196,132,200.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N

<b>Table 7: Socorro County, New Mexico and United States Percent of Employment by Industry 2017</b>			
	<b>United States</b>	<b>New Mexico</b>	<b>Socorro County</b>
<b>By type</b>			
Wage and salary employment	77.41	78.54	76.35
Proprietors employment	22.59	21.46	23.65
Farm proprietors employment	0.92	1.95	7.69
Nonfarm proprietors employment	21.67	19.51	15.96
<b>By industry</b>			
Farm employment	1.34	2.61	10.44
Nonfarm employment	98.66	97.39	89.56
Private nonfarm employment	86.22	78.60	55.67
Forestry, fishing, and related activities	0.47	0.52	N/A
Mining	0.77	3.07	N/A
Utilities	0.34	0.46	N/A
Construction	5.42	5.70	1.92
Manufacturing	6.78	3.03	2.64
Wholesale trade	3.30	2.27	N/A
Retail trade	9.80	10.15	7.81
Transportation and warehousing	3.91	2.46	1.20
Information	1.73	1.40	0.32
Finance and insurance	5.36	3.35	1.52
Real estate and rental and leasing	4.64	3.70	1.77
Professional, scientific, and technical services	7.00	7.25	5.60
Management of companies and enterprises	1.36	0.59	N/A
Administrative and waste management services	6.16	5.04	N/A
Educational services	2.39	1.55	N/A
Health care and social assistance	11.32	12.27	N/A
Arts, entertainment, and recreation	2.27	2.26	1.11
Accommodation and food services	7.49	8.47	8.54
Other services, except public administration	5.69	5.05	3.85
Government and government enterprises	12.44	18.79	33.89
Federal, civilian	1.46	2.67	2.23
Military	0.98	1.58	0.53
State and local	10.00	14.54	31.12
State government	2.74	5.25	18.36
Local government	7.27	9.29	12.76
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculation

<b>Table 8: Socorro County Percent of Employment by Sectors 2013-2017</b>					
<b>Description</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	76.35	76.07	76.81	77.20	76.35
Proprietors employment	23.65	23.93	23.19	22.80	23.65
Farm proprietors employment	7.59	7.71	7.68	7.50	7.69
Nonfarm proprietors employment	16.06	16.22	15.50	15.30	15.96
<b>By industry</b>					
Farm employment	10.45	10.29	10.51	10.60	10.44
Nonfarm employment	89.55	89.71	89.49	89.40	89.56
Private nonfarm employment	55.28	55.47	55.32	55.58	55.67
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	N/A	N/A	N/A	N/A	N/A
Construction	2.32	2.12	2.06	2.25	1.92
Manufacturing	2.18	2.36	2.42	2.45	2.64
Wholesale trade	N/A	N/A	N/A	N/A	N/A
Retail trade	7.98	8.09	7.85	8.07	7.81
Transportation and warehousing	1.27	1.27	1.31	1.21	1.20
Information	0.43	0.43	0.33	0.31	0.32
Finance and insurance	2.30	1.30	1.30	1.44	1.52
Real estate and rental and leasing	1.84	1.66	1.70	1.70	1.77
Professional, scientific, and technical services	5.65	5.73	5.67	5.53	5.60
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	N/A	N/A	N/A	N/A	N/A
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	N/A	N/A	N/A	N/A	N/A
Arts, entertainment, and recreation	N/A	N/A	1.04	1.07	1.11
Accommodation and food services	N/A	N/A	8.53	8.59	8.54
Other services, except public administration	3.89	3.96	3.90	3.76	3.85
Government and government enterprises	34.27	34.24	34.18	33.82	33.89
Federal, civilian	2.43	2.44	2.26	2.27	2.23
Military	0.59	0.55	0.56	0.59	0.53
State and local	31.25	31.25	31.35	30.96	31.12
State government	18.08	18.30	18.52	18.13	18.36
Local government	13.16	12.95	12.83	12.83	12.76
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculation

<b>Table 9: New Mexico Percent of Employment by Industry 2013-2017</b>					
<b>Description</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	78.71	78.67	78.77	78.84	78.54
Proprietors employment	21.29	21.33	21.23	21.16	21.46
Farm proprietors employment	2.00	1.98	1.96	1.95	1.95
Nonfarm proprietors employment	19.29	19.34	19.27	19.21	19.51
<b>By industry</b>					
Farm employment	2.72	2.61	2.64	2.71	2.61
Nonfarm employment	97.28	97.39	97.36	97.29	97.39
Private nonfarm employment	77.68	78.07	78.25	78.20	78.60
Forestry, fishing, and related activities	0.49	0.52	0.51	0.53	0.52
Mining	3.43	3.53	3.36	2.91	3.07
Utilities	0.43	0.42	0.43	0.45	0.46
Construction	5.50	5.50	5.47	5.49	5.70
Manufacturing	3.30	3.14	3.13	3.04	3.03
Wholesale trade	2.48	2.66	2.61	2.32	2.27
Retail trade	10.48	10.52	10.52	10.40	10.15
Transportation and warehousing	2.37	2.39	2.50	2.44	2.46
Information	1.49	1.45	1.43	1.46	1.40
Finance and insurance	3.26	3.21	3.16	3.27	3.35
Real estate and rental and leasing	3.57	3.61	3.63	3.65	3.70
Professional, scientific, and technical services	7.06	7.03	7.10	7.12	7.25
Management of companies and enterprises	0.51	0.52	0.54	0.58	0.59
Administrative and waste management services	5.08	5.02	4.85	4.93	5.04
Educational services	1.53	1.54	1.55	1.56	1.55
Health care and social assistance	11.51	11.52	11.88	12.29	12.27
Arts, entertainment, and recreation	2.21	2.24	2.22	2.21	2.26
Accommodation and food services	7.95	8.15	8.26	8.47	8.47
Other services, except public administration	5.04	5.10	5.11	5.07	5.05
Government and government enterprises	19.61	19.32	19.10	19.09	18.79
Federal, civilian	2.83	2.72	2.67	2.69	2.67
Military	1.71	1.62	1.55	1.57	1.58
State and local	15.07	14.99	14.88	14.83	14.54
State government	5.37	5.42	5.40	5.37	5.25
Local government	9.70	9.57	9.48	9.45	9.29
<b>Total employment</b>	100.0 0	100.0 0	100.0 0	100.0 0	100.0 0

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculations



<b>Table 10: United States Percent of Employment by Industry 2013-2017</b>					
<b>Description</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	77.85	77.71	77.57	77.52	77.41
Proprietors employment	22.15	22.29	22.43	22.48	22.59
Farm proprietors employment	1.02	0.99	0.96	0.94	0.92
Nonfarm proprietors employment	21.14	21.30	21.46	21.53	21.67
<b>By industry</b>					
Farm employment	1.45	1.42	1.39	1.37	1.34
Nonfarm employment	98.55	98.58	98.61	98.63	98.66
Private nonfarm employment	85.36	85.66	85.92	86.07	86.22
Forestry, fishing, and related activities	0.50	0.51	0.48	0.48	0.47
Mining	0.88	0.86	0.82	0.75	0.77
Utilities	0.32	0.31	0.31	0.32	0.34
Construction	5.07	5.14	5.17	5.34	5.42
Manufacturing	7.00	6.93	6.87	6.79	6.78
Wholesale trade	3.48	3.61	3.58	3.34	3.30
Retail trade	10.07	10.05	10.03	9.93	9.80
Transportation and warehousing	3.30	3.37	3.64	3.83	3.91
Information	1.79	1.79	1.74	1.75	1.73
Finance and insurance	5.38	5.17	5.17	5.27	5.36
Real estate and rental and leasing	4.42	4.51	4.55	4.59	4.64
Professional, scientific, and technical services	6.88	6.91	7.01	6.98	7.00
Management of companies and enterprises	1.24	1.27	1.27	1.35	1.36
Administrative and waste management services	6.23	6.29	6.18	6.22	6.16
Educational services	2.38	2.42	2.42	2.40	2.39
Health care and social assistance	11.24	11.17	11.22	11.28	11.32
Arts, entertainment, and recreation	2.22	2.27	2.22	2.26	2.27
Accommodation and food services	7.18	7.28	7.34	7.45	7.49
Other services, except public administration	5.77	5.83	5.87	5.74	5.69
Government and government enterprises	13.19	12.92	12.69	12.57	12.44
Federal, civilian	1.55	1.50	1.48	1.47	1.46
Military	1.11	1.06	1.03	1.00	0.98
State and local	10.53	10.36	10.18	10.10	10.00
State government	2.91	2.86	2.81	2.77	2.74
Local government	7.62	7.49	7.37	7.33	7.27
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CAEMP25N and author's calculation