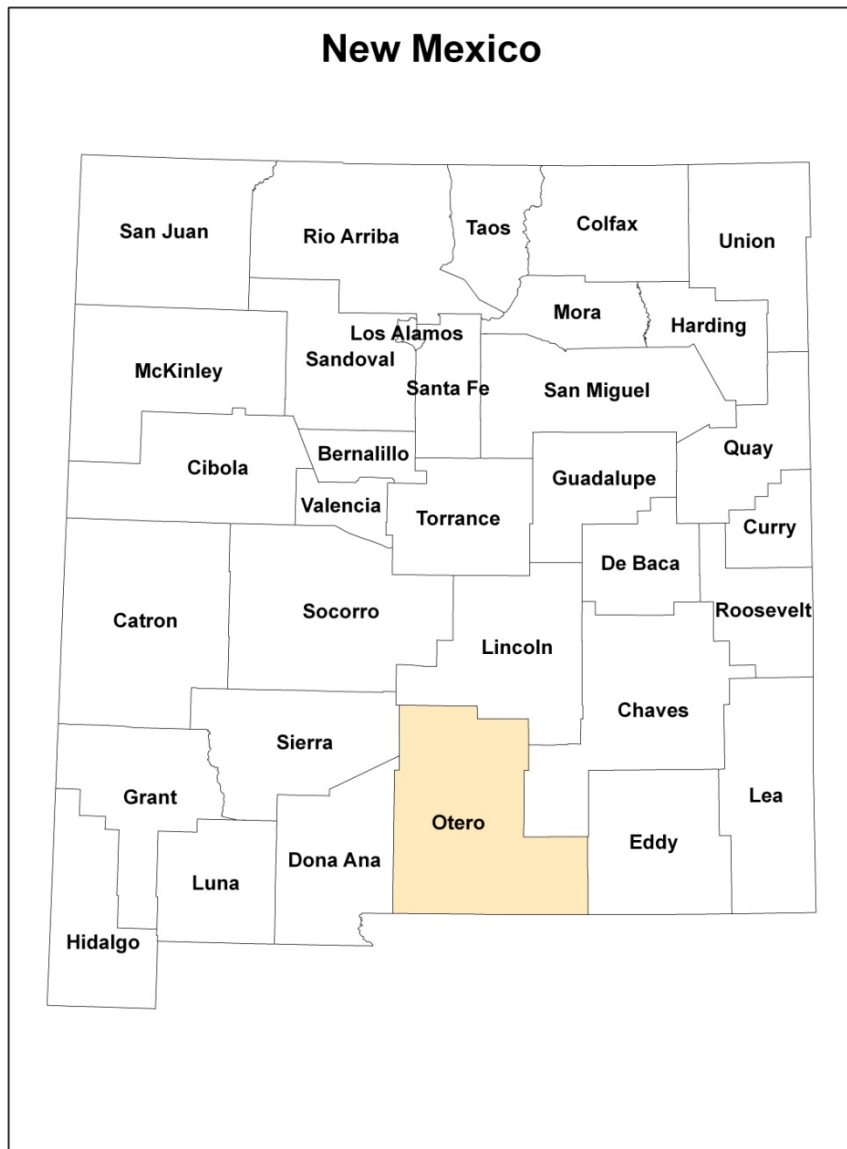




The Economic Base of Otero County, NM

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

DATE: July 2019



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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. Theophilus Djava and Erin Sumner, graduate students in the NMSU Doctorate of Economic Development program, did much of the work on the updates. Comments and suggestions are welcome and are to be sent to jpeach@nmsu.edu. 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, an LQ for a single New Mexico industry (industry j) may be calculated as follows:

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

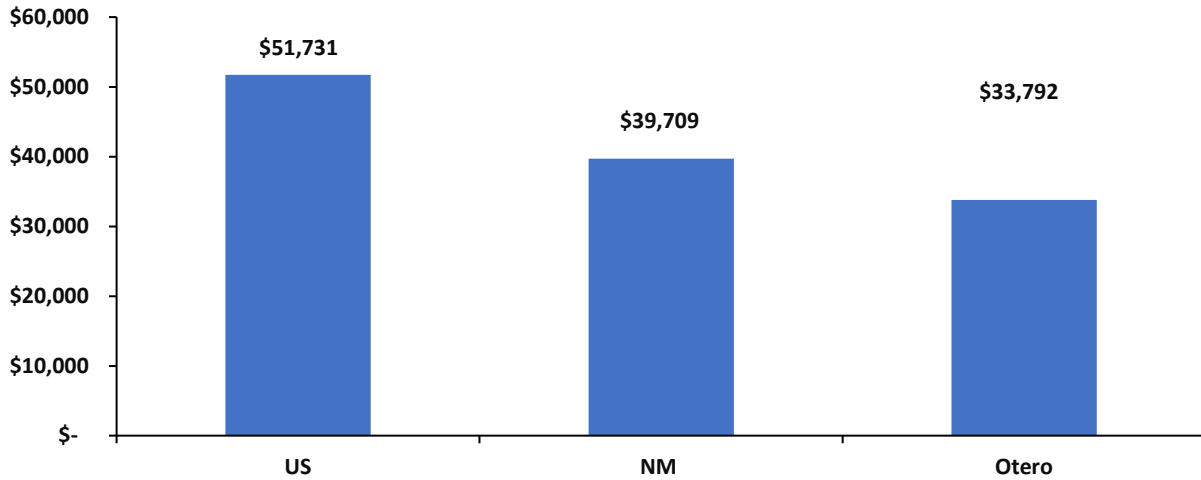
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national level. Conversely, 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 for industries within Otero County with the 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). In this report, basic industries are identified utilizing general knowledge about the structure of the local economy combined with LQs greater than 1.0. LQs are described for the most recent year for which data were available and for the four preceding years (2013-2017). The 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.

Otero County, New Mexico

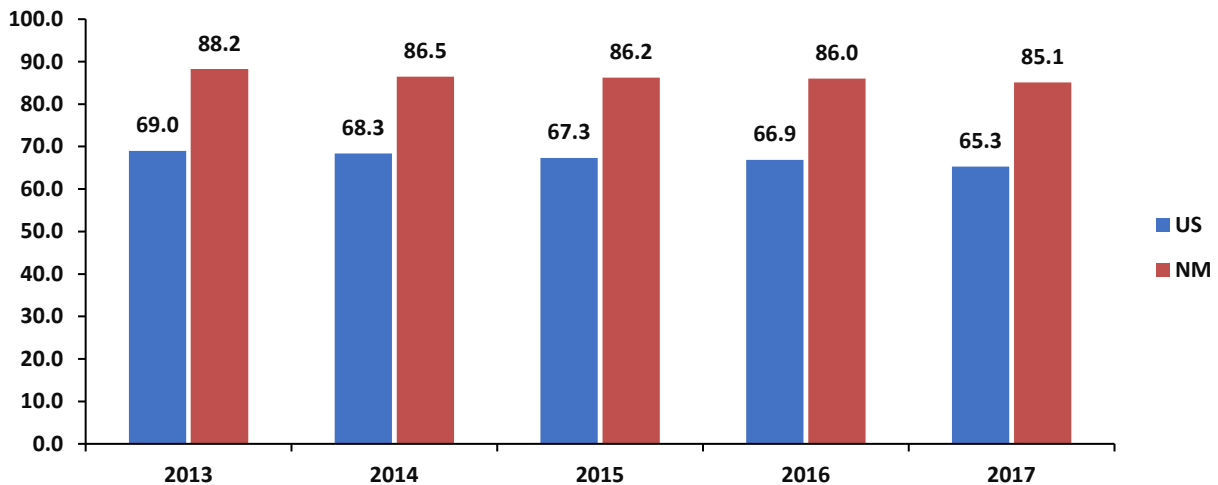
Otero County is located in south central New Mexico and is the 3rd largest county in terms of land area in the state, with 6,613.21 square miles. Otero County represents 5.45 percent of the land area in the state of New Mexico. The population of Otero County in 2017 was 65,817, 3.14 percent of the state total, and ranked 9th in the state in terms of population. Alamogordo, with a population of 31,248 in 2017, represented 47.48 percent of the total population for Otero County. Between 2013 and 2017, the population of Otero County increased by 0.21 percent. During the same period, New Mexico's population increased by 0.03 percent and the United States' population increased by 2.88 percent.

Figure 1. Per Capita Personal Income: Otero County (2017)



Per capita income for Otero County in 2017 was \$33,792, ranking 22nd in the state in terms of per capita income. Per capita income for Otero County in 2017 was 85.10 percent of the state average (\$39,709) and 65.32 percent of the national average (\$51,731) (See Figures 1 and 2). The percent growth of per capita income in Otero County between 2013 and 2017 of 9.19 percent was significantly less than the state (13.21 percent) and the nation (15.34 percent).

Figure 2. Per Capita Personal Income of Otero County as a Percent of U.S. and New Mexico 2013-2017



Total employment in Otero County was 28,319 in 2017. Between 2013 and 2017, total employment in Otero County decreased by 0.16 percent, compared to the statewide and nationwide employment increase of 2.08 percent and 7.57 percent, respectively. Otero County's employment-to-

population ratio was 0.43 compared to the state ratio (0.52) and the national ratio (0.60). This ratio represents a low rate of the population being employed.

In 2017, 61.30 of all workers in Otero County were employed in the Private sector, while 1.86 percent worked in Farm employment, and 36.84 percent were employed in Government and government enterprises. Within the private sector, the industries with the highest percentages of total employment included: Retail trade (10.60 percent), Health care and social assistance (10.84), Accommodation and food service (6.39), Administrative and waste management services (5.94), and Construction (5.79). In the public sector, Military and Local government were the largest employers. Military employed 14.71 percent of the total employment and Local Government employed 13.27 percent of total employment. Federal/civilian employed 6.07 percent and State government employed 2.78 percent. Employment for Otero County by sector is displayed in Table 3.

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

Table 1 contains LQs for Otero County from 2013 to 2017 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Otero 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 great relevance of the government sector to the economic base of Otero County is evident by its LQs above 1.0 for all sectors except the state government. Government and government enterprises are the aggregate figure of all government levels listed as government categories. Military had an LQ of 14.96 in 2017 and LQs exceeding 13.70 for all years considered. This reflects the large employment base at Holloman Air Force Base located outside of Alamogordo. Federal/civilian government had an LQ of 4.17 in 2017. The majority of these jobs are also related to Holloman Air Force Base. Federal government, including Military and Federal/civilian employment, are considered as a basic industry in Otero County for 2017. State government had an LQ of 1.02; this sector will be considered a basic industry for Otero County in 2017. Local government employment in Otero County had an LQ of 1.83. Even when local government is greater than 1.0, 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 Otero County will be considered as a non-basic industry.

In the private sector, Farm employment is considered a basic industry for Otero County with a LQ of 1.39 in 2017. Forestry, fisheries and related activities had a LQ of 1.28 and is considered a basic industry for 2017. Retail trade had a LQ of 1.08 and it is also to be considered a basic industry for Otero County. The other sectors with LQs above 1.0 in 2017 included Utilities (1.52) and Construction (1.07). However, these sectors in Otero County are considered non-basic or support industries.

The data and analysis suggest that in 2017 the following industries should be considered basic industries in Otero County:

1. Federal government employment, accounted for 4,167 jobs for Military, and 1,720 jobs for Federal/civilian jobs.
2. The Agricultural sector, including Farm employment (528) and Forestry, fishing, and related industries (171), accounted for 699 total jobs.
3. Retail trade, accounted for 3,002 jobs.
4. State government, accounted for 788 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 Otero County, the multiplier is equal to 2.73 ($28,319 / 10,376$). This ratio suggests that the addition of each basic sector job in Otero County would be associated with additional 2.73 non-basic sector jobs. The export base multiplier (2.73) calculated above reinforces the importance of basic (exporting) industries to the economy of Otero 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 Otero 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 is to include the appropriate combination of policies, which often result from public and private sector interaction.

Summary of 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. The population for Otero County increased 0.97 percent from 65,184 in 2016 to 65,817 in 2017. Per capita personal income for Otero County in 2017 was \$33,792, a 1.28 percent increase from \$33,365 in 2016.

Tables 1 to 10 appear on pages 7-16

Table 1: Location Quotients for Otero County (US Base) 2013-2017					
US Base	2013	2014	2015	2016	2017
By type					
Wage and salary employment	1.05	1.05	1.05	1.04	1.03
Proprietors employment	0.81	0.82	0.82	0.87	0.89
Farm proprietors employment	1.46	1.55	1.58	1.55	1.61
Nonfarm proprietors employment	0.78	0.78	0.78	0.84	0.86
By industry					
Farm employment	1.31	1.34	1.39	1.38	1.39
Nonfarm employment	1.00	1.00	0.99	0.99	0.99
Private nonfarm employment	0.70	0.70	0.71	0.72	0.71
Forestry, fishing, and related activities	N/A	1.32	1.25	1.33	1.28
Mining	N/A	0.83	0.94	1.01	1.08
Utilities	1.44	1.48	1.52	1.48	1.52
Construction	1.05	1.05	1.05	1.07	1.07
Manufacturing	0.15	0.14	0.11	0.11	0.12
Wholesale trade	0.29	0.27	0.28	0.28	0.21
Retail trade	1.00	1.02	1.08	1.09	1.08
Transportation and warehousing	0.47	0.45	0.44	0.48	0.49
Information	0.60	0.59	0.57	0.57	0.63
Finance and insurance	0.45	0.46	0.43	0.42	0.42
Real estate and rental and leasing	0.55	0.57	0.59	0.57	0.57
Professional, scientific, and technical services	0.65	0.62	0.58	0.46	0.48
Management of companies and enterprises	0.11	0.10	0.12	0.18	0.18
Administrative and waste management services	0.93	0.96	0.96	1.09	0.96
Educational services	0.27	0.15	0.18	0.25	0.33
Health care and social assistance	0.84	0.86	0.91	0.94	0.96
Arts, entertainment, and recreation	0.41	0.46	0.48	0.48	0.47
Accommodation and food services	0.91	0.93	0.92	0.89	0.85
Other services, except public administration	0.83	0.85	0.84	0.84	0.86
Government and government enterprises	2.93	2.94	2.92	2.89	2.96
Federal, civilian	4.19	4.15	4.29	4.17	4.17
Military	14.32	14.41	13.75	14.05	14.96
State and local	1.53	1.60	1.63	1.60	1.60
State government	1.01	1.07	1.08	1.03	1.02
Local government	1.73	1.80	1.84	1.82	1.83
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 Otero County (NM Base) 2013-2017					
NM Based	2013	2014	2015	2016	2017
By type					
Wage and salary employment	1.04	1.04	1.04	1.02	1.02
Proprietors employment	0.84	0.85	0.86	0.93	0.94
Farm proprietors employment	0.74	0.77	0.78	0.75	0.76
Nonfarm proprietors employment	0.85	0.86	0.87	0.95	0.96
By industry					
Farm employment	0.70	0.73	0.73	0.70	0.71
Nonfarm employment	1.01	1.01	1.01	1.01	1.01
Private nonfarm employment	0.77	0.77	0.78	0.79	0.78
Forestry, fishing, and related activities	N/A	1.27	1.19	1.21	1.17
Mining	N/A	0.20	0.23	0.26	0.27
Utilities	1.06	1.09	1.11	1.06	1.11
Construction	0.96	0.98	1.00	1.04	1.01
Manufacturing	0.33	0.32	0.25	0.25	0.26
Wholesale trade	0.40	0.37	0.38	0.40	0.31
Retail trade	0.96	0.97	1.03	1.04	1.04
Transportation and warehousing	0.65	0.63	0.64	0.76	0.78
Information	0.72	0.73	0.70	0.68	0.78
Finance and insurance	0.74	0.74	0.70	0.67	0.68
Real estate and rental and leasing	0.68	0.71	0.74	0.71	0.72
Professional, scientific, and technical services	0.64	0.61	0.57	0.45	0.46
Management of companies and enterprises	0.25	0.24	0.28	0.42	0.43
Administrative and waste management services	1.14	1.20	1.22	1.38	1.18
Educational services	0.43	0.24	0.28	0.39	0.51
Health care and social assistance	0.82	0.83	0.86	0.86	0.88
Arts, entertainment, and recreation	0.41	0.46	0.47	0.49	0.47
Accommodation and food services	0.83	0.83	0.82	0.79	0.75
Other services, except public administration	0.95	0.97	0.97	0.96	0.97
Government and government enterprises	1.97	1.97	1.94	1.90	1.96
Federal, civilian	2.30	2.29	2.37	2.28	2.28
Military	9.35	9.45	9.12	8.91	9.31
State and local	1.07	1.10	1.12	1.09	1.10
State government	0.55	0.56	0.56	0.53	0.53
Local government	1.36	1.41	1.43	1.41	1.43
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: Otero County Total Employment by Industry 2017		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	22,609	79.84
Proprietors employment	5,710	20.16
Farm proprietors employment	420	1.48
Nonfarm proprietors employment	5,290	18.68
By industry		
Farm employment	528	1.86
Nonfarm employment	27,791	98.14
Private nonfarm employment	17,359	61.30
Forestry, fishing, and related activities	171	0.60
Mining	235	0.83
Utilities	146	0.52
Construction	1,639	5.79
Manufacturing	223	0.79
Wholesale trade	200	0.71
Retail trade	3,002	10.60
Transportation and warehousing	542	1.91
Information	310	1.09
Finance and insurance	641	2.26
Real estate and rental and leasing	750	2.65
Professional, scientific, and technical services	951	3.36
Management of companies and enterprises	71	0.25
Administrative and waste management services	1,683	5.94
Educational services	223	0.79
Health care and social assistance	3,069	10.84
Arts, entertainment, and recreation	300	1.06
Accommodation and food services	1,810	6.39
Other services, except public administration	1,393	4.92
Government and government enterprises	10,432	36.84
Federal, civilian	1,720	6.07
Military	4,167	14.71
State and local	4,545	16.05
State government	788	2.78
Local government	3,757	13.27
Total employment	28,319	100.00

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

Table 4: Otero County Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	23285	22522	22489	22990	22609
Proprietors employment	5080	5011	5043	5612	5710
Farm proprietors employment	423	422	420	417	420
Nonfarm proprietors employment 2/	4657	4589	4623	5195	5290
By industry					
Farm employment	537	523	531	541	528
Nonfarm employment	27828	27010	27001	28061	27791
Private nonfarm employment	16879	16543	16790	17666	17359
Forestry, fishing, and related activities	(D)	183	166	184	171
Mining	(D)	196	211	217	235
Utilities	130	127	131	136	146
Construction	1502	1485	1502	1627	1639
Manufacturing	307	276	212	215	223
Wholesale trade	282	272	272	265	200
Retail trade	2869	2810	2986	3104	3002
Transportation and warehousing	435	417	439	530	542
Information	307	290	275	285	310
Finance and insurance	687	657	611	628	641
Real estate and rental and leasing	690	706	745	742	750
Professional, scientific, and technical services	1277	1177	1120	915	951
Management of companies and enterprises	37	34	42	69	71
Administrative and waste management services	1636	1665	1635	1947	1683
Educational services	185	102	120	172	223
Health care and social assistance	2671	2638	2803	3034	3069
Arts, entertainment, and recreation	258	285	290	310	300
Accommodation and food services	1863	1859	1868	1902	1810
Other services, except public administration	1361	1364	1362	1384	1393
Government and government enterprises	10949	10467	10211	10395	10432
Federal, civilian	1842	1711	1744	1758	1720
Military	4527	4207	3892	4004	4167
State and local	4580	4549	4575	4633	4545
State government	837	840	837	817	788
Local government	3743	3709	3738	3816	3757
Total employment	28365	27533	27532	28602	28319

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

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	846495	852348	860023	861222	862272
Proprietors employment	228970	231044	231850	231184	235600
Farm proprietors employment	21547	21473	21405	21291	21372
Nonfarm proprietors employment	207423	209571	210445	209893	214228
By industry					
Farm employment	29208	28262	28866	29641	28633
Nonfarm employment	1046257	1055130	1063007	1062765	1069239
Private nonfarm employment	835402	845778	854438	854243	862954
Forestry, fishing, and related activities	5235	5675	5540	5819	5658
Mining	36857	38222	36655	31808	33725
Utilities	4652	4591	4684	4900	5099
Construction	59142	59584	59709	60012	62633
Manufacturing	35463	34022	34158	33188	33239
Wholesale trade	26688	28856	28502	25379	24946
Retail trade	112726	113923	114888	113636	111443
Transportation and warehousing	25502	25903	27243	26672	27060
Information	16059	15725	15588	16001	15339
Finance and insurance	35010	34783	34461	35684	36737
Real estate and rental and leasing	38414	39111	39660	39866	40634
Professional, scientific, and technical services	75919	76116	77542	77751	79601
Management of companies and enterprises	5502	5631	5877	6337	6449
Administrative and waste management services	54597	54370	52998	53887	55307
Educational services	16426	16736	16965	17026	17020
Health care and social assistance	123737	124796	129720	134269	134712
Arts, entertainment, and recreation	23734	24225	24245	24151	24831
Accommodation and food services	85494	88296	90192	92521	93037
Other services, except public administration	54245	55213	55811	55336	55484
Government and government enterprises	210855	209352	208569	208522	206285
Federal, civilian	30400	29452	29188	29385	29288
Military	18350	17518	16923	17159	17348
State and local	162105	162382	162458	161978	159649
State government	57772	58752	58962	58703	57617
Local government	104333	103630	103496	103275	102032
Total employment	1075465	1083392	1091873	1092406	1097872

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

Table 6: United States Employment by Industry 2012-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	141,932,000.00	144,722,000.00	147,635,000.00	149,904,000.00	151,825,000.00
Proprietors employment	40,393,100.00	41,513,800.00	42,682,800.00	43,464,900.00	44,307,200.00
Farm proprietors employment	1,856,000.00	1,842,000.00	1,832,000.00	1,823,000.00	1,812,000.00
Nonfarm proprietors employment	38,537,100.00	39,671,800.00	40,850,800.00	41,641,900.00	42,495,200.00
By industry					
Farm employment	2,645,000.00	2,645,000.00	2,649,000.00	2,643,000.00	2,631,000.00
Nonfarm employment	179,680,100.00	183,590,800.00	187,668,800.00	190,725,900.00	193,501,200.00
Private nonfarm employment	155,625,100.00	159,536,800.00	163,523,800.00	166,427,900.00	169,096,200.00
Forestry, fishing, and related activities	909,100.00	941,000.00	915,900.00	935,200.00	926,400.00
Mining	1,607,000.00	1,597,500.00	1,553,300.00	1,452,200.00	1,511,100.00
Utilities	578,300.00	580,600.00	597,400.00	622,000.00	663,500.00
Construction	9,237,800.00	9,564,300.00	9,844,900.00	10,322,100.00	10,634,600.00
Manufacturing	12,761,200.00	12,908,600.00	13,076,600.00	13,131,900.00	13,304,800.00
Wholesale trade	6,343,100.00	6,720,600.00	6,819,100.00	6,464,400.00	6,478,900.00
Retail trade	18,369,100.00	18,713,100.00	19,095,300.00	19,199,500.00	19,222,200.00
Transportation and warehousing	6,012,800.00	6,282,400.00	6,929,700.00	7,413,200.00	7,663,800.00
Information	3,264,600.00	3,327,000.00	3,316,400.00	3,384,900.00	3,384,400.00
Finance and insurance	9,815,300.00	9,621,000.00	9,844,600.00	10,187,400.00	10,510,200.00
Real estate and rental and leasing	8,056,800.00	8,405,800.00	8,668,300.00	8,868,200.00	9,105,900.00
Professional, scientific, and technical services	12,544,300.00	12,864,700.00	13,333,200.00	13,496,900.00	13,721,000.00
Management of companies and enterprises	2,265,000.00	2,360,300.00	2,425,500.00	2,603,800.00	2,667,400.00
Administrative and waste management services	11,366,900.00	11,719,200.00	11,770,600.00	12,033,600.00	12,088,500.00
Educational services	4,339,100.00	4,498,100.00	4,610,900.00	4,641,800.00	4,691,200.00
Health care and social assistance	20,499,200.00	20,798,400.00	21,351,100.00	21,817,100.00	22,201,200.00
Arts, entertainment, and recreation	4,043,800.00	4,223,300.00	4,220,100.00	4,363,100.00	4,455,500.00
Accommodation and food services	13,099,200.00	13,548,900.00	13,977,700.00	14,399,000.00	14,697,400.00
Other services, except public administration	10,512,500.00	10,862,000.00	11,173,200.00	11,091,600.00	11,168,200.00
Government and government enterprises	24,055,000.00	24,054,000.00	24,145,000.00	24,298,000.00	24,405,000.00
Federal, civilian	2,826,000.00	2,792,000.00	2,810,000.00	2,847,000.00	2,857,000.00
Military	2,032,000.00	1,975,000.00	1,956,000.00	1,927,000.00	1,929,000.00
State and local	19,197,000.00	19,287,000.00	19,379,000.00	19,524,000.00	19,619,000.00
State government	5,306,000.00	5,330,000.00	5,349,000.00	5,351,000.00	5,365,000.00
Local government	13,891,000.00	13,957,000.00	14,030,000.00	14,173,000.00	14,254,000.00
Total employment	182,325,100.00	186,235,800.00	190,317,800.00	193,368,900.00	196,132,200.00

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

Table 7: Otero County, New Mexico and United States Percent of Employment by Industry 2017			
	United States	New Mexico	Otero County
By type			
Wage and salary employment	77.41	78.54	79.84
Proprietors employment	22.59	21.46	20.16
Farm proprietors employment	0.92	1.95	1.48
Nonfarm proprietors employment	21.67	19.51	18.68
By industry			
Farm employment	1.34	2.61	1.86
Nonfarm employment	98.66	97.39	98.14
Private nonfarm employment	86.22	78.60	61.30
Forestry, fishing, and related activities	0.47	0.52	0.60
Mining	0.77	3.07	0.83
Utilities	0.34	0.46	0.52
Construction	5.42	5.70	5.79
Manufacturing	6.78	3.03	0.79
Wholesale trade	3.30	2.27	0.71
Retail trade	9.80	10.15	10.60
Transportation and warehousing	3.91	2.46	1.91
Information	1.73	1.40	1.09
Finance and insurance	5.36	3.35	2.26
Real estate and rental and leasing	4.64	3.70	2.65
Professional, scientific, and technical services	7.00	7.25	3.36
Management of companies and enterprises	1.36	0.59	0.25
Administrative and waste management services	6.16	5.04	5.94
Educational services	2.39	1.55	0.79
Health care and social assistance	11.32	12.27	10.84
Arts, entertainment, and recreation	2.27	2.26	1.06
Accommodation and food services	7.49	8.47	6.39
Other services, except public administration	5.69	5.05	4.92
Government and government enterprises	12.44	18.79	36.84
Federal, civilian	1.46	2.67	6.07
Military	0.98	1.58	14.71
State and local	10.00	14.54	16.05
State government	2.74	5.25	2.78
Local government	7.27	9.29	13.27
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: Otero County Percent of Employment by Sectors 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	82.09	81.80	81.68	80.38	79.84
Proprietors employment	17.91	18.20	18.32	19.62	20.16
Farm proprietors employment	1.49	1.53	1.53	1.46	1.48
Nonfarm proprietors employment	16.42	16.67	16.79	18.16	18.68
By industry					
Farm employment	1.89	1.90	1.93	1.89	1.86
Nonfarm employment	98.11	98.10	98.07	98.11	98.14
Private nonfarm employment	59.51	60.08	60.98	61.76	61.30
Forestry, fishing, and related activities	N/A	0.66	0.60	0.64	0.60
Mining	N/A	0.71	0.77	0.76	0.83
Utilities	0.46	0.46	0.48	0.48	0.52
Construction	5.30	5.39	5.46	5.69	5.79
Manufacturing	1.08	1.00	0.77	0.75	0.79
Wholesale trade	0.99	0.99	0.99	0.93	0.71
Retail trade	10.11	10.21	10.85	10.85	10.60
Transportation and warehousing	1.53	1.51	1.59	1.85	1.91
Information	1.08	1.05	1.00	1.00	1.09
Finance and insurance	2.42	2.39	2.22	2.20	2.26
Real estate and rental and leasing	2.43	2.56	2.71	2.59	2.65
Professional, scientific, and technical services	4.50	4.27	4.07	3.20	3.36
Management of companies and enterprises	0.13	0.12	0.15	0.24	0.25
Administrative and waste management services	5.77	6.05	5.94	6.81	5.94
Educational services	0.65	0.37	0.44	0.60	0.79
Health care and social assistance	9.42	9.58	10.18	10.61	10.84
Arts, entertainment, and recreation	0.91	1.04	1.05	1.08	1.06
Accommodation and food services	6.57	6.75	6.78	6.65	6.39
Other services, except public administration	4.80	4.95	4.95	4.84	4.92
Government and government enterprises	38.60	38.02	37.09	36.34	36.84
Federal, civilian	6.49	6.21	6.33	6.15	6.07
Military	15.96	15.28	14.14	14.00	14.71
State and local	16.15	16.52	16.62	16.20	16.05
State government	2.95	3.05	3.04	2.86	2.78
Local government	13.20	13.47	13.58	13.34	13.27
Total employment	100.00	100.00	100.00	100.00	100.00

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

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 calculations

Table 10: United States Percent of Employment by Industry 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	77.85	77.71	77.57	77.52	77.41
Proprietors employment	22.15	22.29	22.43	22.48	22.59
Farm proprietors employment	1.02	0.99	0.96	0.94	0.92
Nonfarm proprietors employment	21.14	21.30	21.46	21.53	21.67
By industry					
Farm employment	1.45	1.42	1.39	1.37	1.34
Nonfarm employment	98.55	98.58	98.61	98.63	98.66
Private nonfarm employment	85.36	85.66	85.92	86.07	86.22
Forestry, fishing, and related activities	0.50	0.51	0.48	0.48	0.47
Mining	0.88	0.86	0.82	0.75	0.77
Utilities	0.32	0.31	0.31	0.32	0.34
Construction	5.07	5.14	5.17	5.34	5.42
Manufacturing	7.00	6.93	6.87	6.79	6.78
Wholesale trade	3.48	3.61	3.58	3.34	3.30
Retail trade	10.07	10.05	10.03	9.93	9.80
Transportation and warehousing	3.30	3.37	3.64	3.83	3.91
Information	1.79	1.79	1.74	1.75	1.73
Finance and insurance	5.38	5.17	5.17	5.27	5.36
Real estate and rental and leasing	4.42	4.51	4.55	4.59	4.64
Professional, scientific, and technical services	6.88	6.91	7.01	6.98	7.00
Management of companies and enterprises	1.24	1.27	1.27	1.35	1.36
Administrative and waste management services	6.23	6.29	6.18	6.22	6.16
Educational services	2.38	2.42	2.42	2.40	2.39
Health care and social assistance	11.24	11.17	11.22	11.28	11.32
Arts, entertainment, and recreation	2.22	2.27	2.22	2.26	2.27
Accommodation and food services	7.18	7.28	7.34	7.45	7.49
Other services, except public administration	5.77	5.83	5.87	5.74	5.69
Government and government enterprises	13.19	12.92	12.69	12.57	12.44
Federal, civilian	1.55	1.50	1.48	1.47	1.46
Military	1.11	1.06	1.03	1.00	0.98
State and local	10.53	10.36	10.18	10.10	10.00
State government	2.91	2.86	2.81	2.77	2.74
Local government	7.62	7.49	7.37	7.33	7.27
Total employment	100.00	100.00	100.00	100.00	100.00

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