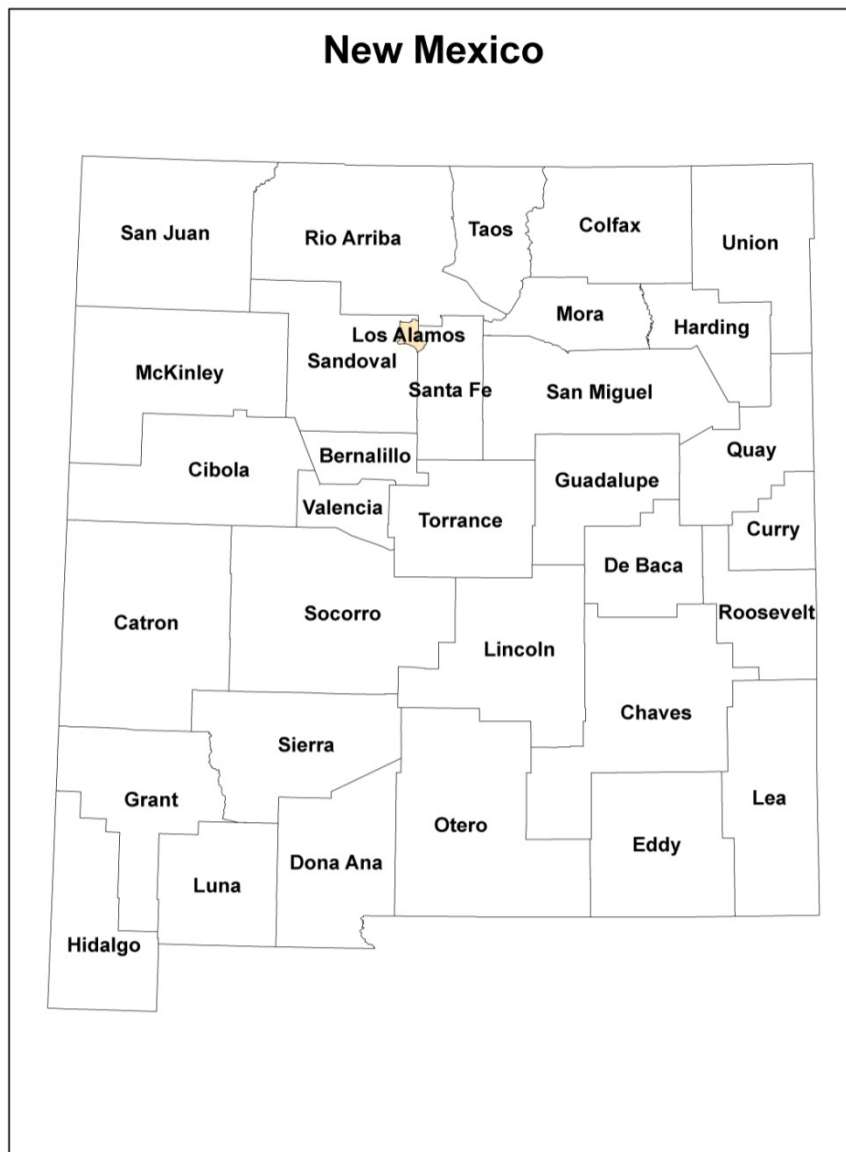




The Economic Base of Los Alamos County, NM

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

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The Economic Base of Los Alamos County, New Mexico

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 in 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. 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 assist 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. The 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:

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

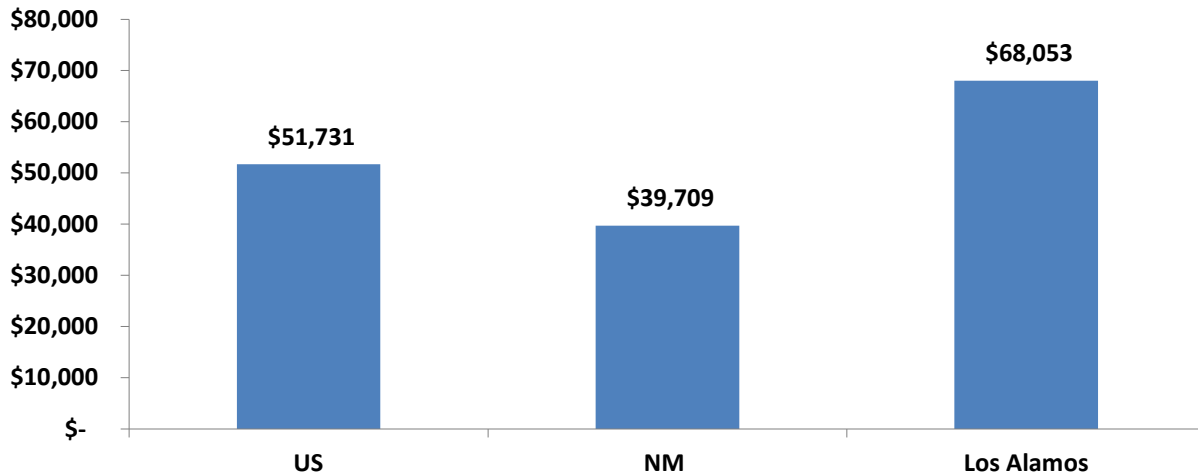
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national 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 Los Alamos County with 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 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.

Los Alamos County, New Mexico

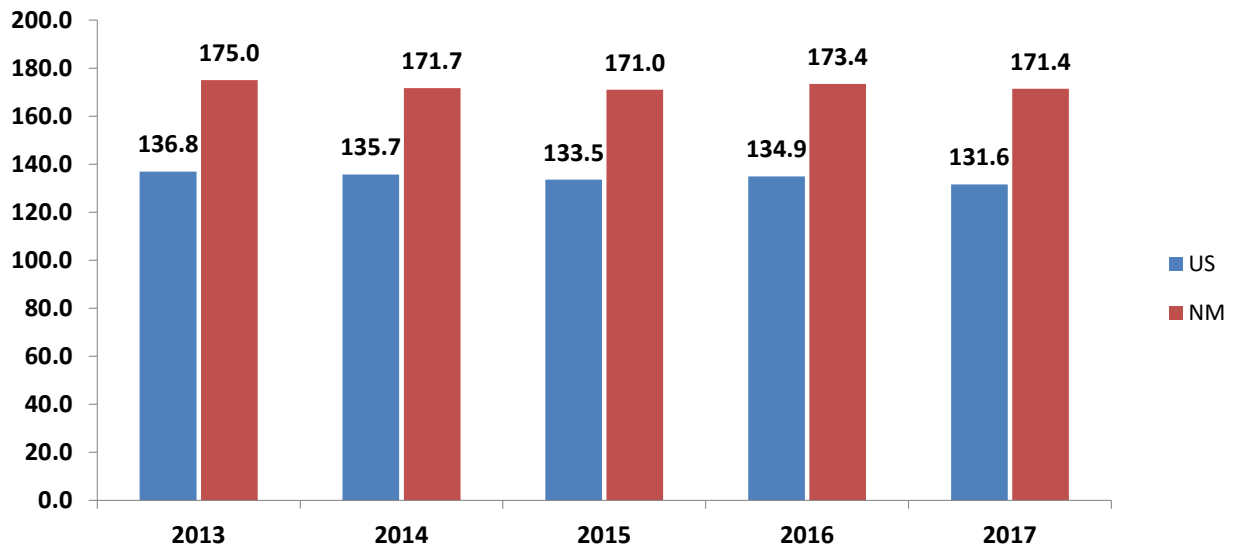
Los Alamos County is located in north central New Mexico and contains 109.17 square miles, or 0.09 percent of the land area in New Mexico, the smallest county in the state. The population of Los Alamos County in 2017 was 18,738, 0.90 percent of the state total, and ranking 21st in terms of population. In Los Alamos County, the population increased by 5.09 percent between 2013 and 2017. During this same period, New Mexico's population increased by 0.03 percent and the United States' population increased by 2.88 percent.

Figure 1. Per Capita Personal Income: Los Alamos (2017)



Per capita personal income for Los Alamos County in 2017 was \$68,053, ranking 1st with the highest per capita personal income in New Mexico. Per capita personal income for Los Alamos County represented 171.38 percent of the corresponding state figure of \$39,709 and 131.55 percent of the national average of \$51,731 (See Figures 1 and 2). Between 2013 and 2017, the percentage growth of per capita income for Los Alamos County was 10.88 percent, compared to the state percentage growth 13.21 percent and the nation’s 15.34 percent for the same period.

Figure 2. Per Capita Income of Los Alamos as a Percent of U.S. and New Mexico 2013-2017



Total employment for Los Alamos County in 2017 was 19,573. Between 2013 and 2017, total employment in Los Alamos County increased by 5.63 percent, compared to the state employment increase of 2.08 percent and nation’s employment increase of 7.57 percent. The employment to

population ratio for Los Alamos County was 1.04, compared to the state ratio (0.52) and the nation's ratio (0.60). This high ratio for Los Alamos County represents the level of employment with workers living outside the county and commuting to work. Given little diversification of the Los Alamos County employment base and limited number of establishments in the County, released data from BEA on employment by industry for the county is very limited to protect confidentiality. However, industry data for all industries are included in annual countywide totals.

In 2017, 90.14 percent of all employment in Los Alamos County was in the Private sector, while Government and government enterprises accounted for 9.86 percent and Farm employment accounted for zero percent of the total. In the private sector, the highest percent of total employment was Administrative and Waste Management Services (7.29), Health care and social assistance (5.40 percent), Retail trade (3.43 percent) and Accommodations and Food services (2.78 percent). State and local government employment data were undisclosed. Federal/civilian employment accounted for 1.21 percent of total employment and military accounted for 0.26 percent. Employment for Los Alamos County by sector is displayed in Table 3.

Basic and Non-Basic Industries in Los Alamos County, New Mexico

Table 1 contains LQs for Los Alamos County from 2013 to 2017 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Los Alamos County from 2013 to 2017 calculated with respect to the state of New Mexico. A LQ greater than 1.0, with respect to the U.S. employment, is considered a basic industry in this analysis. Sectors with a LQ greater than 1.0 have been shaded.

Within the private sector, with the exception for Administrative Waste and Management Services with an LQ of 1.18, all other industries are either below 1.0 or data is not available. Administrative Waste and Management Services is considered a basic industry for Los Alamos in 2017. The entry labeled government and government enterprises is the aggregate figure of all government levels listed as government categories. The LQs for government and government enterprises are either below 1.0 or the employment data was not disclosed. This indicates that all government employment are non-basic industries in Los Alamos County.

The data for 2017 suggest that in Los Alamos County, the following industry should be considered basic:

1. Administrative Waste and Management Services, with 1,426 jobs.

It is common in economic base studies to calculate an export-base employment multiplier. This employment multiplier is obtained by dividing total employment by total employment in the basic sectors. In Los Alamos County, the multiplier is equal to 13.72 (19,573/ 1,426). This ratio suggests that any additional basic sector job in Los Alamos County would be associated with additional 13.72 non-basic sector jobs. The export base multiplier (13.72) calculated above reinforces the importance of basic (exporting) industries to the economy of Los Alamos County. 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.

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 development of a community economic development plan is to include the appropriate combination of policies, which often result from public and private sector interaction.

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 Bureau for population data. Los Alamos County's population in 2017 increased by 3.23 percent from 18,152 in 2016 to 18,738 in 2017. Per capita personal income in Los Alamos County increased by 1.16 percent in 2017 from \$67,271 in 2016 to \$68,053 in 2017. Total employment in Los Alamos County increased by 3.17 percent, an increase of 601 jobs.

Tables 1 to 10 appear on pages 6-15.

Table 1: Location Quotients for Los Alamos County (US Base) 2013-2017					
US Base	2013	2014	2015	2016	2017
By type					
Wage and salary employment	1.15	1.15	1.15	1.16	1.16
Proprietors employment	0.46	0.46	0.48	0.46	0.45
Farm proprietors employment	0.00	0.00	0.00	0.00	0.00
Nonfarm proprietors employment	0.48	0.49	0.50	0.48	0.47
By industry					
Farm employment	0.00	0.00	0.00	0.00	0.00
Nonfarm employment	1.01	1.01	1.01	1.01	1.01
Private nonfarm employment	1.05	1.04	1.04	1.05	1.05
Forestry, fishing, and related activities	0.15	0.15	0.13	0.11	0.10
Mining	0.18	0.19	0.19	N/A	N/A
Utilities	0.02	0.05	0.12	0.02	0.02
Construction	0.30	0.28	0.31	0.29	0.28
Manufacturing	0.09	0.09	0.11	N/A	N/A
Wholesale trade	0.12	N/A	N/A	N/A	N/A
Retail trade	0.31	0.37	0.39	0.38	0.35
Transportation and warehousing	0.03	N/A	N/A	N/A	N/A
Information	0.31	0.31	0.36	0.35	0.35
Finance and insurance	0.40	0.41	0.34	0.35	0.30
Real estate and rental and leasing	0.39	0.39	0.37	0.37	0.36
Professional, scientific, and technical services	8.33	8.25	N/A	N/A	N/A
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	N/A	N/A	1.16	1.18	1.18
Educational services	0.72	0.55	0.44	0.38	0.38
Health care and social assistance	0.49	0.49	0.49	0.50	0.48
Arts, entertainment, and recreation	0.71	0.68	0.77	0.77	0.76
Accommodation and food services	0.41	0.38	0.36	0.35	0.37
Other services, except public administration	0.49	0.52	0.53	0.52	0.50
Government and government enterprises	0.81	0.83	0.82	0.80	0.79
Federal, civilian	0.99	0.92	0.86	0.83	0.83
Military	0.25	0.25	0.25	0.26	0.26
State and local	0.84	0.87	0.87	0.85	0.84
State government	N/A	N/A	N/A	N/A	N/A
Local government	N/A	N/A	N/A	N/A	N/A
Total employment	1.00	1.00	1.00	1.00	1.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation

Table 2: Location Quotients for Los Alamos County (NM Base) 2013-2017					
NM Based	2013	2014	2015	2016	2017
By type					
Wage and salary employment	1.14	1.14	1.13	1.14	1.14
Proprietors employment	0.48	0.49	0.51	0.49	0.47
Farm proprietors employment	0.00	0.00	0.00	0.00	0.00
Nonfarm proprietors employment	0.53	0.54	0.56	0.54	0.52
By industry					
Farm employment	0.00	0.00	0.00	0.00	0.00
Nonfarm employment	1.03	1.03	1.03	1.03	1.03
Private nonfarm employment	1.15	1.14	1.14	1.15	1.15
Forestry, fishing, and related activities	0.16	0.15	0.13	0.10	0.09
Mining	0.05	0.05	0.05	N/A	N/A
Utilities	0.01	0.04	0.09	0.01	0.01
Construction	0.28	0.26	0.29	0.28	0.26
Manufacturing	0.19	0.21	0.25	N/A	N/A
Wholesale trade	0.17	N/A	N/A	N/A	N/A
Retail trade	0.30	0.35	0.37	0.36	0.34
Transportation and warehousing	0.05	N/A	N/A	N/A	N/A
Information	0.38	0.38	0.44	0.41	0.43
Finance and insurance	0.66	0.66	0.56	0.57	0.48
Real estate and rental and leasing	0.48	0.49	0.46	0.46	0.45
Professional, scientific, and technical services	8.11	8.12	N/A	N/A	N/A
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	N/A	N/A	1.48	1.48	1.45
Educational services	1.12	0.86	0.69	0.58	0.59
Health care and social assistance	0.48	0.47	0.46	0.46	0.44
Arts, entertainment, and recreation	0.71	0.69	0.77	0.79	0.77
Accommodation and food services	0.37	0.34	0.32	0.31	0.33
Other services, except public administration	0.56	0.59	0.60	0.58	0.57
Government and government enterprises	0.54	0.55	0.54	0.53	0.52
Federal, civilian	0.54	0.51	0.47	0.46	0.45
Military	0.16	0.17	0.17	0.16	0.16
State and local	0.59	0.60	0.60	0.58	0.58
State government	N/A	N/A	N/A	N/A	N/A
Local government	N/A	N/A	N/A	N/A	N/A
Total employment	1.00	1.00	1.00	1.00	1.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation

Table 3: Los Alamos County Total Employment by Industry 2017		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	17580	89.82
Proprietors employment	1993	10.18
Farm proprietors employment	0	0.00
Nonfarm proprietors employment	1993	10.18
By industry		
Farm employment	0	0.00
Nonfarm employment	19573	100.00
Private nonfarm employment	17643	90.14
Forestry, fishing, and related activities	9	0.05
Mining	N/A	N/A
Utilities	1	0.01
Construction	292	1.49
Manufacturing	N/A	N/A
Wholesale trade	N/A	N/A
Retail trade	671	3.43
Transportation and warehousing	N/A	N/A
Information	118	0.60
Finance and insurance	316	1.61
Real estate and rental and leasing	325	1.66
Professional, scientific, and technical services	N/A	N/A
Management of companies and enterprises	N/A	N/A
Administrative and waste management services	1426	7.29
Educational services	179	0.91
Health care and social assistance	1056	5.40
Arts, entertainment, and recreation	339	1.73
Accommodation and food services	544	2.78
Other services, except public administration	561	2.87
Government and government enterprises	1930	9.86
Federal, civilian	236	1.21
Military	50	0.26
State and local	1644	8.40
State government	N/A	N/A
Local government	N/A	N/A
Total employment	19,573	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation

Table 4: Los Alamos County Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	16639	16373	16506	17009	17580
Proprietors employment	1891	1892	1988	1963	1993
Farm proprietors employment	0	0	0	0	0
Nonfarm proprietors employment 2/	1891	1892	1988	1963	1993
By industry					
Farm employment	0	0	0	0	0
Nonfarm employment	18530	18265	18494	18972	19573
Private nonfarm employment	16560	16316	16570	17064	17643
Forestry, fishing, and related activities	14	14	12	10	9
Mining	30	29	28	N/A	N/A
Utilities	1	3	7	1	1
Construction	282	261	295	297	292
Manufacturing	114	120	143	N/A	N/A
Wholesale trade	80	N/A	N/A	N/A	N/A
Retail trade	580	670	717	710	671
Transportation and warehousing	20	N/A	N/A	N/A	N/A
Information	104	102	115	115	118
Finance and insurance	400	385	328	351	316
Real estate and rental and leasing	320	321	308	321	325
Professional, scientific, and technical services	10614	10414	N/A	N/A	N/A
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	N/A	N/A	1329	1389	1426
Educational services	318	244	197	171	179
Health care and social assistance	1021	999	1007	1063	1056
Arts, entertainment, and recreation	290	281	315	331	339
Accommodation and food services	549	511	484	496	544
Other services, except public administration	526	551	571	561	561
Government and government enterprises	1970	1949	1924	1908	1930
Federal, civilian	283	253	234	233	236
Military	52	49	48	49	50
State and local	1635	1647	1642	1626	1644
State government	N/A	N/A	N/A	N/A	N/A
Local government	N/A	N/A	N/A	N/A	N/A
Total employment	18,530	18,265	18,494	18,972	19,573

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation

Table 5: New Mexico Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
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	207,423	209,571	210,445	209,893	214,228
By industry					
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
Total employment	1,075,465	1,083,392	1,091,873	1,092,406	1,097,872

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N

Table 6: United States Employment by Industry 2013-2017

Number of jobs by industry	2013	2014	2015	2016	2017
By type					
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	38,537,100	39,671,800	40,850,800	41,641,900	42,495,200
By industry					
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
Total employment	182,325,100	186,235,800	190,317,800	193,368,900	196,132,200

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N

Table 7: Los Alamos County, New Mexico and United States Percent of Employment by Industry 2017			
	United States	New Mexico	Los Alamos County
By type			
Wage and salary employment	77.41	78.54	89.82
Proprietors employment	22.59	21.46	10.18
Farm proprietors employment	0.92	1.95	0.00
Nonfarm proprietors employment	21.67	19.51	10.18
By industry			
Farm employment	1.34	2.61	0.00
Nonfarm employment	98.66	97.39	100.00
Private nonfarm employment	86.22	78.60	90.14
Forestry, fishing, and related activities	0.47	0.52	0.05
Mining	0.77	3.07	N/A
Utilities	0.34	0.46	0.01
Construction	5.42	5.70	1.49
Manufacturing	6.78	3.03	N/A
Wholesale trade	3.30	2.27	N/A
Retail trade	9.80	10.15	3.43
Transportation and warehousing	3.91	2.46	N/A
Information	1.73	1.40	0.60
Finance and insurance	5.36	3.35	1.61
Real estate and rental and leasing	4.64	3.70	1.66
Professional, scientific, and technical services	7.00	7.25	N/A
Management of companies and enterprises	1.36	0.59	N/A
Administrative and waste management services	6.16	5.04	7.29
Educational services	2.39	1.55	0.91
Health care and social assistance	11.32	12.27	5.40
Arts, entertainment, and recreation	2.27	2.26	1.73
Accommodation and food services	7.49	8.47	2.78
Other services, except public administration	5.69	5.05	2.87
Government and government enterprises	12.44	18.79	9.86
Federal, civilian	1.46	2.67	1.21
Military	0.98	1.58	0.26
State and local	10.00	14.54	8.40
State government	2.74	5.25	N/A
Local government	7.27	9.29	N/A
Total employment	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation

Table 8: Los Alamos County Percent of Employment by Sectors 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	89.79	89.64	89.25	89.65	89.82
Proprietors employment	10.21	10.36	10.75	10.35	10.18
Farm proprietors employment	0.00	0.00	0.00	0.00	0.00
Nonfarm proprietors employment	10.21	10.36	10.75	10.35	10.18
By industry					
Farm employment	0.00	0.00	0.00	0.00	0.00
Nonfarm employment	100.00	100.00	100.00	100.00	100.00
Private nonfarm employment	89.37	89.33	89.60	89.94	90.14
Forestry, fishing, and related activities	0.08	0.08	0.06	0.05	0.05
Mining	0.16	0.16	0.15	N/A	N/A
Utilities	0.01	0.02	0.04	0.01	0.01
Construction	1.52	1.43	1.60	1.57	1.49
Manufacturing	0.62	0.66	0.77	N/A	N/A
Wholesale trade	0.43	N/A	N/A	N/A	N/A
Retail trade	3.13	3.67	3.88	3.74	3.43
Transportation and warehousing	0.11	N/A	N/A	N/A	N/A
Information	0.56	0.56	0.62	0.61	0.60
Finance and insurance	2.16	2.11	1.77	1.85	1.61
Real estate and rental and leasing	1.73	1.76	1.67	1.69	1.66
Professional, scientific, and technical services	57.28	57.02	N/A	N/A	N/A
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	N/A	N/A	7.19	7.32	7.29
Educational services	1.72	1.34	1.07	0.90	0.91
Health care and social assistance	5.51	5.47	5.45	5.60	5.40
Arts, entertainment, and recreation	1.57	1.54	1.70	1.74	1.73
Accommodation and food services	2.96	2.80	2.62	2.61	2.78
Other services, except public administration	2.84	3.02	3.09	2.96	2.87
Government and government enterprises	10.63	10.67	10.40	10.06	9.86
Federal, civilian	1.53	1.39	1.27	1.23	1.21
Military	0.28	0.27	0.26	0.26	0.26
State and local	8.82	9.02	8.88	8.57	8.40
State government	N/A	N/A	N/A	N/A	N/A
Local government	N/A	N/A	N/A	N/A	N/A
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation

Table 9: New Mexico Percent of Employment by Industry 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
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
By industry					
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
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation

Table 10: United States Percent of Employment by Industry 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
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
By industry					
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
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N and author's calculation