



The Economic Base of Los Alamos County, NM

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DATE: July 2017



The Economic Base of Los Alamos 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, Director of the Office of Policy Analysis. Leonardo Delgado and Noel Martinez, 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:

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

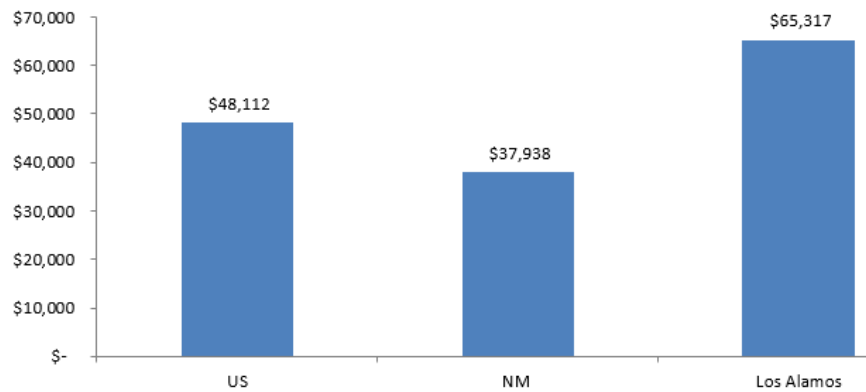
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national 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 (2011-2015). 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

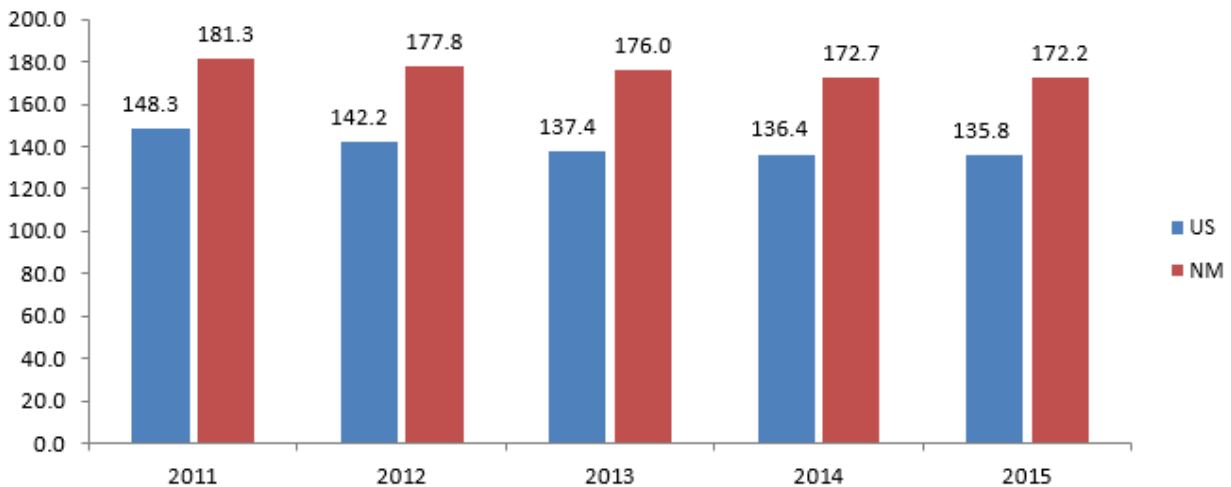
Los Alamos County is located in north central New Mexico and contains 109.17 square miles, or 0.09 percent of the land area in New Mexico, the smallest county in the state. The population of Los Alamos County in 2015 was 17,718, 0.85 percent of the state total, and ranking 21st in terms of population. In Los Alamos County, the population decreased by 2.16 percent between 2011 and 2015. During this same period, New Mexico's population increased by .33 percent and the United States' population increased by 3.11 percent.

Figure 1. Per Capita Personal Income: Los Alamos County (2015)



Per capita personal income for Los Alamos County in 2015 was \$65,317, ranking 1st with the highest per capita personal income in New Mexico. Per capita personal income for Los Alamos County represented 172.2 percent of the corresponding state figure of \$37,938 and 135.8 percent of the national average of \$48,112 (See Figures 1 and 2). Between 2011 and 2015, the percentage growth of per capita income for Los Alamos County was 3.76 percent, compared to the state percentage growth 9.24 percent and the nation’s 13.33 percent for the same period.

Figure 2 : Per Capita Income of Los Alamos County as Percent of U.S. and New Mexico 2011-2015



Total employment for Los Alamos County in 2015 was 18,452. Between 2011 and 2015, total employment in Los Alamos County decreased by 6.35 percent, compared to the state employment increase of 2.88 percent and nation’s employment increase of 7.89 percent. The employment to population ratio for Los Alamos County was 1.04, compared to the state ratio (0.53) and the nation’s ratio (0.59). 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 2015, 89.57 percent of all employment in Los Alamos County was in the Private sector, while Government and government enterprises accounted for 10.43 percent and Farm employment accounted for zero percent of the total. In the private sector, in past years, the highest percent of total employment was Professional, scientific, and technical services. However, for 2015 the information was not disclosed to avoid disclosure of confidential information, this sector is followed by Health care and social assistance (5.44 percent), Retail trade (3.94 percent) and Accommodations and Food services (2.68 percent). State and local government employment data were undisclosed. Federal/civilian employment accounted for 1.27 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 2011 to 2015 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Los Alamos County from 2011 to 2015 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.

For 2015, within the private sector, Professional, scientist, and technical services was not disclosed, all other industries are either below 1.0 or data is not available. The most recent year the data was disclosed for professional, scientist, and technical services was 2014. This data will be used for this portion of the analysis, this is needed to gain some insight into the effect the Professional, scientist, and technical services sector has on the county. For 2014 the LQ for Professional, scientist, and technical services was 8.25. For the years 2011-2014 the LQ was always above 8.25. The large LQ for Professional, scientist, and technical services reflects the high level of employment at Los Alamos National Laboratory (LANL), a government-owned national security research laboratory with large numbers of government and contract employees. Prior to 2010, many of these employees were considered state employees and part of the University of California, Berkeley. Changes in management of LANL resulted in the reclassification of many employees into the category of professional and technical employees. This may be one of the reasons for the decrease in the total figure of state and local employees and the increase in the number of professional, scientist, and technical services industry in 2010. The professional, scientist, and technical services industry is considered a basic industry for Los Alamos. The entry labeled government and government enterprises is the aggregate figure of all government levels listed as

government categories. The LQs for state and local government LQs are below 1.0, which indicates all government employment, are non-basic industries in Los Alamos County.

The data for 2015 was not disclosed, therefore the most recent data for 2014 was used for this section. The data for 2014 suggest that in Los Alamos County, the following industry should be considered basic:

1. Professional and technical services, with 10,400 jobs (2014 figure, which is the most recent available and disclosed data).

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 1.75 (18,239/ 10,400). This ratio suggests that any additional basic sector job in Los Alamos County would be associated with additional 1.75 non-basic sector jobs. The export base multiplier (1.75) 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 2015 increased to 17,785, from 17,718 in 2014. Per capita personal income in Los Alamos County increased in 2015 by 3.19 percent, from \$63,298 in 2014 to \$65,317 in 2015. The data for the professional, scientist, and technical services industry was not disclosed for the year 2015.

Tables 1 to 10 appear on pages 6-15.

Table 1: Location Quotients for Los Alamos County (US Base) 2011-2015

US Base	2011	2012	2013	2014	2015
By type					
Wage and salary employment	1.16	1.15	1.15	1.15	1.15
Proprietors employment	0.45	0.46	0.46	0.46	0.47
Farm proprietors employment	0.00	0.00	0.00	0.00	0.00
Nonfarm proprietors employment	0.47	0.48	0.48	0.48	0.49
By industry					
Farm employment	0.00	0.00	0.00	0.00	0.00
Nonfarm employment	1.02	1.01	1.01	1.01	1.01
Private nonfarm employment	1.06	1.05	1.05	1.04	1.04
Forestry, fishing, and related activities	0.14	0.15	0.16	0.15	0.15
Mining	N/A	N/A	0.18	0.16	0.17
Utilities	N/A	N/A	N/A	N/A	N/A
Construction	0.30	0.33	0.30	0.28	0.31
Manufacturing	N/A	N/A	0.09	0.09	0.11
Wholesale trade	0.17	0.20	0.12	N/A	N/A
Retail trade	0.29	0.29	0.31	0.37	0.39
Transportation and warehousing	0.05	0.05	0.03	N/A	N/A
Information	0.35	0.33	0.31	0.31	0.32
Finance and insurance	0.39	0.42	0.39	0.40	0.36
Real estate and rental and leasing	0.37	0.41	0.39	0.39	0.38
Professional, scientific, and technical services	8.83	8.51	8.33	8.25	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	N/A	N/A	1.15
Educational services	0.46	0.60	0.72	0.55	0.41
Health care and social assistance	0.48	0.49	0.49	0.49	0.49
Arts, entertainment, and recreation	0.70	0.73	0.70	0.68	0.73
Accommodation and food services	0.41	0.40	0.41	0.38	0.36
Other services, except public administration	0.44	0.44	0.49	0.52	0.53
Government and government enterprises	0.72	0.77	0.81	0.83	0.82
Federal, civilian	0.90	1.00	0.99	0.92	0.86
Military	0.23	0.24	0.25	0.25	0.25
State and local	0.75	0.79	0.84	0.87	0.87
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 CA25N and author's calculation

Table 2: Location Quotients for Los Alamos County (NM Base) 2011-2015					
	2011	2012	2013	2014	2015
NM Based					
By type					
Wage and salary employment	1.14	1.14	1.14	1.14	1.14
Proprietors employment	0.47	0.47	0.48	0.49	0.49
Farm proprietors employment	0.00	0.00	0.00	0.00	0.00
Nonfarm proprietors employment	0.52	0.52	0.53	0.54	0.54
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	1.16	1.16	1.15	1.14	1.14
Forestry, fishing, and related activities	0.13	0.15	0.17	0.15	0.14
Mining	N/A	N/A	0.05	0.04	0.04
Utilities	N/A	N/A	N/A	N/A	N/A
Construction	0.26	0.31	0.28	0.26	0.30
Manufacturing	N/A	N/A	0.19	0.21	0.25
Wholesale trade	0.24	0.28	0.17	N/A	N/A
Retail trade	0.28	0.28	0.30	0.35	0.37
Transportation and warehousing	0.07	0.07	0.05	N/A	N/A
Information	0.42	0.39	0.37	0.38	0.39
Finance and insurance	0.65	0.70	0.65	0.65	0.58
Real estate and rental and leasing	0.45	0.50	0.48	0.49	0.48
Professional, scientific, and technical services	8.24	8.14	8.12	8.11	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	N/A	N/A	1.47
Educational services	0.70	0.93	1.12	0.86	0.63
Health care and social assistance	0.46	0.48	0.48	0.47	0.46
Arts, entertainment, and recreation	0.70	0.73	0.71	0.69	0.72
Accommodation and food services	0.37	0.36	0.37	0.34	0.32
Other services, except public administration	0.50	0.50	0.56	0.59	0.61
Government and government enterprises	0.50	0.52	0.54	0.55	0.55
Federal, civilian	0.49	0.54	0.54	0.51	0.48
Military	0.16	0.16	0.16	0.17	0.17
State and local	0.54	0.56	0.59	0.60	0.60
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	1.0	1.0	1.0	1.0	1.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 3: Los Alamos County Total Employment by Industry 2015		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	16,508	89.46
Proprietors employment	1,944	10.54
Farm proprietors employment	0	0.00
Nonfarm proprietors employment	1,944	10.54
By industry		
Farm employment	0	0.00
Nonfarm employment	18,452	100.00
Private nonfarm employment	16,528	89.57
Forestry, fishing, and related activities	14	0.08
Mining	25	0.14
Utilities	(L)	N/A
Construction	302	1.64
Manufacturing	141	0.76
Wholesale trade	(D)	N/A
Retail trade	727	3.94
Transportation and warehousing	(D)	N/A
Information	105	0.57
Finance and insurance	339	1.84
Real estate and rental and leasing	325	1.76
Professional, scientific, and technical services	(D)	N/A
Management of companies and enterprises	(D)	N/A
Administrative and waste management services	1,341	7.27
Educational services	187	1.01
Health care and social assistance	1,004	5.44
Arts, entertainment, and recreation	303	1.64
Accommodation and food services	494	2.68
Other services, except public administration	567	3.07
Government and government enterprises	1,924	10.43
Federal, civilian	234	1.27
Military	48	0.26
State and local	1,642	8.90
State government	(D)	N/A
Local government	(D)	N/A
Total employment	18,452	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 4: Los Alamos County Employment by Industry 2011-2015

Number of jobs by industry	2011	2012	2013	2014	2015
By type					
Wage and salary employment	17,724	17,294	16,639	16,362	16,508
Proprietors employment	1,979	1,946	1,883	1,877	1,944
Farm proprietors employment	-	-	-	-	-
Nonfarm proprietors employment 2/	1,979	1,946	1,883	1,877	1,944
By industry					
Farm employment	-	-	-	-	-
Nonfarm employment	19,703	19,240	18,522	18,239	18,452
Private nonfarm employment	17,737	17,243	16,552	16,291	16,528
Forestry, fishing, and related activities	13	14	15	14	14
Mining	(D)	(D)	30	25	25
Utilities	(L)	(L)	(L)	(L)	(L)
Construction	291	319	282	263	302
Manufacturing	(D)	(D)	116	120	141
Wholesale trade	118	136	80	(D)	(D)
Retail trade	581	566	580	671	727
Transportation and warehousing	30	32	20	(D)	(D)
Information	127	115	103	102	105
Finance and insurance	430	441	388	377	339
Real estate and rental and leasing	331	345	321	322	325
Professional, scientific, and technical services	11,819	11,171	10,614	10,400	(D)
Management of companies and enterprises	(D)	(D)	(D)	(D)	(D)
Administrative and waste management services	(D)	(D)	(D)	(D)	1,341
Educational services	212	272	317	243	187
Health care and social assistance	1,032	1,062	1,021	999	1,004
Arts, entertainment, and recreation	301	314	289	279	303
Accommodation and food services	569	547	549	511	494
Other services, except public administration	506	494	527	552	567
Government and government enterprises	1,966	1,997	1,970	1,948	1,924
Federal, civilian	294	308	283	253	234
Military	53	52	52	49	48
State and local	1,619	1,637	1,635	1,646	1,642
State government	(D)	(D)	(D)	(D)	(D)
Local government	(D)	(D)	(D)	(D)	(D)
Total employment	19,703	19,240	18,522	18,239	18,452

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N

Table 5: New Mexico Employment by Industry 2011-2015

Number of jobs by industry	2011	2012	2013	2014	2015
By type					
Wage and salary employment	837,281	839,789	846,896	852,861	859,738
Proprietors employment	228,010	227,968	228,971	229,416	236,211
Farm proprietors employment	20,715	21,436	21,547	21,322	21,311
Nonfarm proprietors employment 2/	207,295	206,532	207,424	208,094	214,900
By industry					
Farm employment	27,323	28,370	29,218	28,111	28,772
Nonfarm employment	1,037,968	1,039,387	1,046,649	1,054,166	1,067,177
Private nonfarm employment	824,157	827,488	835,812	844,809	858,620
Forestry, fishing, and related activities	5,237	5,138	5,247	5,682	5,884
Mining	28,362	34,232	36,831	38,198	35,898
Utilities	4,554	4,583	4,667	4,591	4,573
Construction	59,382	58,032	59,248	59,713	60,555
Manufacturing	35,750	35,771	35,469	34,032	34,076
Wholesale trade	26,513	26,486	26,694	27,496	28,567
Retail trade	111,583	111,908	112,808	114,086	115,724
Transportation and warehousing	24,333	25,361	25,505	25,846	26,447
Information	16,508	16,473	16,059	15,723	16,006
Finance and insurance	35,632	35,138	34,903	34,602	34,612
Real estate and rental and leasing	39,760	38,275	38,513	39,253	40,479
Professional, scientific, and technical services	77,591	76,152	75,940	76,094	77,546
Management of companies and enterprises	5,491	5,449	5,503	5,632	5,814
Administrative and waste management services	54,746	53,440	54,622	54,418	54,184
Educational services	16,280	16,152	16,404	16,716	17,553
Health care and social assistance	121,675	123,264	123,782	124,943	129,672
Arts, entertainment, and recreation	23,142	23,722	23,743	24,052	24,885
Accommodation and food services	82,391	83,232	85,532	88,375	90,601
Other services, except public administration	55,227	54,680	54,342	55,357	55,544
Government and government enterprises	213,811	211,899	210,837	209,357	208,557
Federal, civilian	32,611	31,631	30,389	29,462	29,200
Military	18,057	18,178	18,350	17,518	16,917
State and local	163,143	162,090	162,098	162,377	162,440
State government	58,306	57,523	57,763	58,753	58,916
Local government	104,837	104,567	104,335	103,624	103,524
Total employment	1,065,291	1,067,757	1,075,867	1,082,277	1,095,949

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N

Table 6: United States Employment by Industry 2011-2015

Number of jobs by industry	2011	2012	2013	2014	2015
By type					
Wage and salary employment	137,105,000	139,721,000	142,015,000	144,811,000	147,634,000
Proprietors employment	39,173,700	39,360,700	40,393,100	41,357,100	42,561,400
Farm proprietors employment	1,876,000	1,844,000	1,856,000	1,842,000	1,825,000
Nonfarm proprietors employment 2/	37,297,700	37,516,700	38,537,100	39,515,100	40,736,400
By industry					
Farm employment	2,639,000	2,623,000	2,646,000	2,645,000	2,642,000
Nonfarm employment	173,639,700	176,458,700	179,762,100	183,523,100	187,553,400
Private nonfarm employment	149,350,700	152,356,700	155,708,100	159,476,100	163,411,400
Forestry, fishing, and related activities	860,600	886,400	911,100	943,000	962,000
Mining	1,244,000	1,551,200	1,606,000	1,593,500	1,504,600
Utilities	575,500	577,600	578,300	580,600	588,500
Construction	8,774,800	8,944,800	9,251,800	9,582,300	9,948,900
Manufacturing	12,385,700	12,605,200	12,760,200	12,905,600	13,091,200
Wholesale trade	6,160,300	6,243,500	6,345,100	6,574,900	6,785,600
Retail trade	17,954,300	18,085,800	18,383,100	18,744,100	19,149,000
Transportation and warehousing	5,684,800	5,872,400	6,020,800	6,273,400	6,605,300
Information	3,230,000	3,224,700	3,264,600	3,327,000	3,376,600
Finance and insurance	9,751,500	9,702,300	9,816,300	9,617,000	9,645,700
Real estate and rental and leasing	7,936,300	7,859,200	8,060,800	8,421,800	8,727,200
Professional, scientific, and technical services	11,970,100	12,211,200	12,549,300	12,867,700	13,242,900
Management of companies and enterprises	2,080,600	2,180,200	2,265,000	2,366,300	2,431,800
Administrative and waste management services	10,753,600	11,035,400	11,371,900	11,730,200	12,022,900
Educational services	4,122,600	4,198,200	4,329,100	4,488,100	4,662,000
Health care and social assistance	19,417,200	20,112,500	20,514,200	20,830,400	21,309,800
Arts, entertainment, and recreation	3,873,300	3,980,900	4,045,800	4,182,300	4,289,000
Accommodation and food services	12,343,400	12,670,500	13,105,200	13,560,900	14,032,200
Other services, except public administration	10,232,100	10,414,700	10,529,500	10,887,000	11,036,200
Government and government enterprises	24,289,000	24,102,000	24,054,000	24,047,000	24,142,000
Federal, civilian	2,918,000	2,875,000	2,825,000	2,793,000	2,811,000
Military	2,081,000	2,056,000	2,032,000	1,975,000	1,955,000
State and local	19,290,000	19,171,000	19,197,000	19,279,000	19,376,000
State government	5,266,000	5,254,000	5,262,000	5,278,000	5,297,000
Local government	14,024,000	13,917,000	13,935,000	14,001,000	14,079,000
Total employment	176,278,700	179,081,700	182,408,100	186,168,100	190,195,400

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N

Table 7: Los Alamos County, New Mexico and United States Percent of Employment by Industry 2015			
	United States	New Mexico	Los Alamos County
By type			
Wage and salary employment	77.62	78.45	89.46
Proprietors employment	22.38	21.55	10.54
Farm proprietors employment	0.96	1.94	0.00
Nonfarm proprietors employment	21.42	19.61	10.54
By industry			
Farm employment	1.39	2.63	0.00
Nonfarm employment	98.61	97.37	100.00
Private nonfarm employment	85.92	78.34	89.57
Forestry, fishing, and related activities	0.51	0.54	0.08
Mining	0.79	3.28	0.14
Utilities	0.31	0.42	N/A
Construction	5.23	5.53	1.64
Manufacturing	6.88	3.11	0.76
Wholesale trade	3.57	2.61	N/A
Retail trade	10.07	10.56	3.94
Transportation and warehousing	3.47	2.41	N/A
Information	1.78	1.46	0.57
Finance and insurance	5.07	3.16	1.84
Real estate and rental and leasing	4.59	3.69	1.76
Professional, scientific, and technical services	6.96	7.08	N/A
Management of companies and enterprises	1.28	0.53	N/A
Administrative and waste management services	6.32	4.94	7.27
Educational services	2.45	1.60	1.01
Health care and social assistance	11.20	11.83	5.44
Arts, entertainment, and recreation	2.26	2.27	1.64
Accommodation and food services	7.38	8.27	2.68
Other services, except public administration	5.80	5.07	3.07
Government and government enterprises	12.69	19.03	10.43
Federal, civilian	1.48	2.66	1.27
Military	1.03	1.54	0.26
State and local	10.19	14.82	8.90
State government	2.79	5.38	N/A
Local government	7.40	9.45	N/A
Total employment	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 8: Los Alamos County Percent of Employment by Sectors 2011-2015					
Description	2011	2012	2013	2014	2015
By type					
Wage and salary employment	89.96	89.89	89.83	89.71	89.46
Proprietors employment	10.04	10.11	10.17	10.29	10.54
Farm proprietors employment	0.00	0.00	0.00	0.00	0.00
Nonfarm proprietors employment	10.04	10.11	10.17	10.29	10.54
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	90.02	89.62	89.36	89.32	89.57
Forestry, fishing, and related activities	0.07	0.07	0.08	0.08	0.08
Mining	N/A	N/A	0.16	0.14	0.14
Utilities	N/A	N/A	N/A	N/A	N/A
Construction	1.48	1.66	1.52	1.44	1.64
Manufacturing	N/A	N/A	0.63	0.66	0.76
Wholesale trade	0.60	0.71	0.43	N/A	N/A
Retail trade	2.95	2.94	3.13	3.68	3.94
Transportation and warehousing	0.15	0.17	0.11	N/A	N/A
Information	0.64	0.60	0.56	0.56	0.57
Finance and insurance	2.18	2.29	2.09	2.07	1.84
Real estate and rental and leasing	1.68	1.79	1.73	1.77	1.76
Professional, scientific, and technical services	59.99	58.06	57.30	57.02	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	N/A	N/A	7.27
Educational services	1.08	1.41	1.71	1.33	1.01
Health care and social assistance	5.24	5.52	5.51	5.48	5.44
Arts, entertainment, and recreation	1.53	1.63	1.56	1.53	1.64
Accommodation and food services	2.89	2.84	2.96	2.80	2.68
Other services, except public administration	2.57	2.57	2.85	3.03	3.07
Government and government enterprises	9.98	10.38	10.64	10.68	10.43
Federal, civilian	1.49	1.60	1.53	1.39	1.27
Military	0.27	0.27	0.28	0.27	0.26
State and local	8.22	8.51	8.83	9.02	8.90
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 CA25N and author's calculation

Table 9: New Mexico Percent of Employment by Industry 2011 - 2015					
Description	2011	2012	2013	2014	2015
By type					
Wage and salary employment	78.60	78.65	78.72	78.80	78.45
Proprietors employment	21.40	21.35	21.28	21.20	21.55
Farm proprietors employment	1.94	2.01	2.00	1.97	1.94
Nonfarm proprietors employment	19.46	19.34	19.28	19.23	19.61
By industry					
Farm employment	2.56	2.66	2.72	2.60	2.63
Nonfarm employment	97.44	97.34	97.28	97.40	97.37
Private nonfarm employment	77.36	77.50	77.69	78.06	78.34
Forestry, fishing, and related activities	0.49	0.48	0.49	0.53	0.54
Mining	2.66	3.21	3.42	3.53	3.28
Utilities	0.43	0.43	0.43	0.42	0.42
Construction	5.57	5.43	5.51	5.52	5.53
Manufacturing	3.36	3.35	3.30	3.14	3.11
Wholesale trade	2.49	2.48	2.48	2.54	2.61
Retail trade	10.47	10.48	10.49	10.54	10.56
Transportation and warehousing	2.28	2.38	2.37	2.39	2.41
Information	1.55	1.54	1.49	1.45	1.46
Finance and insurance	3.34	3.29	3.24	3.20	3.16
Real estate and rental and leasing	3.73	3.58	3.58	3.63	3.69
Professional, scientific, and technical services	7.28	7.13	7.06	7.03	7.08
Management of companies and enterprises	0.52	0.51	0.51	0.52	0.53
Administrative and waste management services	5.14	5.00	5.08	5.03	4.94
Educational services	1.53	1.51	1.52	1.54	1.60
Health care and social assistance	11.42	11.54	11.51	11.54	11.83
Arts, entertainment, and recreation	2.17	2.22	2.21	2.22	2.27
Accommodation and food services	7.73	7.80	7.95	8.17	8.27
Other services, except public administration	5.18	5.12	5.05	5.11	5.07
Government and government enterprises	20.07	19.85	19.60	19.34	19.03
Federal, civilian	3.06	2.96	2.82	2.72	2.66
Military	1.70	1.70	1.71	1.62	1.54
State and local	15.31	15.18	15.07	15.00	14.82
State government	5.47	5.39	5.37	5.43	5.38
Local government	9.84	9.79	9.70	9.57	9.45
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's

Table 10: United States Percent of Employment by Industry 2011 - 2015					
Description	2011	2012	2013	2014	2015
By type					
Wage and salary employment	77.78	78.02	77.86	77.79	77.62
Proprietors employment	22.22	21.98	22.14	22.21	22.38
Farm proprietors employment	1.06	1.03	1.02	0.99	0.96
Nonfarm proprietors employment	21.16	20.95	21.13	21.23	21.42
By industry					
Farm employment	1.50	1.46	1.45	1.42	1.39
Nonfarm employment	98.50	98.54	98.55	98.58	98.61
Private nonfarm employment	84.72	85.08	85.36	85.66	85.92
Forestry, fishing, and related activities	0.49	0.49	0.50	0.51	0.51
Mining	0.71	0.87	0.88	0.86	0.79
Utilities	0.33	0.32	0.32	0.31	0.31
Construction	4.98	4.99	5.07	5.15	5.23
Manufacturing	7.03	7.04	7.00	6.93	6.88
Wholesale trade	3.49	3.49	3.48	3.53	3.57
Retail trade	10.19	10.10	10.08	10.07	10.07
Transportation and warehousing	3.22	3.28	3.30	3.37	3.47
Information	1.83	1.80	1.79	1.79	1.78
Finance and insurance	5.53	5.42	5.38	5.17	5.07
Real estate and rental and leasing	4.50	4.39	4.42	4.52	4.59
Professional, scientific, and technical services	6.79	6.82	6.88	6.91	6.96
Management of companies and enterprises	1.18	1.22	1.24	1.27	1.28
Administrative and waste management services	6.10	6.16	6.23	6.30	6.32
Educational services	2.34	2.34	2.37	2.41	2.45
Health care and social assistance	11.02	11.23	11.25	11.19	11.20
Arts, entertainment, and recreation	2.20	2.22	2.22	2.25	2.26
Accommodation and food services	7.00	7.08	7.18	7.28	7.38
Other services, except public administration	5.80	5.82	5.77	5.85	5.80
Government and government enterprises	13.78	13.46	13.19	12.92	12.69
Federal, civilian	1.66	1.61	1.55	1.50	1.48
Military	1.18	1.15	1.11	1.06	1.03
State and local	10.94	10.71	10.52	10.36	10.19
State government	2.99	2.93	2.88	2.84	2.79
Local government	7.96	7.77	7.64	7.52	7.40
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation