



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

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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 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>.

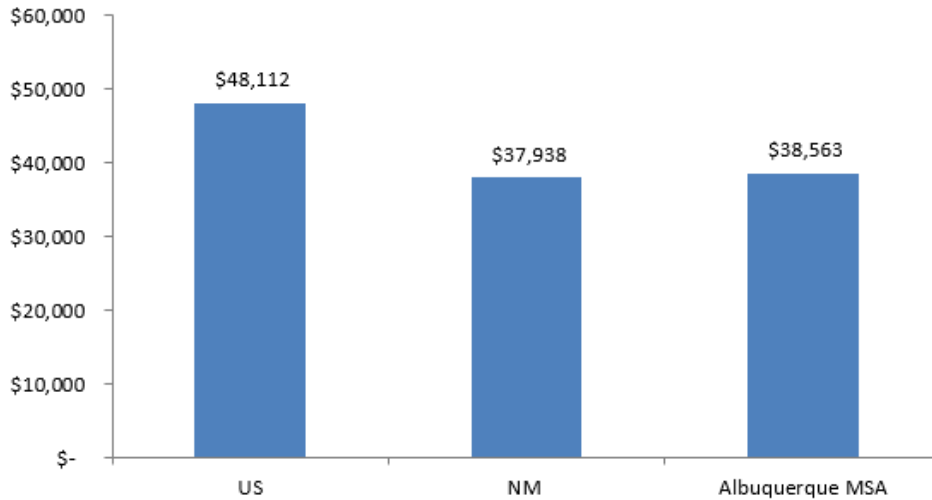
In this report, LQs are calculated for industries within Bernalillo County with national employment as basis for comparison (see Table 1). Additionally, LQs using employment for the state of New Mexico as benchmark are included (see Table 2). In this report, basic industries are identified using general 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 (2011-2015). 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.

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 2015 was 907,301 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 557,448 in 2015 as well as contained 61.44 percent of the Albuquerque MSA's population. The City of Albuquerque, the most populated city in the state, contained 26.73 percent of the state's population in 2015. Between 2011 and 2015, the Albuquerque MSA's population increased by 1.15 percent, while New Mexico's population increased by .33 percent and the nation's population increased by 3.11 percent.

Per capita personal income in the Albuquerque MSA in 2015 was \$38,563 (See Figure 1). The growth of per capita personal income in the Albuquerque MSA between 2011 and 2015 was 8.48 percent, lower than the growth in per capita personal income in New Mexico (9.24 percent) and the nation (13.33 percent).

Figure 1. Per Capita Personal Income: Albuquerque MSA (2015)



Albuquerque MSA's per capita income was 100.02 percent of the corresponding state figure (\$37,938), and 80.2 percent of the national average (\$48,112) (See Figure 2).

Figure 2 : Per Capita Income of Albuquerque MSA as a Percent of U.S. and New Mexico 2011-2015



Total employment in the Albuquerque MSA in 2015 was 490,780. Total employment in the Albuquerque MSA increased by 2.79 percent between 2011 and 2015—a rate of growth lower than that of the state which experienced an increase 2.88 percent and the nation, which experienced an increase of 7.89 percent. The Albuquerque MSA employment to population ratio was 0.54 in 2015, while New Mexico's employment to population ratio was 0.52 and the nation's ratio was 0.59.

The private sector employed 81.43 percent of all workers in the Albuquerque MSA in 2015, while government and government enterprises accounted for 17.70 percent, and farm employment accounted for 0.87 percent of the total. The industries with the highest percentages of total employment included: Retail trade (10.54 percent of total employment), and Construction (5.58 percent). State and Local government were the largest employers in the public sector, at 5.44 percent and 8.19 percent of total employment, respectively. Compared to Federal/civilian and military employment accounted for 2.92 percent and 1.15 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 2011 to 2015, 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 Professional and technical 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 Professional and technical services sector had an LQ of 1.28 in 2011 and 1.26 in 2012; however, the data for the sector was not disclosed from 2013 to 2015. The high LQs in the previous years are in part due to the large employment base of Sandia National Laboratory, a government-owned and contractor-operated technical laboratory located in southeast Albuquerque.

The Information sector should also be considered a basic economic industry in the Albuquerque MSA, with an LQ of 1.15 in 2014, with LQs greater than 1.15 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.

Accommodation and food services, with an LQ of 1.07 in 2011 and 1.08 in 2012 its LQs was considered a basic economic sector within the Albuquerque MSA in 2011 and 2012. These consistently high LQs reflect the large tourism base of Albuquerque and surrounding areas. However, the data was not disclosed from 2013 to 2015, therefore will not be considered a basic industry for 2015. Other sectors with LQs above 1.0 in 2015 include: Construction (1.07), and Retail trade (1.05). 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 2015, all of the government sector's LQs were substantially greater than 1.0. In 2015, military and federal/civilian employment had LQs of 1.12 and 1.97, 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 1.95 in 2015 and LQs exceeding 1.74 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 9,937 jobs in 2014. For 2015 the figure was not disclosed to avoid disclosure of confidential information.
2. Federal government employment, including 14,324 federal/civilian jobs and 5,640 military jobs and, accounted for a total of 19,964 jobs.
3. State government employment, accounted for 26,702 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 10.52 (490,780/ 46,666). This ratio suggests that the addition of each basic sector job in the Albuquerque MSA would be associated with an additional 10.52 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 (10.52) 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 2015 data. The Bureau of Economic Analysis (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 were accounted for in the 2015 Base Study Report revisions. Population in the Albuquerque MSA increased 0.29 percent from 904,720 in 2014 to 907,301 in 2015 (U.S Census Bureau, 2016). Per capita personal income increased by 4.38 percent from \$36,944 in 2014 to \$38,563 in 2015. The data for Professional, scientific, and technical services, and Accommodation and food services were not disclosed in 2015, so they were not considered basic industries for 2015.

Tables 1 to 6 appear on pages 7-16

Table 1: Albuquerque MSA Employment by Industry 2011-2015					
Number of jobs by industry	2011	2012	2013	2014	2015
By type					
Wage and salary employment	387050	386594	389084	392180	397311
Proprietors employment	90418	90347	90365	90708	93469
Farm proprietors employment	3445	3712	3729	3675	3671
Nonfarm proprietors employment 2/	86973	86635	86636	87033	89798
By industry					
Farm employment	3967	4283	4361	4233	4285
Nonfarm employment	473501	472658	475088	478655	486495
Private nonfarm employment	385231	385468	388291	392337	399638
Forestry, fishing, and related activities	(D)	(D)	(D)	579	(D)
Mining	1,554	2,058	(D)	2046	(D)
Utilities	875	(D)	(D)	(D)	(D)
Construction	26900	25965	26604	26921	27385
Manufacturing	19817	19981	19768	18846	18883
Wholesale trade	14078	14085	13965	14535	14850
Retail trade	49964	49826	50359	50981	51738
Transportation and warehousing	10,716	10,888	(D)	(D)	(D)
Information	10,282	10,572	10110	9937	(D)
Finance and insurance	19,332	19026	18736	18907	19182
Real estate and rental and leasing	19,658	19129	19139	19397	(D)
Professional, scientific, and technical serv	41,568	41,124	(D)	(D)	(D)
Management of companies and enterprise	3624	3601	3618	3674	3823
Administrative and waste management ser	31,623	30,651	(D)	(D)	(D)
Educational services	8994	8,608	(D)	9174	9579
Health care and social assistance	54467	53,481	(D)	57975	60032
Arts, entertainment, and recreation	9,851	10,560	(D)	(D)	(D)
Accommodation and food services	35,744	36,337	(D)	(D)	(D)
Other services, except public administrati	24444	24318	23992	24452	24432
Government and government enterprises	88270	87190	86797	86318	86857
Federal, civilian	15744	15234	14634	14310	14324
Military	6127	6182	6073	5755	5640
State and local	66399	65774	66090	66253	66893
State government	24795	24800	25280	25999	26702
Local government	41604	40974	40810	40254	40191
Total employment	477468	476941	479449	482888	490780

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

Table 2: Location Quotients for Albuquerque MSA (US Base) 2011-2015					
US Base	2011	2012	2013	2014	2015
By type					
Wage and salary employment	1.04	1.04	1.04	1.04	1.04
Proprietors employment	0.85	0.86	0.85	0.85	0.85
Farm proprietors employment	0.68	0.76	0.76	0.77	0.78
Nonfarm proprietors employment	0.86	0.87	0.86	0.85	0.85
By industry					
Farm employment	0.55	0.61	0.63	0.62	0.63
Nonfarm employment	1.01	1.01	1.01	1.01	1.01
Private nonfarm employment	0.95	0.95	0.95	0.95	0.95
Forestry, fishing, and related activities	N/A	N/A	N/A	0.24	N/A
Mining	0.46	0.50	N/A	0.50	N/A
Utilities	0.56	N/A	N/A	N/A	N/A
Construction	1.13	1.09	1.09	1.08	1.07
Manufacturing	0.59	0.60	0.59	0.56	0.56
Wholesale trade	0.84	0.85	0.84	0.85	0.85
Retail trade	1.03	1.03	1.04	1.05	1.05
Transportation and warehousing	0.70	0.70	N/A	N/A	N/A
Information	1.18	1.23	1.18	1.15	N/A
Finance and insurance	0.73	0.74	0.73	0.76	0.77
Real estate and rental and leasing	0.91	0.91	0.90	0.89	N/A
Professional, scientific, and technical services	1.28	1.26	N/A	N/A	N/A
Management of companies and enterprises	0.64	0.62	0.61	0.60	0.61
Administrative and waste management services	1.09	1.04	N/A	N/A	N/A
Educational services	0.81	0.77	N/A	0.79	0.80
Health care and social assistance	1.04	1.00	N/A	1.07	1.09
Arts, entertainment, and recreation	0.94	1.00	N/A	N/A	N/A
Accommodation and food services	1.07	1.08	N/A	N/A	N/A
Other services, except public administration	0.88	0.88	0.87	0.87	0.86
Government and government enterprises	1.34	1.36	1.37	1.38	1.39
Federal, civilian	1.99	1.99	1.97	1.98	1.97
Military	1.09	1.13	1.14	1.12	1.12
State and local	1.27	1.29	1.31	1.32	1.34
State government	1.74	1.77	1.83	1.90	1.95
Local government	1.10	1.11	1.11	1.11	1.11
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 3: Location Quotients for Albuquerque MSA (NM Base) 2011-2015					
	2011	2012	2013	2014	2015
NM Based					
By type					
Wage and salary employment	1.03	1.03	1.03	1.03	1.03
Proprietors employment	0.88	0.89	0.89	0.89	0.88
Farm proprietors employment	0.37	0.39	0.39	0.39	0.38
Nonfarm proprietors employment	0.94	0.94	0.94	0.94	0.93
By industry					
Farm employment	0.32	0.34	0.33	0.34	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	N/A	N/A	0.23	N/A
Mining	0.12	0.13	N/A	0.12	N/A
Utilities	0.43	N/A	N/A	N/A	N/A
Construction	1.01	1.00	1.01	1.01	1.01
Manufacturing	1.24	1.25	1.25	1.24	1.24
Wholesale trade	1.18	1.19	1.17	1.18	1.16
Retail trade	1.00	1.00	1.00	1.00	1.00
Transportation and warehousing	0.98	0.96	N/A	N/A	N/A
Information	1.39	1.44	1.41	1.42	N/A
Finance and insurance	1.21	1.21	1.20	1.22	1.24
Real estate and rental and leasing	1.10	1.12	1.12	1.11	N/A
Professional, scientific, and technical services	1.20	1.21	N/A	N/A	N/A
Management of companies and enterprises	1.47	1.48	1.48	1.46	1.47
Administrative and waste management services	1.29	1.28	N/A	N/A	N/A
Educational services	1.23	1.19	N/A	1.23	1.22
Health care and social assistance	1.00	0.97	N/A	1.04	1.03
Arts, entertainment, and recreation	0.95	1.00	N/A	N/A	N/A
Accommodation and food services	0.97	0.98	N/A	N/A	N/A
Other services, except public administration	0.99	1.00	0.99	0.99	0.98
Government and government enterprises	0.92	0.92	0.92	0.92	0.93
Federal, civilian	1.08	1.08	1.08	1.09	1.10
Military	0.76	0.76	0.74	0.74	0.74
State and local	0.91	0.91	0.91	0.91	0.92
State government	0.95	0.97	0.98	0.99	1.01
Local government	0.89	0.88	0.88	0.87	0.87
Total employment	1.0	1.0	1.0	1.00	1.00

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

Table 4: Albuquerque MSA, Total Employment by Industry 2015		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	397,311	80.96
Proprietors employment	93,469	19.04
Farm proprietors employment	3,671	0.75
Nonfarm proprietors employment	89,798	18.30
By industry		
Farm employment	4,285	0.87
Nonfarm employment	486,495	99.13
Private nonfarm employment	399,638	81.43
Forestry, fishing, and related activities	(D)	N/A
Mining	(D)	N/A
Utilities	(D)	N/A
Construction	27,385	5.58
Manufacturing	18,883	3.85
Wholesale trade	14,850	3.03
Retail trade	51,738	10.54
Transportation and warehousing	(D)	N/A
Information	(D)	N/A
Finance and insurance	19,182	3.91
Real estate and rental and leasing	(D)	N/A
Professional, scientific, and technical services	(D)	N/A
Management of companies and enterprises	3,823	0.78
Administrative and waste management services	(D)	N/A
Educational services	9,579	1.95
Health care and social assistance	60,032	12.23
Arts, entertainment, and recreation	(D)	N/A
Accommodation and food services	(D)	N/A
Other services, except public administration	24,432	4.98
Government and government enterprises	86,857	17.70
Federal, civilian	14,324	2.92
Military	5,640	1.15
State and local	66,893	13.63
State government	26,702	5.44
Local government	40,191	8.19
Total employment	490,780	100.00

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

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	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: Albuquerque MSA, New Mexico and United States Percent of Employment by Industry 2015			
	United States	New Mexico	Albuquerque MSA
By type			
Wage and salary employment	77.62	78.45	80.96
Proprietors employment	22.38	21.55	19.04
Farm proprietors employment	0.96	1.94	0.75
Nonfarm proprietors employment	21.42	19.61	18.30
By industry	0.00	0.00	0.00
Farm employment	1.39	2.63	0.87
Nonfarm employment	98.61	97.37	99.13
Private nonfarm employment	85.92	78.34	81.43
Forestry, fishing, and related activities	0.51	0.54	N/A
Mining	0.79	3.28	N/A
Utilities	0.31	0.42	N/A
Construction	5.23	5.53	5.58
Manufacturing	6.88	3.11	3.85
Wholesale trade	3.57	2.61	3.03
Retail trade	10.07	10.56	10.54
Transportation and warehousing	3.47	2.41	N/A
Information	1.78	1.46	N/A
Finance and insurance	5.07	3.16	3.91
Real estate and rental and leasing	4.59	3.69	N/A
Professional, scientific, and technical services	6.96	7.08	N/A
Management of companies and enterprises	1.28	0.53	0.78
Administrative and waste management services	6.32	4.94	N/A
Educational services	2.45	1.60	1.95
Health care and social assistance	11.20	11.83	12.23
Arts, entertainment, and recreation	2.26	2.27	N/A
Accommodation and food services	7.38	8.27	N/A
Other services, except public administration	5.80	5.07	4.98
Government and government enterprises	12.69	19.03	17.70
Federal, civilian	1.48	2.66	2.92
Military	1.03	1.54	1.15
State and local	10.19	14.82	13.63
State government	2.79	5.38	5.44
Local government	7.40	9.45	8.19
Total employment	100.00	100.00	100.00

Table 8: Albuquerque MSA Percent of Employment by Sectors 2011-2015					
Description	2011	2012	2013	2014	2015
By type					
Wage and salary employment	81.06	81.06	81.15	81.22	80.96
Proprietors employment	18.94	18.94	18.85	18.78	19.04
Farm proprietors employment	0.72	0.78	0.78	0.76	0.75
Nonfarm proprietors employment	18.22	18.16	18.07	18.02	18.30
By industry					
Farm employment	0.83	0.90	0.91	0.88	0.87
Nonfarm employment	99.17	99.10	99.09	99.12	99.13
Private nonfarm employment	80.68	80.82	80.99	81.25	81.43
Forestry, fishing, and related activities	N/A	N/A	N/A	0.12	N/A
Mining	0.33	0.43	N/A	0.42	N/A
Utilities	0.18	N/A	N/A	N/A	N/A
Construction	5.63	5.44	5.55	5.57	5.58
Manufacturing	4.15	4.19	4.12	3.90	3.85
Wholesale trade	2.95	2.95	2.91	3.01	3.03
Retail trade	10.46	10.45	10.50	10.56	10.54
Transportation and warehousing	2.24	2.28	N/A	N/A	N/A
Information	2.15	2.22	2.11	2.06	N/A
Finance and insurance	4.05	3.99	3.91	3.92	3.91
Real estate and rental and leasing	4.12	4.01	3.99	4.02	N/A
Professional, scientific, and technical services	8.71	8.62	N/A	N/A	N/A
Management of companies and enterprises	0.76	0.76	0.75	0.76	0.78
Administrative and waste management services	6.62	6.43	N/A	N/A	N/A
Educational services	1.88	1.80	N/A	1.90	1.95
Health care and social assistance	11.41	11.21	N/A	12.01	12.23
Arts, entertainment, and recreation	2.06	2.21	N/A	N/A	N/A
Accommodation and food services	7.49	7.62	N/A	N/A	N/A
Other services, except public administration	5.12	5.10	5.00	5.06	4.98
Government and government enterprises	18.49	18.28	18.10	17.88	17.70
Federal, civilian	3.30	3.19	3.05	2.96	2.92
Military	1.28	1.30	1.27	1.19	1.15
State and local	13.91	13.79	13.78	13.72	13.63
State government	5.19	5.20	5.27	5.38	5.44
Local government	8.71	8.59	8.51	8.34	8.19
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