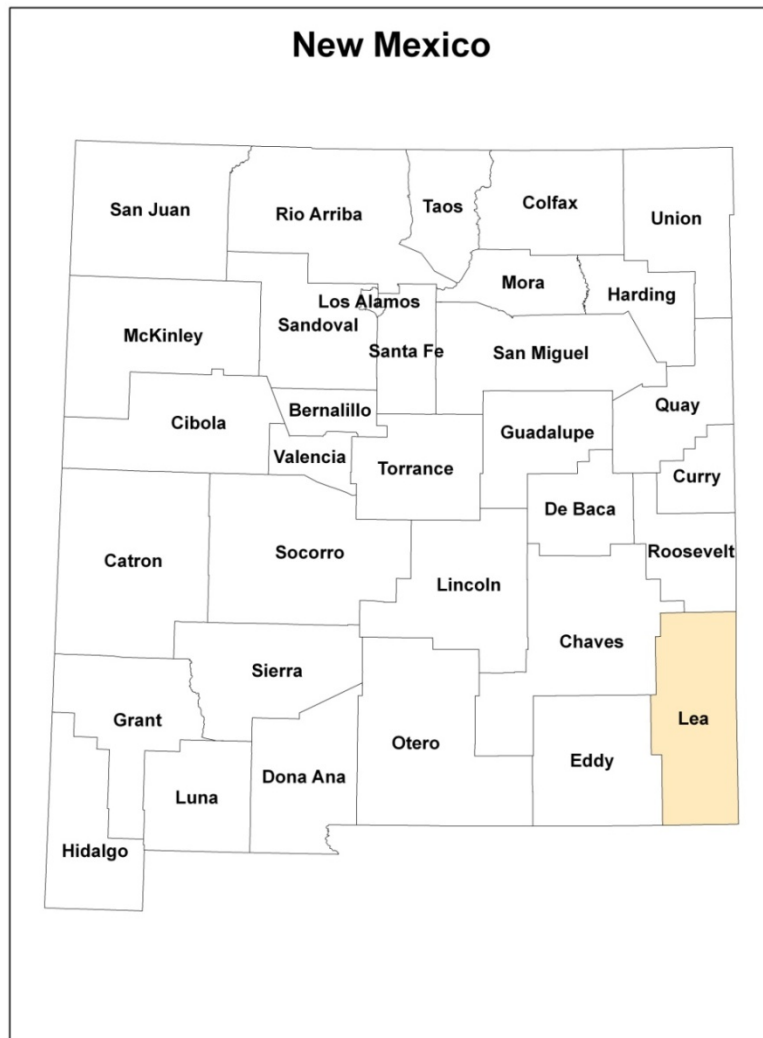




The Economic Base of Lea County, NM

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Introduction

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

The reports have been prepared under the direction of James Peach. Erin Sumner and Theophilus Djaba, graduate students in the NMSU Doctorate 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 the 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 to 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 economic base theory also suggests that economic growth depends on sectors that export goods and services out of the region (basic industries), as opposed to those businesses whose services remain local (non-basic industries). Basic industries promote local economic growth by bringing jobs and income into the local economy. Non-basic industries serve local residents and provide support to basic industries.

An industry classified as basic in one region may be identified as non-basic in another region. One common means of identifying local basic activity is through the use of location quotients (LQs). LQs

are calculated as a single industry's percent of total local employment divided by that industry's percent of total state or national employment. For example, an LQ for a single New Mexico industry (industry j) may be calculated as follows:

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

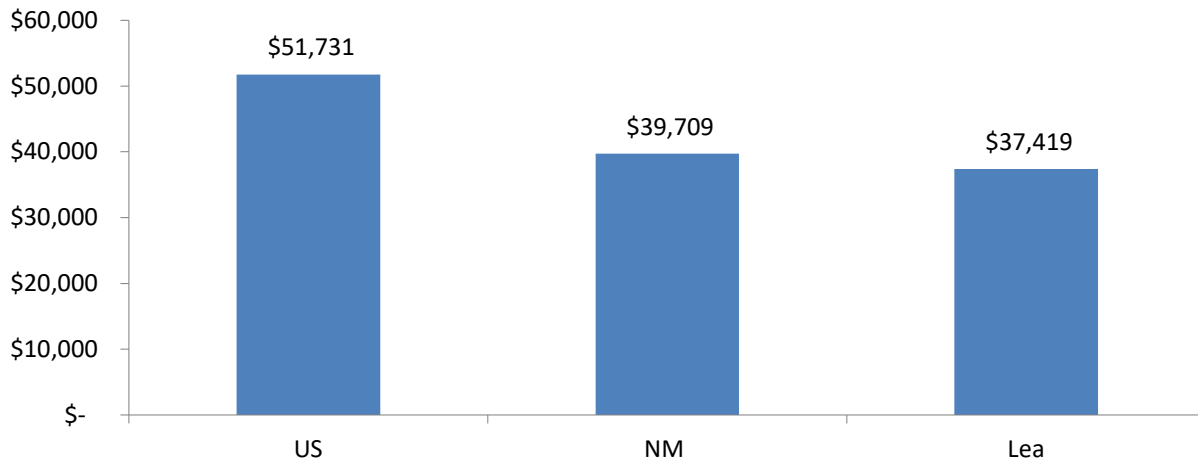
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, as the state or national economy. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national level. Conversely, an 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 and analyzed for the industries within Lea County with national employment as the basis for comparison (see Table 1). Additionally, LQs using employment for the state of New Mexico as the benchmark are included (see Table 2). For the purposes of 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 are available and the four years preceding (2013-2017). The economic data used in this report are from the U.S. Department of Commerce, Bureau of Economic Analysis (BEA) which can be found at www.bea.gov.

Lea County, New Mexico

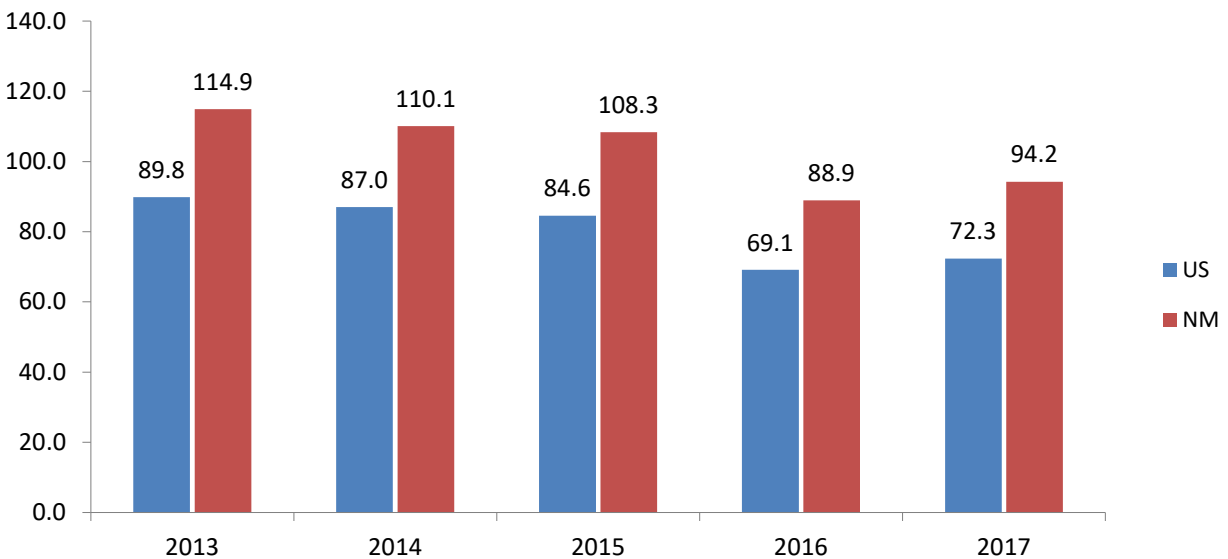
Lea County is located in the southeastern corner of New Mexico and encompasses 4,390.93 square miles of land, or 3.62 percent of the total land area in New Mexico. The population of Lea County in 2017 was of 68,759, or 3.28 percent of the state total, ranking 8th in the state in terms of population. Between 2013 and 2017, the population of Lea County increased by 0.86 percent. The City of Hobbs, with a population of 37,764 in 2017, represented 54.92 percent of the total population of Lea County (U.S Census Bureau, 2018). During the period between 2013 and 2017, 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: Lea (2017)



Per capita personal income for Lea County in 2017 was \$37,419, ranking 15th in the state in terms of per capita income. Per capita personal income for Lea County was 94.23 percent of the corresponding state figure (\$39,709) and 72.33 percent of the national average (\$51,731), (See Figures 1 and 2). Between 2013 and 2017, the per capita income in Lea County declined by 7.13 percent, substantially lower than the state’s percentage growth (13.21) as well as the nation’s growth rate (15.34) for the same period.

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



Total employment in Lea County in 2017 was 37,787, with a decrease of 5.79 percent from 2013 to 2017, compared to the increase of 2.08 percent for the state and an increase of 7.57 percent for the

nation. In 2017, Lea County's employment to population ratio was 0.55, compared to the state (0.52) and the nation (0.60).

In 2017, 87.66 percent of all workers in Lea County were employed in the Private sector, while 10.42 percent were employed in Government and government enterprises, and 1.92 percent were employed in Farm employment. Within the Private sector, the industries with the highest percentage of total employment included: Mining (23.36 percent), Retail trade (9.91), and Construction (8.41). From the public sector, Local government was the largest employer with 9.01 percent of total employment. Federal/civilian, Military, and State employment each accounted for less than 1.0 percent of total employment. Employment for Lea County by sector is displayed in Table 3.

Basic and Non-Basic Industries in Lea County, New Mexico

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

The pronounced importance of Mining within the private sector is represented by the highest LQ for Lea County of 30.32 in 2017. The mining sector has historically been an important economic sector for Lea County with LQs greater than 28.88 for all years considered. The mining industry in Lea County includes potash, oil, and natural gas extraction; mining is classified here as a basic economic activity for the county.

For 2017, all other industries in Lea County have relative low LQs compared to its LQ for mining. Farm employment, with an LQ of 1.43 is to be considered a basic industry for Lea County. LQs for farm employment in Lea County have exceeded 1.17 in all years considered. Retail trade had an LQ of 1.01 in 2017. This can be considered a basic industry in Lea County. Accommodation and Food Services had an LQ of 1.11 in 2017, which was also a basic industry. Transportation and warehousing (1.31) is also to be considered a basic industry for Lea County. Other industries with LQs above 1.0 include Utilities (2.82) and Construction (1.55). However, the later industries are considered as non-basic industries for Lea County.

Government and government enterprises is the aggregate figure of all government levels listed as government categories. For all years considered, the only government sector with an LQ greater than 1.0 was Local government (1.24). However, Local government is generally categorized as non-basic

given that all local governments collect taxes from residents to provide for the services to the community, including employment. Following this practice, local government for Lea County is considered a non-basic industry.

In brief, the data and analysis suggest that in 2017, the following industries should be considered basic industries in Lea County:

1. Mining, accounting for 8,827 jobs.
2. Farm employment, accounting for 727 jobs.
3. Retail Trade, accounting for 3,746 jobs.
4. Accommodation and Food Services, accounting for 3,145 jobs.
5. Transportation and warehousing, accounting for 1,938 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 the case of Lea County, the multiplier is equal to 2.06 (37,787/18,383). This ratio suggests that the addition of each basic sector job in Lea County would be associated with additional 2.06 non-basic sector jobs. The export base multiplier (2.06) calculated above reinforces the importance of basic (exporting) industries to the economy of Lea 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. In the case of Lea County, potential double counting occupation may result in an upward bias of the multiplier given that farm proprietors often have more than one occupation.

Local economic development policy actions such as the creation of industrial parks, tax abatement and financing, and workforce development projects are often used by local communities to expand an area's economic base. The development of a community economic development plan often includes appropriate combination of policies, which 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 for population data. Between 2016 and 2017, the population of Lea decreased by 1.56 percent, from 69,850 in 2016 to 68,759 in 2017. Total employment increased from 2016 to 2017 by 2.85 percent or 1,047 jobs. Per capita income in Lea County increased from \$34,494 in 2016 to \$37,419 in 2017, an increase of 8.48 percent.

Tables 1 to 10 appear on pages 6-15

Table 1: Location Quotients for Lea County (US Base) 2013-2017					
US Base	2013	2014	2015	2016	2017
By type					
Wage and salary employment	1.07	1.08	1.06	1.04	1.04
Proprietors employment	0.77	0.73	0.78	0.87	0.87
Farm proprietors employment	0.98	0.96	1.05	1.17	1.17
Nonfarm proprietors employment	0.76	0.72	0.76	0.86	0.86
By industry					
Farm employment	1.26	1.17	1.31	1.54	1.43
Nonfarm employment	1.00	1.00	1.00	0.99	0.99
Private nonfarm employment	1.04	1.04	1.03	1.01	1.02
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	28.95	30.98	30.62	28.88	30.32
Utilities	2.70	2.67	2.84	3.24	2.82
Construction	1.81	1.81	1.55	1.51	1.55
Manufacturing	0.41	0.38	0.38	0.34	0.32
Wholesale trade	0.86	0.80	0.77	0.80	0.80
Retail trade	0.90	0.92	0.98	1.04	1.01
Transportation and warehousing	1.61	1.66	1.61	1.32	1.31
Information	0.50	0.43	0.41	0.43	0.41
Finance and insurance	0.39	0.39	0.41	0.45	0.44
Real estate and rental and leasing	0.63	0.60	0.58	0.60	0.59
Professional, scientific, and technical services	0.37	0.36	0.34	0.35	0.34
Management of companies and enterprises	0.30	0.29	0.31	0.36	0.35
Administrative and waste management services	0.72	0.66	0.67	0.67	0.69
Educational services	N/A	N/A	N/A	0.26	0.26
Health care and social assistance	N/A	N/A	0.61	0.69	0.63
Arts, entertainment, and recreation	0.57	0.53	0.58	N/A	N/A
Accommodation and food services	0.88	0.88	0.96	1.13	1.11
Other services, except public administration	0.82	0.83	0.88	0.90	0.91
Government and government enterprises	0.71	0.71	0.76	0.86	0.84
Federal, civilian	0.14	0.14	0.14	0.17	0.16
Military	0.41	0.40	0.43	0.48	0.47
State and local	0.83	0.83	0.88	1.00	0.97
State government	0.23	0.23	0.24	0.26	0.26
Local government	1.05	1.06	1.13	1.28	1.24
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 Lea County (NM Base) 2013-2017					
	2013	2014	2015	2016	2017
NM Based					
By type					
Wage and salary employment	1.05	1.06	1.05	1.02	1.02
Proprietors employment	0.80	0.76	0.82	0.93	0.92
Farm proprietors employment	0.50	0.48	0.51	0.57	0.55
Nonfarm proprietors employment	0.83	0.79	0.85	0.97	0.96
By industry					
Farm employment	0.68	0.64	0.69	0.77	0.74
Nonfarm employment	1.01	1.01	1.01	1.01	1.01
Private nonfarm employment	1.14	1.14	1.13	1.11	1.12
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	7.45	7.53	7.45	7.45	7.60
Utilities	1.98	1.96	2.08	2.32	2.06
Construction	1.67	1.69	1.46	1.47	1.47
Manufacturing	0.88	0.83	0.83	0.77	0.71
Wholesale trade	1.20	1.09	1.05	1.15	1.17
Retail trade	0.86	0.88	0.94	1.00	0.98
Transportation and warehousing	2.23	2.34	2.35	2.07	2.08
Information	0.60	0.53	0.50	0.51	0.51
Finance and insurance	0.64	0.62	0.67	0.73	0.71
Real estate and rental and leasing	0.79	0.75	0.73	0.75	0.74
Professional, scientific, and technical services	0.36	0.35	0.33	0.35	0.33
Management of companies and enterprises	0.73	0.70	0.74	0.84	0.81
Administrative and waste management services	0.89	0.83	0.86	0.84	0.84
Educational services	N/A	N/A	N/A	0.40	0.40
Health care and social assistance	N/A	N/A	0.58	0.63	0.58
Arts, entertainment, and recreation	0.57	0.54	0.58	N/A	N/A
Accommodation and food services	0.80	0.79	0.85	0.99	0.98
Other services, except public administration	0.94	0.95	1.01	1.02	1.02
Government and government enterprises	0.48	0.48	0.51	0.57	0.55
Federal, civilian	0.08	0.08	0.08	0.09	0.09
Military	0.27	0.26	0.29	0.30	0.29
State and local	0.58	0.57	0.61	0.68	0.67
State government	0.13	0.12	0.13	0.13	0.14
Local government	0.83	0.83	0.88	0.99	0.97
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: Lea County Total Employment by Industry 2017		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	30337	80.28
Proprietors employment	7450	19.72
Farm proprietors employment	408	1.08
Nonfarm proprietors employment	7042	18.64
By industry		
Farm employment	727	1.92
Nonfarm employment	37060	98.08
Private nonfarm employment	33123	87.66
Forestry, fishing, and related activities	N/A	N/A
Mining	8827	23.36
Utilities	361	0.96
Construction	3179	8.41
Manufacturing	809	2.14
Wholesale trade	1003	2.65
Retail trade	3746	9.91
Transportation and warehousing	1938	5.13
Information	268	0.71
Finance and insurance	897	2.37
Real estate and rental and leasing	1035	2.74
Professional, scientific, and technical services	905	2.40
Management of companies and enterprises	179	0.47
Administrative and waste management services	1607	4.25
Educational services	232	0.61
Health care and social assistance	2689	7.12
Arts, entertainment, and recreation	N/A	N/A
Accommodation and food services	3145	8.32
Other services, except public administration	1948	5.16
Government and government enterprises	3937	10.42
Federal, civilian	89	0.24
Military	173	0.46
State and local	3675	9.73
State government	271	0.72
Local government	3404	9.01
Total employment	37,787	100.00

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

Table 4: Lea County Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	33296	34948	33389	29515	30337
Proprietors employment	6814	6777	7045	7225	7450
Farm proprietors employment	399	398	407	405	408
Nonfarm proprietors employment 2/	6415	6379	6638	6820	7042
By industry					
Farm employment	736	696	735	772	727
Nonfarm employment	39374	41029	39699	35968	37060
Private nonfarm employment	35610	37192	35792	31992	33123
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	10235	11087	10106	7969	8827
Utilities	344	347	360	383	361
Construction	3685	3883	3236	2958	3179
Manufacturing	1159	1089	1050	855	809
Wholesale trade	1198	1210	1112	978	1003
Retail trade	3636	3859	3990	3812	3746
Transportation and warehousing	2125	2336	2369	1853	1938
Information	362	322	286	277	268
Finance and insurance	839	837	855	879	897
Real estate and rental and leasing	1125	1130	1065	1006	1035
Professional, scientific, and technical services	1011	1025	950	903	905
Management of companies and enterprises	150	152	162	180	179
Administrative and waste management services	1804	1734	1683	1526	1607
Educational services	N/A	N/A	N/A	231	232
Health care and social assistance	N/A	N/A	2764	2851	2689
Arts, entertainment, and recreation	504	502	521	N/A	N/A
Accommodation and food services	2547	2672	2854	3091	3145
Other services, except public administration	1892	2017	2089	1894	1948
Government and government enterprises	3764	3837	3907	3976	3937
Federal, civilian	88	86	86	91	89
Military	183	175	180	176	173
State and local	3493	3576	3641	3709	3675
State government	271	276	275	266	271
Local government	3222	3300	3366	3443	3404
Total employment	40,110	41,725	40,434	36,740	37,787

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: Lea County, New Mexico and United States Percent of Employment by Industry 2017			
	United States	New Mexico	Lea County
By type			
Wage and salary employment	77.41	78.54	80.28
Proprietors employment	22.59	21.46	19.72
Farm proprietors employment	0.92	1.95	1.08
Nonfarm proprietors employment	21.67	19.51	18.64
By industry			
Farm employment	1.34	2.61	1.92
Nonfarm employment	98.66	97.39	98.08
Private nonfarm employment	86.22	78.60	87.66
Forestry, fishing, and related activities	0.47	0.52	N/A
Mining	0.77	3.07	23.36
Utilities	0.34	0.46	0.96
Construction	5.42	5.70	8.41
Manufacturing	6.78	3.03	2.14
Wholesale trade	3.30	2.27	2.65
Retail trade	9.80	10.15	9.91
Transportation and warehousing	3.91	2.46	5.13
Information	1.73	1.40	0.71
Finance and insurance	5.36	3.35	2.37
Real estate and rental and leasing	4.64	3.70	2.74
Professional, scientific, and technical services	7.00	7.25	2.40
Management of companies and enterprises	1.36	0.59	0.47
Administrative and waste management services	6.16	5.04	4.25
Educational services	2.39	1.55	0.61
Health care and social assistance	11.32	12.27	7.12
Arts, entertainment, and recreation	2.27	2.26	N/A
Accommodation and food services	7.49	8.47	8.32
Other services, except public administration	5.69	5.05	5.16
Government and government enterprises	12.44	18.79	10.42
Federal, civilian	1.46	2.67	0.24
Military	0.98	1.58	0.46
State and local	10.00	14.54	9.73
State government	2.74	5.25	0.72
Local government	7.27	9.29	9.01
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: Lea County Percent of Employment by Sectors 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	83.01	83.76	82.58	80.33	80.28
Proprietors employment	16.99	16.24	17.42	19.67	19.72
Farm proprietors employment	0.99	0.95	1.01	1.10	1.08
Nonfarm proprietors employment	15.99	15.29	16.42	18.56	18.64
By industry					
Farm employment	1.83	1.67	1.82	2.10	1.92
Nonfarm employment	98.17	98.33	98.18	97.90	98.08
Private nonfarm employment	88.78	89.14	88.52	87.08	87.66
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	25.52	26.57	24.99	21.69	23.36
Utilities	0.86	0.83	0.89	1.04	0.96
Construction	9.19	9.31	8.00	8.05	8.41
Manufacturing	2.89	2.61	2.60	2.33	2.14
Wholesale trade	2.99	2.90	2.75	2.66	2.65
Retail trade	9.07	9.25	9.87	10.38	9.91
Transportation and warehousing	5.30	5.60	5.86	5.04	5.13
Information	0.90	0.77	0.71	0.75	0.71
Finance and insurance	2.09	2.01	2.11	2.39	2.37
Real estate and rental and leasing	2.80	2.71	2.63	2.74	2.74
Professional, scientific, and technical services	2.52	2.46	2.35	2.46	2.40
Management of companies and enterprises	0.37	0.36	0.40	0.49	0.47
Administrative and waste management services	4.50	4.16	4.16	4.15	4.25
Educational services	N/A	N/A	N/A	0.63	0.61
Health care and social assistance	N/A	N/A	6.84	7.76	7.12
Arts, entertainment, and recreation	1.26	1.20	1.29	N/A	N/A
Accommodation and food services	6.35	6.40	7.06	8.41	8.32
Other services, except public administration	4.72	4.83	5.17	5.16	5.16
Government and government enterprises	9.38	9.20	9.66	10.82	10.42
Federal, civilian	0.22	0.21	0.21	0.25	0.24
Military	0.46	0.42	0.45	0.48	0.46
State and local	8.71	8.57	9.00	10.10	9.73
State government	0.68	0.66	0.68	0.72	0.72
Local government	8.03	7.91	8.32	9.37	9.01
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	100.0	100.0	100.0	100.0	100.0

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