



**The Economic Base of the Albuquerque, NM, Metropolitan Statistical Area**

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

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### Introduction

This report is one of 35 economic base studies prepared by the 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. Erin Sumner and Theophilus Djaba, 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, a LQ for a single New Mexico industry (industry j) may be calculated as follows:

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

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 Bernalillo County with national employment as 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 economic 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).

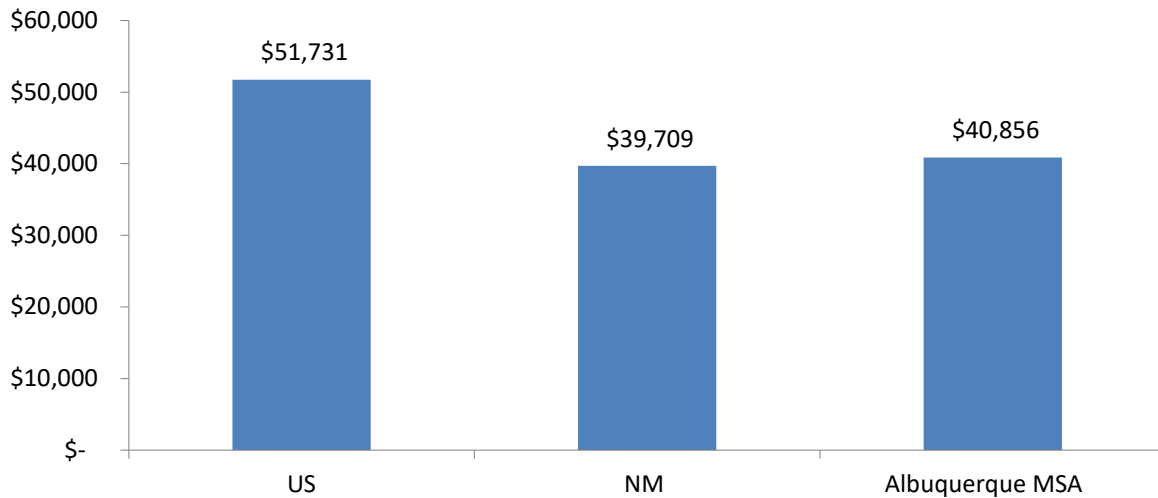
### **The Albuquerque, New Mexico, MSA**

The Albuquerque MSA is located in central New Mexico and consists of Bernalillo, Torrance, Sandoval, and Valencia counties. The four counties combined encompass 9,283 square miles, or 7.66 percent of the land area of New Mexico. The population of the Albuquerque MSA in 2017 was 910,726 or 43.5 percent of the New Mexico's total population. The population of the city of Albuquerque, estimated by the U.S. Census Bureau, was 556,718 in 2017 as well as contained 61.12 percent of the Albuquerque MSA's population. The City of Albuquerque, the most populated city in the state, contained 26.59 percent of the state's population in 2017. Between 2013 and 2017, the Albuquerque MSA's population increased by .96 percent, while New Mexico's population increased by .03 percent and the nation's population increased by 2.88 percent.

Per capita personal income in the Albuquerque MSA in 2017 was \$40,856 (See Figure 1). The growth of per capita personal income in the Albuquerque MSA between 2013 and 2017 was 15.2

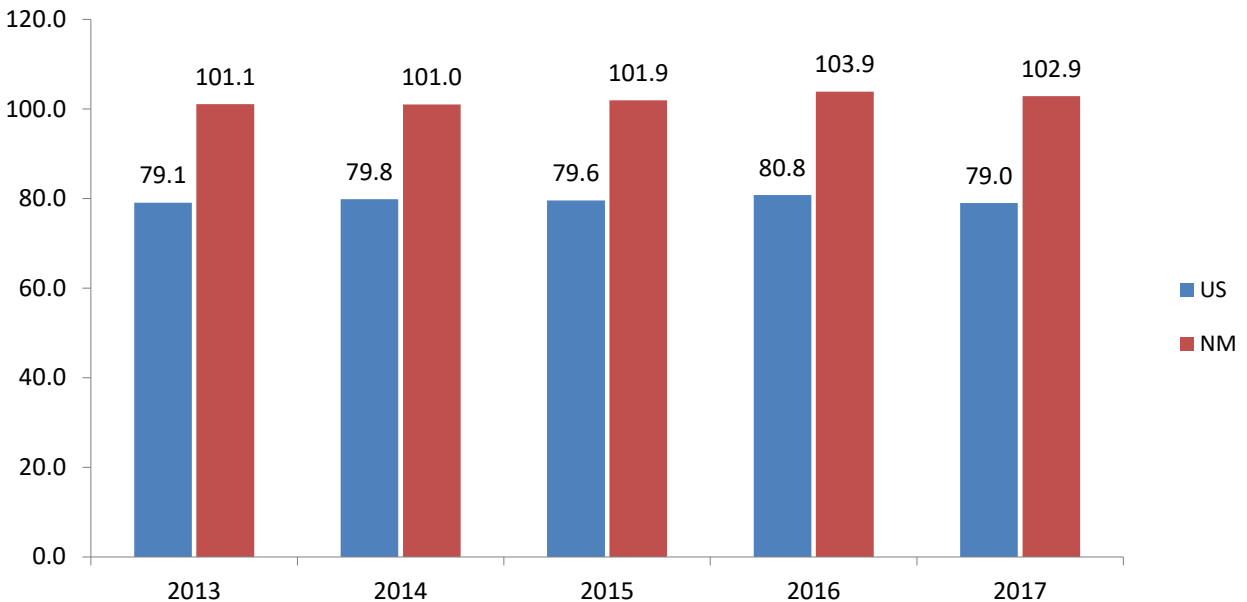
percent, higher than the growth in per capita personal income in New Mexico (13.21 percent) and lower than the nation (15.34 percent).

**Figure 1. Per Capita Personal Income: Albuquerque MSA (2017)**



Albuquerque MSA’s per capita income was 102.89 percent of the corresponding state figure (\$39,709), and 78.98 percent of the national average (\$51,731) (See Figure 2).

**Figure 2: Per Capita Income of Albuquerque MSA as a Percent of U.S. and New Mexico 2013-2017**



Total employment in the Albuquerque MSA in 2017 was 501,552. Total employment in the Albuquerque MSA increased by 4.67 percent between 2013 and 2017—a rate of growth higher than that

of the state which experienced an increase of 2.08 percent but lower than the nation, which experienced an increase of 7.57 percent. The Albuquerque MSA employment to population ratio was 0.55 in 2017, while New Mexico's employment to population ratio was 0.52 and the nation's ratio was 0.60.

The private sector employed 81.67 percent of all workers in the Albuquerque MSA in 2017, while government and government enterprises accounted for 17.47 percent, and farm employment accounted for 0.85 percent of the total. The industries with the highest percentages of total employment included: Retail trade (10.00 percent of total employment), and Construction (6.05 percent). State and Local government were the largest employers in the public sector, at 5.50 percent and 7.94 percent of total employment, respectively. Compared to Federal/civilian and military employment accounted for 2.90 percent and 1.14 percent of the total, respectively. Albuquerque MSA employment by sector is displayed in Table 1.

### **Basic and Non-Basic Industries in the Albuquerque MSA**

Table 2 contains Location Quotients for the Albuquerque MSA from 2013 to 2017, calculated using data for the United States as the basis of comparison. An LQ greater than 1.0 qualifies an industry for consideration as a basic industry. Industries with LQs very near to 1.0 as well as industries such as local government and construction that typically support the local economy rather than export goods and services outside the region are not included here as basic industries.

The importance of information services to the economic base of the Albuquerque MSA is obvious in Table 2, in which those sectors with an LQ greater than 1 have been shaded. The Information sector should be considered a basic economic industry in the Albuquerque MSA, with its LQ of 1.14 in 2017, with LQs greater than 1.10 in all previous years. This LQ is largely due to the employment base of Intel Corporation, located in Rio Rancho, a large technological manufacturing and innovation firm which employs many information workers.

The construction services sector and retail trade sectors both also had LQs greater than 1.0 with LQs of 1.12 and 1.02, respectively. Nevertheless, these industries in the Albuquerque MSA are probably best viewed as non-basic or support industries.

The entry labeled government and government enterprises is not a separate industry but merely the sum of the other government categories. In 2017, all of the government sector's LQs were substantially greater than 1.0. In 2017, military and federal/civilian employment had LQs of 1.16 and 1.99, respectively, and both are considered basic industries for Albuquerque MSA. These LQs partly

reflect the level of employment base of Kirtland Air Force base, located in southeastern Albuquerque. Sandia National Laboratories, National Security Initiatives, and Federally Funded Research and Development Center (FFRDC) also contribute to federal/civilian employment.

State government employment had an LQ of 2.01 in 2017 and LQs exceeding 1.80 in all years considered, due to the large employment base of the University of New Mexico, located in downtown Albuquerque, which exports research and educational services, as well as the Central New Mexico Correctional Facility (CNMCF) in Los Lunas, one of the largest local employers in Valencia County. Hence, state government is considered a basic economic sector in the Albuquerque MSA as well.

Local government is generally categorized as non-basic given that local governments collect taxes from residents to provide for the services to the community, including employment. Following this practice, local government for the Albuquerque MSA will be considered a non-basic industry.

In brief, the data and analysis suggest that the following industries should be considered basic industries in the Albuquerque MSA:

1. Information, accounted for 9,837 jobs.
2. Federal government employment, including 14,539 federal/civilian jobs and 5,707 military jobs and, accounted for a total of 20,246 jobs.
3. State government employment, accounted for 27,591 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 the Albuquerque MSA, the multiplier is 8.70 (501,552/57,674). This ratio suggests that the addition of each basic sector job in the Albuquerque MSA would be associated with an additional 8.70 non-basic sector jobs. Caution in the interpretation of this multiplier is appropriate, as this ratio may or may not apply in future years.

The export base multiplier (8.70) calculated above reinforces the importance of basic (exporting) industries to the Albuquerque MSA economy. 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.

### **Changes from Prior Year**

This document has been revised to reflect 2017 data. The Bureau of Economic Analysis ([www.bea.gov](http://www.bea.gov)) recently updated employment, per capita personal income for the nation, the State of

New Mexico, and New Mexico Counties along with recently released population estimates from the U.S Census Bureau. These were accounted for in the 2017 Base Study Report revisions. Population in the Albuquerque MSA increased 0.96 percent from 902,083 in 2013 to 910,726 in 2017 (U.S Census Bureau, 2018). Per capita personal income increased by 15.20 percent from \$35,465 in 2013 to \$40,856 in 2017.

**Tables 1 to 6 appear on pages 7-16**

<b>Table 1: Albuquerque MSA 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	388846	391890	397419	404584	407254
Proprietors employment	90307	91196	91872	92531	94298
Farm proprietors employment	3729	3717	3691	3670	3685
Nonfarm proprietors employment 2/	86578	87479	88181	88861	90613
<b>By industry</b>					
Farm employment	4361	4275	4305	4357	4283
Nonfarm employment	474792	478811	484986	492758	497269
Private nonfarm employment	387998	392505	398147	404639	409633
Forestry, fishing, and related activities	(D)	578	(D)	(D)	565
Mining	(D)	2043	(D)	(D)	2265
Utilities	(D)	(D)	(D)	(D)	1421
Construction	26555	26855	27190	28519	30330
Manufacturing	19765	18850	19020	18619	18304
Wholesale trade	13965	14970	14921	14197	13991
Retail trade	50324	50911	51282	51057	50172
Transportation and warehousing	(D)	(D)	(D)	(D)	12196
Information	10111	9942	(D)	10415	9837
Finance and insurance	18716	18934	19049	19890	(D)
Real estate and rental and leasing	19063	19310	(D)	20133	(D)
Professional, scientific, and technical services	(D)	(D)	(D)	(D)	(D)
Management of companies and enterprises	3618	3674	3821	4,034 E	4197
Administrative and waste management services	(D)	(D)	(D)	(D)	(D)
Educational services	(D)	9187	9169	8895	(D)
Health care and social assistance	(D)	57911	60111	62599	(D)
Arts, entertainment, and recreation	(D)	(D)	(D)	(D)	(D)
Accommodation and food services	(D)	(D)	(D)	(D)	(D)
Other services, except public administration	23946	24380	24523	24619	24745
Government and government enterprises	86794	86306	86839	88119	87636
Federal, civilian	14639	14305	14318	14485	14530
Military	6072	5750	5636	5683	5707
State and local	66083	66251	66885	67951	67399
State government	25280	25995	26717	27843	27591
Local government	40803	40256	40168	40108	39808
<b>Total employment</b>	<b>479,153</b>	<b>483,086</b>	<b>489,291</b>	<b>497,115</b>	<b>501,552</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 Albuquerque MSA (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	1.04	1.04	1.05	1.05	1.05
Proprietors employment	0.85	0.85	0.84	0.83	0.83
Farm proprietors employment	0.76	0.78	0.78	0.78	0.80
Nonfarm proprietors employment	0.85	0.85	0.84	0.83	0.83
<b>By industry</b>					
Farm employment	0.63	0.62	0.63	0.64	0.64
Nonfarm employment	1.01	1.01	1.01	1.00	1.00
Private nonfarm employment	0.95	0.95	0.95	0.95	0.95
Forestry, fishing, and related activities	N/A	0.24	N/A	N/A	0.24
Mining	N/A	0.49	N/A	N/A	0.59
Utilities	N/A	N/A	N/A	N/A	0.84
Construction	1.09	1.08	1.07	1.07	1.12
Manufacturing	0.59	0.56	0.57	0.55	0.54
Wholesale trade	0.84	0.86	0.85	0.85	0.84
Retail trade	1.04	1.05	1.04	1.03	1.02
Transportation and warehousing	N/A	N/A	N/A	N/A	0.62
Information	1.18	1.15	N/A	1.20	1.14
Finance and insurance	0.73	0.76	0.75	0.76	N/A
Real estate and rental and leasing	0.90	0.89	N/A	0.88	N/A
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	N/A
Management of companies and enterprises	0.61	0.60	0.61	N/A	0.62
Administrative and waste management services	N/A	N/A	N/A	N/A	N/A
Educational services	N/A	0.79	0.77	0.75	N/A
Health care and social assistance	N/A	1.07	1.10	1.12	N/A
Arts, entertainment, and recreation	N/A	N/A	N/A	N/A	N/A
Accommodation and food services	N/A	N/A	N/A	N/A	N/A
Other services, except public administration	0.87	0.87	0.85	0.86	0.87
Government and government enterprises	1.37	1.38	1.40	1.41	1.40
Federal, civilian	1.97	1.98	1.98	1.98	1.99
Military	1.14	1.12	1.12	1.15	1.16
State and local	1.31	1.32	1.34	1.35	1.34
State government	1.81	1.88	1.94	2.02	2.01
Local government	1.12	1.11	1.11	1.10	1.09
<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: Location Quotients for Albuquerque MSA (NM Base) 2013-2017</b>					
<b>NM Based</b>	<b>2013</b>	<b>2013</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>By type</b>					
Wage and salary employment	1.03	1.03	1.03	1.03	1.03
Proprietors employment	0.89	0.89	0.88	0.88	0.88
Farm proprietors employment	0.39	0.39	0.38	0.38	0.38
Nonfarm proprietors employment	0.94	0.94	0.94	0.93	0.93
<b>By industry</b>					
Farm employment	0.34	0.34	0.33	0.32	0.33
Nonfarm employment	1.02	1.02	1.02	1.02	1.02
Private nonfarm employment	1.04	1.04	1.04	1.04	1.04
Forestry, fishing, and related activities	N/A	0.23	N/A	N/A	0.22
Mining	N/A	0.12	N/A	N/A	0.15
Utilities	N/A	N/A	N/A	N/A	0.61
Construction	1.01	1.01	1.02	1.04	1.06
Manufacturing	1.25	1.24	1.24	1.23	1.21
Wholesale trade	1.17	1.16	1.17	1.23	1.23
Retail trade	1.00	1.00	1.00	0.99	0.99
Transportation and warehousing	N/A	N/A	N/A	N/A	0.99
Information	1.41	1.42	N/A	1.43	1.40
Finance and insurance	1.20	1.22	1.23	1.22	N/A
Real estate and rental and leasing	1.11	1.11	N/A	1.11	N/A
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	N/A
Management of companies and enterprises	1.48	1.46	1.45	N/A	1.42
Administrative and waste management services	N/A	N/A	N/A	N/A	N/A
Educational services	N/A	1.23	1.21	1.15	N/A
Health care and social assistance	N/A	1.04	1.03	1.02	N/A
Arts, entertainment, and recreation	N/A	N/A	N/A	N/A	N/A
Accommodation and food services	N/A	N/A	N/A	N/A	N/A
Other services, except public administration	0.99	0.99	0.98	0.98	0.98
Government and government enterprises	0.92	0.92	0.93	0.93	0.93
Federal, civilian	1.08	1.09	1.09	1.08	1.09
Military	0.74	0.74	0.74	0.73	0.72
State and local	0.91	0.91	0.92	0.92	0.92
State government	0.98	0.99	1.01	1.04	1.05
Local government	0.88	0.87	0.87	0.85	0.85
<b>Total employment</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</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 4: Albuquerque MSA, Total Employment by Industry 2017</b>		
	<b>Total Jobs</b>	<b>Percent of Total Employment</b>
<b>By type</b>		
Wage and salary employment	407,254	81.20
Proprietors employment	94,298	18.80
Farm proprietors employment	3,685	0.73
Nonfarm proprietors employment	90,613	18.07
<b>By industry</b>		0.00
Farm employment	4,283	0.85
Nonfarm employment	497,269	99.15
Private nonfarm employment	409,633	81.67
Forestry, fishing, and related activities	565	0.11
Mining	2,265	0.45
Utilities	1,421	0.28
Construction	30,330	6.05
Manufacturing	18,304	3.65
Wholesale trade	13,991	2.79
Retail trade	50,172	10.00
Transportation and warehousing	12,196	2.43
Information	9,837	1.96
Finance and insurance	(D)	N/A
Real estate and rental and leasing	(D)	N/A
Professional, scientific, and technical services	(D)	N/A
Management of companies and enterprises	4,197	0.84
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	(D)	N/A
Accommodation and food services	(D)	N/A
Other services, except public administration	24,745	4.93
Government and government enterprises	87,636	17.47
Federal, civilian	14,530	2.90
Military	5,707	1.14
State and local	67,399	13.44
State government	27,591	5.50
Local government	39,808	7.94
<b>Total employment</b>	<b>501,552</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 5: Albuquerque MSA 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>
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Management of companies and enterprises	3618	3674	3821	4,034	4197
Administrative and waste management services	(D)	(D)	(D)	(D)	(D)
Educational services	(D)	9187	9169	8895	(D)
Health care and social assistance	(D)	57911	60111	62599	(D)
Arts, entertainment, and recreation	(D)	(D)	(D)	(D)	(D)
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<b>Total employment</b>	<b>479,153</b>	<b>483,086</b>	<b>489,291</b>	<b>497,115</b>	<b>501,552</b>

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

<b>Table 6: 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	846,495	852,348	860,023	861,222	862,272
Proprietors employment	228,970	231,044	231,850	231,184	235,600
Farm proprietors employment	21,547	21,473	21,405	21,291	21,372
Nonfarm proprietors employment 2/	207,423	209,571	210,445	209,893	214,228
<b>By industry</b>					
Farm employment	29,208	28,262	28,866	29,641	28,633
Nonfarm employment	1,046,257	1,055,130	1,063,007	1,062,765	1,069,239
Private nonfarm employment	835,402	845,778	854,438	854,243	862,954
Forestry, fishing, and related activities	5,235	5,675	5,540	5,819	5,658
Mining	36,857	38,222	36,655	31,808	33,725
Utilities	4,652	4,591	4,684	4,900	5,099
Construction	59,142	59,584	59,709	60,012	62,633
Manufacturing	35,463	34,022	34,158	33,188	33,239
Wholesale trade	26,688	28,856	28,502	25,379	24,946
Retail trade	112,726	113,923	114,888	113,636	111,443
Transportation and warehousing	25,502	25,903	27,243	26,672	27,060
Information	16,059	15,725	15,588	16,001	15,339
Finance and insurance	35,010	34,783	34,461	35,684	36,737
Real estate and rental and leasing	38,414	39,111	39,660	39,866	40,634
Professional, scientific, and technical services	75,919	76,116	77,542	77,751	79,601
Management of companies and enterprises	5,502	5,631	5,877	6,337	6,449
Administrative and waste management services	54,597	54,370	52,998	53,887	55,307
Educational services	16,426	16,736	16,965	17,026	17,020
Health care and social assistance	123,737	124,796	129,720	134,269	134,712
Arts, entertainment, and recreation	23,734	24,225	24,245	24,151	24,831
Accommodation and food services	85,494	88,296	90,192	92,521	93,037
Other services, except public administration	54,245	55,213	55,811	55,336	55,484
Government and government enterprises	210,855	209,352	208,569	208,522	206,285
Federal, civilian	30,400	29,452	29,188	29,385	29,288
Military	18,350	17,518	16,923	17,159	17,348
State and local	162,105	162,382	162,458	161,978	159,649
State government	57,772	58,752	58,962	58,703	57,617
Local government	104,333	103,630	103,496	103,275	102,032
<b>Total employment</b>	<b>1,075,465</b>	<b>1,083,392</b>	<b>1,091,873</b>	<b>1,092,406</b>	<b>1,097,872</b>

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

**Table 7: United States Employment by Industry 2013-2017**

<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	144,722,000	147,635,000	149,904,000	151,825,000
Proprietors employment	40,393,100	41,513,800	42,682,800	43,464,900	44,307,200
Farm proprietors employment	1,856,000	1,842,000	1,832,000	1,823,000	1,812,000
Nonfarm proprietors employment 2/	38,537,100	39,671,800	40,850,800	41,641,900	42,495,200
<b>By industry</b>					
Farm employment	2,645,000	2,645,000	2,649,000	2,643,000	2,631,000
Nonfarm employment	179,680,100	183,590,800	187,668,800	190,725,900	193,501,200
Private nonfarm employment	155,625,100	159,536,800	163,523,800	166,427,900	169,096,200
Forestry, fishing, and related activities	909,100	941,000	915,900	935,200	926,400
Mining	1,607,000	1,597,500	1,553,300	1,452,200	1,511,100
Utilities	578,300	580,600	597,400	622,000	663,500
Construction	9,237,800	9,564,300	9,844,900	10,322,100	10,634,600
Manufacturing	12,761,200	12,908,600	13,076,600	13,131,900	13,304,800
Wholesale trade	6,343,100	6,720,600	6,819,100	6,464,400	6,478,900
Retail trade	18,369,100	18,713,100	19,095,300	19,199,500	19,222,200
Transportation and warehousing	6,012,800	6,282,400	6,929,700	7,413,200	7,663,800
Information	3,264,600	3,327,000	3,316,400	3,384,900	3,384,400
Finance and insurance	9,815,300	9,621,000	9,844,600	10,187,400	10,510,200
Real estate and rental and leasing	8,056,800	8,405,800	8,668,300	8,868,200	9,105,900
Professional, scientific, and technical services	12,544,300	12,864,700	13,333,200	13,496,900	13,721,000
Management of companies and enterprises	2,265,000	2,360,300	2,425,500	2,603,800	2,667,400
Administrative and waste management services	11,366,900	11,719,200	11,770,600	12,033,600	12,088,500
Educational services	4,339,100	4,498,100	4,610,900	4,641,800	4,691,200
Health care and social assistance	20,499,200	20,798,400	21,351,100	21,817,100	22,201,200
Arts, entertainment, and recreation	4,043,800	4,223,300	4,220,100	4,363,100	4,455,500
Accommodation and food services	13,099,200	13,548,900	13,977,700	14,399,000	14,697,400
Other services, except public administration	10,512,500	10,862,000	11,173,200	11,091,600	11,168,200
Government and government enterprises	24,055,000	24,054,000	24,145,000	24,298,000	24,405,000
Federal, civilian	2,826,000	2,792,000	2,810,000	2,847,000	2,857,000
Military	2,032,000	1,975,000	1,956,000	1,927,000	1,929,000
State and local	19,197,000	19,287,000	19,379,000	19,524,000	19,619,000
State government	5,306,000	5,330,000	5,349,000	5,351,000	5,365,000
Local government	13,891,000	13,957,000	14,030,000	14,173,000	14,254,000
<b>Total employment</b>	<b>182,325,100</b>	<b>186,235,800</b>	<b>190,317,800</b>	<b>193,368,900</b>	<b>196,132,200</b>

<b>Table 8: Albuquerque MSA, New Mexico and United States Percent of Employment by Industry 2017</b>			
	<b>United States</b>	<b>New Mexico</b>	<b>Albuquerque MSA</b>
<b>By type</b>			
Wage and salary employment	77.41	78.54	81.20
Proprietors employment	22.59	21.46	18.80
Farm proprietors employment	0.92	1.95	0.73
Nonfarm proprietors employment	21.67	19.51	18.07
<b>By industry</b>	0.00	0.00	0.00
Farm employment	1.34	2.61	0.85
Nonfarm employment	98.66	97.39	99.15
Private nonfarm employment	86.22	78.60	81.67
Forestry, fishing, and related activities	0.47	0.52	0.11
Mining	0.77	3.07	0.45
Utilities	0.34	0.46	0.28
Construction	5.42	5.70	6.05
Manufacturing	6.78	3.03	3.65
Wholesale trade	3.30	2.27	2.79
Retail trade	9.80	10.15	10.00
Transportation and warehousing	3.91	2.46	2.43
Information	1.73	1.40	1.96
Finance and insurance	5.36	3.35	N/A
Real estate and rental and leasing	4.64	3.70	N/A
Professional, scientific, and technical services	7.00	7.25	N/A
Management of companies and enterprises	1.36	0.59	0.84
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	N/A
Accommodation and food services	7.49	8.47	N/A
Other services, except public administration	5.69	5.05	4.93
Government and government enterprises	12.44	18.79	17.47
Federal, civilian	1.46	2.67	2.90
Military	0.98	1.58	1.14
State and local	10.00	14.54	13.44
State government	2.74	5.25	5.50
Local government	7.27	9.29	7.94
<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 9: Albuquerque MSA 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	81.15	81.12	81.22	81.39	81.20
Proprietors employment	18.85	18.88	18.78	18.61	18.80
Farm proprietors employment	0.78	0.77	0.75	0.74	0.73
Nonfarm proprietors employment	18.07	18.11	18.02	17.88	18.07
<b>By industry</b>					
Farm employment	0.91	0.88	0.88	0.88	0.85
Nonfarm employment	99.09	99.12	99.12	99.12	99.15
Private nonfarm employment	80.98	81.25	81.37	81.40	81.67
Forestry, fishing, and related activities	N/A	0.12	N/A	N/A	0.11
Mining	N/A	0.42	N/A	N/A	0.45
Utilities	N/A	N/A	N/A	N/A	0.28
Construction	5.54	5.56	5.56	5.74	6.05
Manufacturing	4.12	3.90	3.89	3.75	3.65
Wholesale trade	2.91	3.10	3.05	2.86	2.79
Retail trade	10.50	10.54	10.48	10.27	10.00
Transportation and warehousing	N/A	N/A	N/A	N/A	2.43
Information	2.11	2.06	N/A	2.10	1.96
Finance and insurance	3.91	3.92	3.89	4.00	N/A
Real estate and rental and leasing	3.98	4.00	N/A	4.05	N/A
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	N/A
Management of companies and enterprises	0.76	0.76	0.78	N/A	0.84
Administrative and waste management services	N/A	N/A	N/A	N/A	N/A
Educational services	N/A	1.90	1.87	1.79	N/A
Health care and social assistance	N/A	11.99	12.29	12.59	N/A
Arts, entertainment, and recreation	N/A	N/A	N/A	N/A	N/A
Accommodation and food services	N/A	N/A	N/A	N/A	N/A
Other services, except public administration	5.00	5.05	5.01	4.95	4.93
Government and government enterprises	18.11	17.87	17.75	17.73	17.47
Federal, civilian	3.06	2.96	2.93	2.91	2.90
Military	1.27	1.19	1.15	1.14	1.14
State and local	13.79	13.71	13.67	13.67	13.44
State government	5.28	5.38	5.46	5.60	5.50
Local government	8.52	8.33	8.21	8.07	7.94
<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



**Table 10: New Mexico Percent of Employment by Industry 2013 - 2017**

Description	2013	2014	2015	2016	2017
<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>	<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 calculations

<b>Table 11: 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