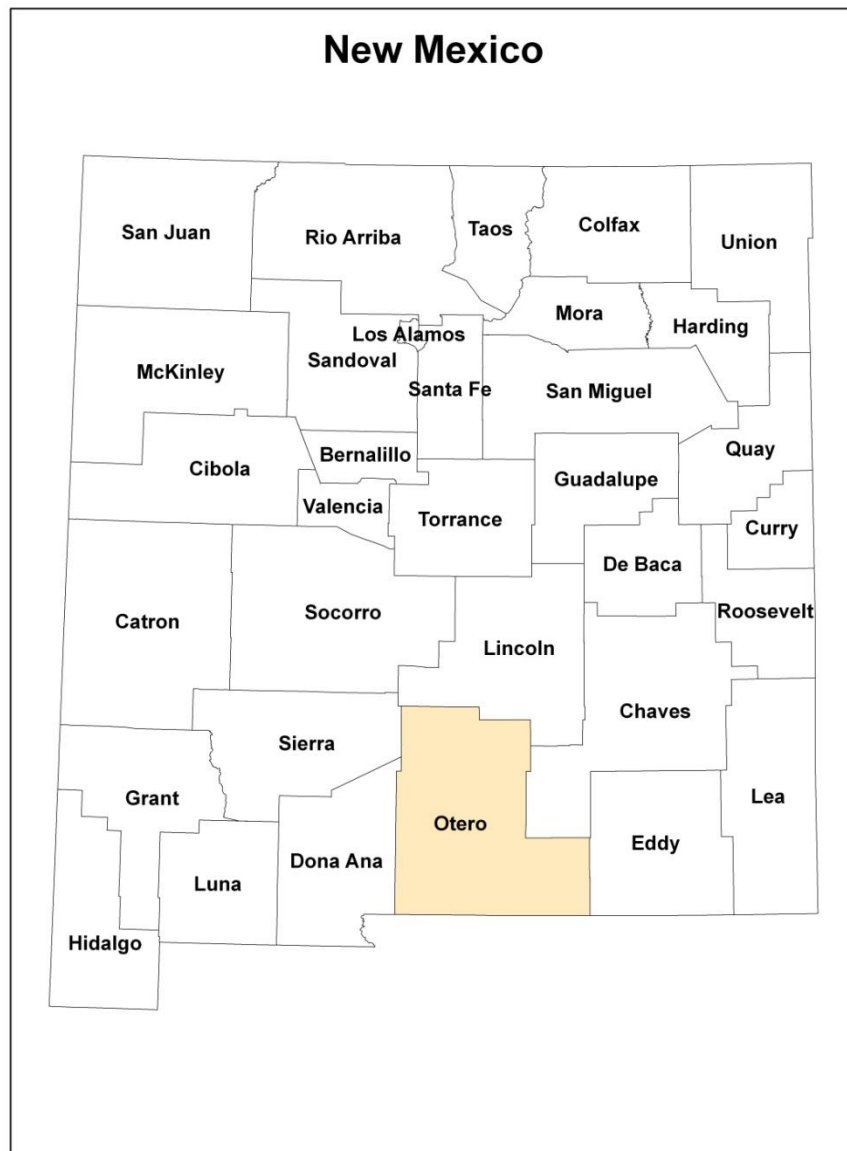


The Economic Base of Otero County, NM

**PREPARED BY: Arrowhead Center,
New Mexico State University**

DATE: July 2020



The Economic Base of Otero County, New Mexico

Introduction

This report is one of 35 economic base studies prepared by 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, a graduate student 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:

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

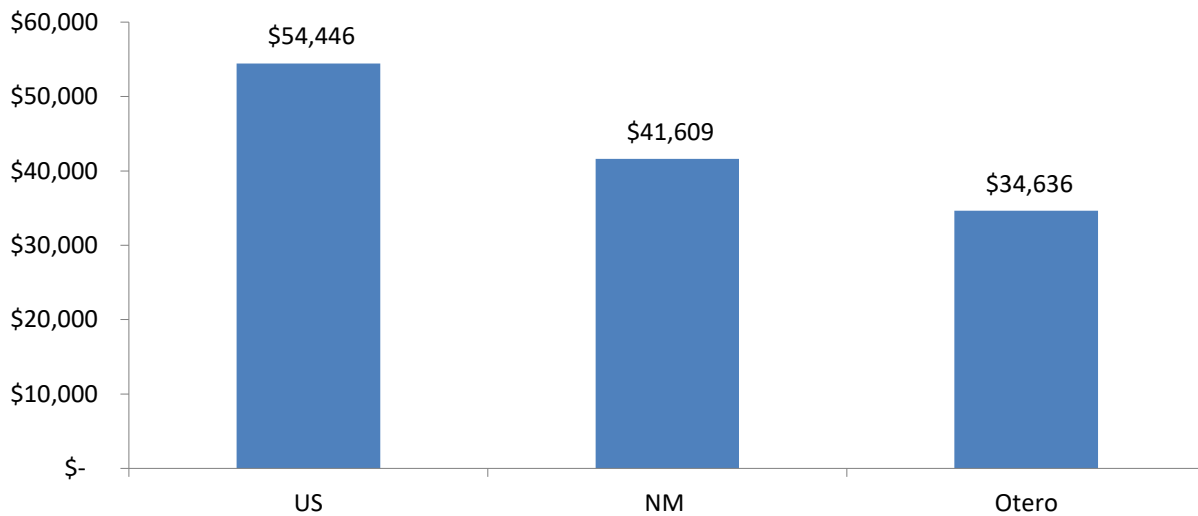
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. An LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national 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 (2014-2018). 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

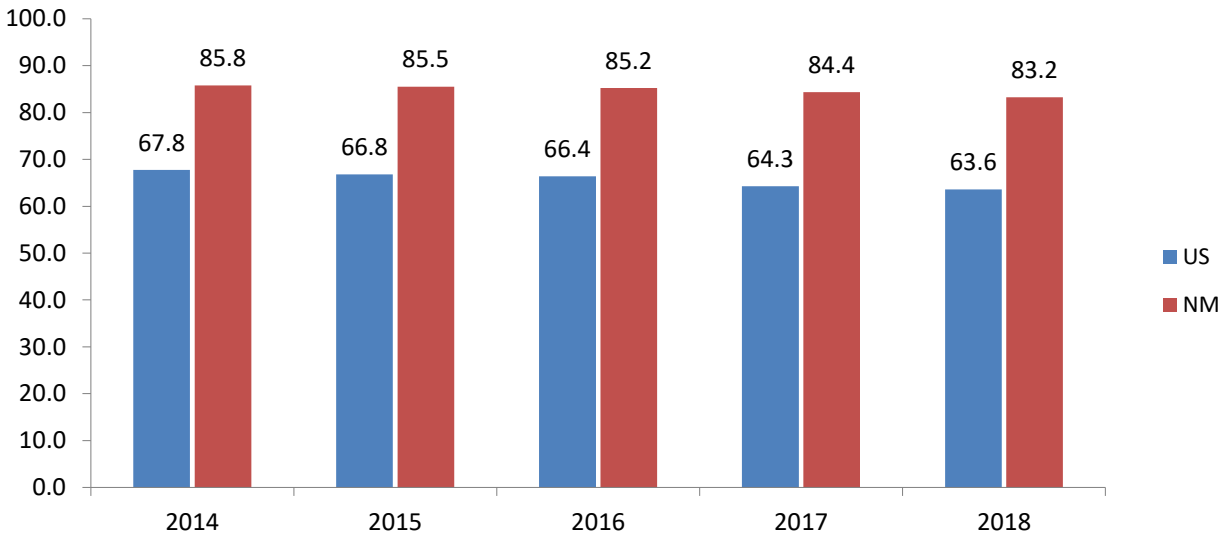
Otero County is located in south central New Mexico and is the 3rd largest county in terms of land area in the state, with 6,613.21 square miles. Otero County represents 5.45 percent of the land area in the state of New Mexico. The population of Otero County in 2018 was 66,781, 3.19 percent of the state total, and ranked 9th in the state in terms of population. Alamogordo, with a population of 31,230 in 2018, represented 46.76 percent of the total population for Otero County. Between 2014 and 2018, the population of Otero County increased by 2.17 percent. During the same period, New Mexico's population increased by 0.24 percent and the United States' population increased by 2.76 percent.

Figure 1. Per Capita Personal Income: Otero County (2018)



Per capita income for Otero County in 2018 was \$34,636. Per capita income for Otero County in 2018 was 83.24 percent of the state average (\$41,609) and 63.62 percent of the national average (\$54,446) (See Figures 1 and 2). The percent growth of per capita income in Otero County between 2014 and 2018 of 8.61 percent was less than the state (11.91 percent) and the nation (15.70 percent).

Figure 2. Per Capita Personal Income of Otero County as a Percent of U.S. and New Mexico (2014-2018)



Total employment in Otero County was 28,595 in 2018. Between 2014 and 2018, total employment in Otero County increased by 3.81 percent, compared to the statewide and nationwide employment increase of 2.93 percent and 7.79 percent, respectively. Otero County's employment-to-population ratio was 0.43 compared to the state ratio (0.53) and the national ratio (0.61). This ratio represents a low rate of the population being employed.

In 2018, 60.87 of all workers in Otero County were employed in the Private sector, while 1.85 percent worked in Farm employment, and 37.28 percent were employed in Government and Government Enterprises. Within the private sector, the industries with the highest percentages of total employment included: Healthcare and Social Assistance (11.02), Retail Trade (10.16 percent), Accommodation and Food Services (6.25), Administrative and Waste Management Services (5.67), and Construction (5.67). In the public sector, Military and Local government were the largest employers. Military employed 15.44 percent of the total employment and Local Government employed 13.21 percent of total employment. Federal/civilian employed 5.91 percent and State government employed 2.73 percent. Employment for Otero County by sector is displayed in Table 1.

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

Table 2 contains LQs for Otero County from 2014 to 2018 calculated using data for the United States as the basis of comparison. Table 3 contains LQs for Otero County from 2014 to 2018 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 is the aggregate figure of all government levels listed as government categories. Military had an LQ of 16.13 in 2018 and LQs exceeding 13.74 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 4.16 in 2018. The majority of these jobs are also related to Holloman Air Force Base. Federal government, including Military and Federal/civilian employment, is considered as a basic industry in Otero County for 2018. State government had an LQ of 1.01. This sector will be considered a basic industry for Otero County in 2018. Local government employment in Otero County had an LQ of 1.84. Even when local government has an LQ greater than 1.0, it 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 an LQ of 1.42 in 2018. Forestry, Fishing, and Related Activities had an LQ of 1.56 and is considered a basic industry for 2018. Retail Trade had an LQ of 1.06 and it is also to be considered a basic industry for Otero County. Mining is also considered a basic industry in 2018 with an LQ of 1.06. The other sectors with LQs above 1.0 in 2018 included Utilities (1.48) and Construction (1.04). However, these sectors in Otero County are considered non-basic or support industries.

The data and analysis suggest that in 2018 the following industries should be considered basic industries in Otero County:

1. Federal government employment, accounted for 4,415 jobs for Military, and 1,690 jobs for Federal/civilian.
2. The Agricultural sector, including Farm employment (528) and Forestry, Fishing, and Related Activities (215), accounted for 743 jobs.
3. Retail Trade, accounted for 2,904 jobs.
4. Mining, accounted for 204 jobs.
5. State government, accounted for 780 jobs.

It is common in economic base studies to calculate an export-base employment multiplier. This employment multiplier is obtained by dividing total employment Otero County by total employment in the basic sectors. In the case of Otero County, the multiplier is equal to 2.66 (28,595 / 10,736). This ratio suggests that the addition of each basic sector job in Otero County would be associated with additional 2.66 non-basic sector jobs. The export base multiplier (2.66) 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 by 0.88 percent from 66,198 in 2017 to 66,781 in 2018. Per capita personal income for Otero County in 2018 was \$34,636, a 3.89 percent increase from \$33,339 in 2017. Total employment in Otero County increased by 1.06 percent between 2017 and 2018, an increase of 300 jobs.

Tables 1 to 10 appear on pages 8-17

Table 1: Otero Employment by Industry 2014-2018					
Number of jobs by industry	2014	2015	2016	2017	2018
By type					
Wage and salary employment	22533	22489	22988	22634	22793
Proprietors employment	5012	5047	5618	5661	5802
Farm proprietors employment	423	424	423	422	417
Nonfarm proprietors employment 2/	4589	4623	5195	5239	5385
By industry					
Farm employment	524	535	547	534	528
Nonfarm employment	27021	27001	28059	27761	28067
Private nonfarm employment	16544	16792	17665	17332	17406
Forestry, fishing, and related activities	183	166	184	206	215
Mining	196	211	217	196	204
Utilities	127	131	136	128	124
Construction	1485	1502	1627	1593	1622
Manufacturing	276	212	215	200	214
Wholesale trade	271	271	265	199	192
Retail trade	2810	2986	3104	2982	2904
Transportation and warehousing	417	439	530	595	641
Information	290	275	285	304	287
Finance and insurance	657	611	628	626	632
Real estate and rental and leasing	706	745	742	734	758
Professional, scientific, and technical services	1177	1120	915	957	957
Management of companies and enterprises	34	42	69	49	50
Administrative and waste management services	1665	1636	1947	1707	1620
Educational services	102	120	172	261	306
Health care and social assistance	2638	2803	3032	3079	3152
Arts, entertainment, and recreation	285	290	310	322	355
Accommodation and food services	1859	1868	1902	1816	1786
Other services, except public administration	1366	1364	1385	1378	1387
Government and government enterprises	10477	10209	10394	10429	10661
Federal, civilian	1711	1744	1758	1720	1690
Military	4217	3890	4003	4168	4415
State and local	4549	4575	4633	4541	4556
State government	840	837	817	785	780
Local government	3709	3738	3816	3756	3776
Total employment	27,545	27,536	28,606	28,295	28,595

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

Table 2: Location Quotients for Otero (US Base) 2014-2018					
US Base	2014	2015	2016	2017	2018
By type					
Wage and salary employment	1.05	1.05	1.04	1.04	1.04
Proprietors employment	0.82	0.82	0.87	0.88	0.88
Farm proprietors employment	1.55	1.60	1.57	1.63	1.64
Nonfarm proprietors employment	0.78	0.78	0.84	0.84	0.85
By industry					
Farm employment	1.34	1.40	1.40	1.42	1.42
Nonfarm employment	1.00	0.99	0.99	0.99	0.99
Private nonfarm employment	0.70	0.71	0.72	0.71	0.70
Forestry, fishing, and related activities	1.31	1.25	1.33	1.53	1.56
Mining	0.83	0.94	1.01	1.03	1.06
Utilities	1.48	1.52	1.48	1.51	1.48
Construction	1.05	1.05	1.07	1.05	1.04
Manufacturing	0.14	0.11	0.11	0.11	0.11
Wholesale trade	0.27	0.27	0.28	0.21	0.21
Retail trade	1.02	1.08	1.09	1.07	1.06
Transportation and warehousing	0.45	0.44	0.48	0.49	0.48
Information	0.59	0.57	0.57	0.62	0.58
Finance and insurance	0.46	0.43	0.42	0.42	0.43
Real estate and rental and leasing	0.57	0.59	0.57	0.55	0.56
Professional, scientific, and technical services	0.62	0.58	0.46	0.48	0.47
Management of companies and enterprises	0.10	0.12	0.18	0.13	0.13
Administrative and waste management services	0.96	0.96	1.09	0.97	0.91
Educational services	0.15	0.18	0.25	0.39	0.45
Health care and social assistance	0.86	0.91	0.94	0.96	0.98
Arts, entertainment, and recreation	0.46	0.47	0.48	0.50	0.53
Accommodation and food services	0.93	0.92	0.89	0.85	0.83
Other services, except public administration	0.85	0.84	0.84	0.87	0.86
Government and government enterprises	2.94	2.92	2.89	2.97	3.05
Federal, civilian	4.14	4.29	4.17	4.19	4.16
Military	14.44	13.74	14.04	15.03	16.13
State and local	1.59	1.63	1.60	1.61	1.62
State government	1.07	1.08	1.03	1.01	1.01
Local government	1.80	1.84	1.82	1.83	1.84
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: Location Quotients for Otero (NM Base) 2014-2018					
NM Based	2014	2015	2016	2017	2018
By type					
Wage and salary employment	1.04	1.04	1.02	1.02	1.02
Proprietors employment	0.85	0.86	0.93	0.94	0.94
Farm proprietors employment	0.77	0.78	0.75	0.76	0.77
Nonfarm proprietors employment	0.86	0.87	0.95	0.95	0.96
By industry					
Farm employment	0.73	0.73	0.70	0.71	0.72
Nonfarm employment	1.01	1.01	1.01	1.01	1.01
Private nonfarm employment	0.77	0.78	0.79	0.78	0.77
Forestry, fishing, and related activities	1.27	1.19	1.21	1.33	1.36
Mining	0.20	0.23	0.26	0.24	0.23
Utilities	1.09	1.11	1.06	1.07	1.06
Construction	0.98	1.00	1.04	1.00	0.98
Manufacturing	0.32	0.25	0.25	0.24	0.25
Wholesale trade	0.37	0.38	0.40	0.31	0.30
Retail trade	0.97	1.03	1.04	1.04	1.01
Transportation and warehousing	0.63	0.64	0.76	0.77	0.76
Information	0.73	0.70	0.68	0.76	0.73
Finance and insurance	0.74	0.70	0.67	0.68	0.68
Real estate and rental and leasing	0.71	0.74	0.71	0.70	0.71
Professional, scientific, and technical services	0.61	0.57	0.45	0.46	0.46
Management of companies and enterprises	0.24	0.28	0.42	0.31	0.30
Administrative and waste management services	1.20	1.22	1.38	1.17	1.10
Educational services	0.24	0.28	0.39	0.59	0.70
Health care and social assistance	0.83	0.86	0.86	0.89	0.91
Arts, entertainment, and recreation	0.46	0.47	0.49	0.50	0.53
Accommodation and food services	0.83	0.82	0.79	0.75	0.73
Other services, except public administration	0.97	0.97	0.96	0.97	0.96
Government and government enterprises	1.97	1.94	1.90	1.96	2.02
Federal, civilian	2.29	2.37	2.29	2.28	2.28
Military	9.32	9.16	8.92	9.32	9.79
State and local	1.10	1.12	1.09	1.10	1.12
State government	0.56	0.56	0.53	0.53	0.53
Local government	1.41	1.43	1.41	1.43	1.44
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 4: Otero, Total Employment by Industry 2018		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	22,793	79.71
Proprietors employment	5,802	20.29
Farm proprietors employment	417	1.46
Nonfarm proprietors employment	5,385	18.83
By industry		
Farm employment	528	1.85
Nonfarm employment	28,067	98.15
Private nonfarm employment	17,406	60.87
Forestry, fishing, and related activities	215	0.75
Mining	204	0.71
Utilities	124	0.43
Construction	1,622	5.67
Manufacturing	214	0.75
Wholesale trade	192	0.67
Retail trade	2,904	10.16
Transportation and warehousing	641	2.24
Information	287	1.00
Finance and insurance	632	2.21
Real estate and rental and leasing	758	2.65
Professional, scientific, and technical services	957	3.35
Management of companies and enterprises	50	0.17
Administrative and waste management services	1,620	5.67
Educational services	306	1.07
Health care and social assistance	3,152	11.02
Arts, entertainment, and recreation	355	1.24
Accommodation and food services	1,786	6.25
Other services, except public administration	1,387	4.85
Government and government enterprises	10,661	37.28
Federal, civilian	1,690	5.91
Military	4,415	15.44
State and local	4,556	15.93
State government	780	2.73
Local government	3,776	13.21
Total employment	28,595	100.00

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

Table 5: New Mexico Employment by Industry 2014-2018					
Number of jobs by industry	2014	2015	2016	2017	2018
By type					
Wage and salary employment	852,638	859,962	861,216	862,809	875,574
Proprietors employment	231,134	232,022	231,421	234,860	240,000
Farm proprietors employment	21,557	21,579	21,534	21,511	21,243
Nonfarm proprietors employment 2/	209,577	210,443	209,887	213,349	218,757
By industry					
Farm employment	28,346	29,040	29,884	29,031	28,687
Nonfarm employment	1,055,426	1,062,944	1,062,753	1,068,638	1,086,887
Private nonfarm employment	845,767	854,456	854,248	862,552	881,228
Forestry, fishing, and related activities	5,674	5,541	5,820	5,989	6,157
Mining	38,214	36,656	31,809	31,204	34,490
Utilities	4,591	4,684	4,900	4,623	4,576
Construction	59,584	59,707	60,008	62,061	64,328
Manufacturing	34,027	34,157	33,187	32,562	33,596
Wholesale trade	28,854	28,501	25,380	24,989	24,563
Retail trade	113,924	114,887	113,636	111,466	111,663
Transportation and warehousing	25,905	27,245	26,673	30,016	32,916
Information	15,725	15,587	16,001	15,491	15,297
Finance and insurance	34,781	34,461	35,685	35,674	36,018
Real estate and rental and leasing	39,111	39,659	39,865	40,497	41,842
Professional, scientific, and technical services	76,116	77,543	77,750	79,918	81,618
Management of companies and enterprises	5,632	5,875	6,336	6,143	6,488
Administrative and waste management services	54,370	52,996	53,892	56,396	57,515
Educational services	16,709	16,959	17,013	17,048	17,004
Health care and social assistance	124,796	129,722	134,264	134,791	135,667
Arts, entertainment, and recreation	24,227	24,245	24,150	25,154	26,008
Accommodation and food services	88,297	90,194	92,523	93,512	95,173
Other services, except public administration	55,230	55,837	55,356	55,018	56,309
Government and government enterprises	209,659	208,488	208,505	206,086	205,659
Federal, civilian	29,451	29,188	29,385	29,281	28,881
Military	17,809	16,837	17,132	17,346	17,588
State and local	162,399	162,463	161,988	159,459	159,190
State government	58,771	58,969	58,707	57,448	57,079
Local government	103,628	103,494	103,281	102,011	102,111
Total employment	1,083,772	1,091,984	1,092,637	1,097,669	1,115,574

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

Table 6: United States Employment by Industry 2014-2018

Number of jobs by industry	2014	2015	2016	2017	2018
By type					
Wage and salary employment	144,722,000	147,636,000	149,912,000	151,860,000	154,375,000
Proprietors employment	41,511,800	42,679,800	43,459,900	44,965,300	46,371,000
Farm proprietors employment	1,840,000	1,829,000	1,818,000	1,802,000	1,790,000
Nonfarm proprietors employment	39,671,800	40,850,800	41,641,900	43,163,300	44,581,000
By industry					
Farm employment	2,643,000	2,646,000	2,638,000	2,621,000	2,604,000
Nonfarm employment	183,590,800	187,669,800	190,733,900	194,204,300	198,142,000
Private nonfarm employment	159,535,800	163,523,800	166,428,900	169,778,300	173,599,000
Forestry, fishing, and related activities	941,000	915,900	935,200	938,300	969,400
Mining	1,597,500	1,553,300	1,452,200	1,320,900	1,353,700
Utilities	580,600	597,400	622,000	590,800	589,700
Construction	9,564,300	9,844,900	10,322,100	10,557,000	10,973,300
Manufacturing	12,907,600	13,076,600	13,131,900	13,235,200	13,501,300
Wholesale trade	6,719,600	6,817,100	6,463,400	6,492,900	6,422,200
Retail trade	18,713,100	19,092,300	19,195,500	19,345,100	19,307,500
Transportation and warehousing	6,282,400	6,932,700	7,418,200	8,520,900	9,364,300
Information	3,327,000	3,316,400	3,384,900	3,404,500	3,460,100
Finance and insurance	9,621,000	9,845,600	10,188,400	10,250,300	10,394,600
Real estate and rental and leasing	8,405,800	8,668,300	8,868,200	9,203,700	9,504,800
Professional, scientific, and technical services	12,864,700	13,333,200	13,496,900	13,848,200	14,203,900
Management of companies and enterprises	2,361,300	2,425,500	2,603,800	2,568,700	2,669,500
Administrative and waste management services	11,719,200	11,770,600	12,034,600	12,212,600	12,472,900
Educational services	4,498,100	4,610,900	4,641,800	4,702,400	4,771,700
Health care and social assistance	20,798,400	21,351,100	21,816,100	22,214,300	22,619,800
Arts, entertainment, and recreation	4,223,300	4,220,100	4,363,100	4,518,600	4,684,900
Accommodation and food services	13,548,900	13,977,700	14,399,000	14,788,400	15,077,500
Other services, except public administration	10,862,000	11,174,200	11,091,600	11,065,500	11,257,900
Government and government enterprises	24,055,000	24,146,000	24,305,000	24,426,000	24,543,000
Federal, civilian	2,792,000	2,810,000	2,847,000	2,857,000	2,849,000
Military	1,975,000	1,957,000	1,928,000	1,929,000	1,922,000
State and local	19,288,000	19,379,000	19,530,000	19,640,000	19,772,000
State government	5,330,000	5,349,000	5,356,000	5,383,000	5,395,000
Local government	13,958,000	14,030,000	14,174,000	14,257,000	14,377,000
Total employment	186,233,800	190,315,800	193,371,900	196,825,300	200,746,000

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

Table 7: Otero, New Mexico and United States Percent of Employment by Industry 2018			
	United States	New Mexico	Otero
By type			
Wage and salary employment	76.90	78.49	79.71
Proprietors employment	23.10	21.51	20.29
Farm proprietors employment	0.89	1.90	1.46
Nonfarm proprietors employment	22.21	19.61	18.83
By industry			
Farm employment	1.30	2.57	1.85
Nonfarm employment	98.70	97.43	98.15
Private nonfarm employment	86.48	78.99	60.87
Forestry, fishing, and related activities	0.48	0.55	0.75
Mining	0.67	3.09	0.71
Utilities	0.29	0.41	0.43
Construction	5.47	5.77	5.67
Manufacturing	6.73	3.01	0.75
Wholesale trade	3.20	2.20	0.67
Retail trade	9.62	10.01	10.16
Transportation and warehousing	4.66	2.95	2.24
Information	1.72	1.37	1.00
Finance and insurance	5.18	3.23	2.21
Real estate and rental and leasing	4.73	3.75	2.65
Professional, scientific, and technical services	7.08	7.32	3.35
Management of companies and enterprises	1.33	0.58	0.17
Administrative and waste management services	6.21	5.16	5.67
Educational services	2.38	1.52	1.07
Health care and social assistance	11.27	12.16	11.02
Arts, entertainment, and recreation	2.33	2.33	1.24
Accommodation and food services	7.51	8.53	6.25
Other services, except public administration	5.61	5.05	4.85
Government and government enterprises	12.23	18.44	37.28
Federal, civilian	1.42	2.59	5.91
Military	0.96	1.58	15.44
State and local	9.85	14.27	15.93
State government	2.69	5.12	2.73
Local government	7.16	9.15	13.21
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 Percent of Employment by Sectors 2014-2018					
Description	2014	2015	2016	2017	2018
By type					
Wage and salary employment	81.80	81.67	80.36	79.99	79.71
Proprietors employment	18.20	18.33	19.64	20.01	20.29
Farm proprietors employment	1.54	1.54	1.48	1.49	1.46
Nonfarm proprietors employment	16.66	16.79	18.16	18.52	18.83
By industry					
Farm employment	1.90	1.94	1.91	1.89	1.85
Nonfarm employment	98.10	98.06	98.09	98.11	98.15
Private nonfarm employment	60.06	60.98	61.75	61.25	60.87
Forestry, fishing, and related activities	0.66	0.60	0.64	0.73	0.75
Mining	0.71	0.77	0.76	0.69	0.71
Utilities	0.46	0.48	0.48	0.45	0.43
Construction	5.39	5.45	5.69	5.63	5.67
Manufacturing	1.00	0.77	0.75	0.71	0.75
Wholesale trade	0.98	0.98	0.93	0.70	0.67
Retail trade	10.20	10.84	10.85	10.54	10.16
Transportation and warehousing	1.51	1.59	1.85	2.10	2.24
Information	1.05	1.00	1.00	1.07	1.00
Finance and insurance	2.39	2.22	2.20	2.21	2.21
Real estate and rental and leasing	2.56	2.71	2.59	2.59	2.65
Professional, scientific, and technical services	4.27	4.07	3.20	3.38	3.35
Management of companies and enterprises	0.12	0.15	0.24	0.17	0.17
Administrative and waste management services	6.04	5.94	6.81	6.03	5.67
Educational services	0.37	0.44	0.60	0.92	1.07
Health care and social assistance	9.58	10.18	10.60	10.88	11.02
Arts, entertainment, and recreation	1.03	1.05	1.08	1.14	1.24
Accommodation and food services	6.75	6.78	6.65	6.42	6.25
Other services, except public administration	4.96	4.95	4.84	4.87	4.85
Government and government enterprises	38.04	37.08	36.34	36.86	37.28
Federal, civilian	6.21	6.33	6.15	6.08	5.91
Military	15.31	14.13	13.99	14.73	15.44
State and local	16.51	16.61	16.20	16.05	15.93
State government	3.05	3.04	2.86	2.77	2.73
Local government	13.47	13.57	13.34	13.27	13.21
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 2014-2018					
Description	2014	2015	2016	2017	2018
By type					
Wage and salary employment	78.67	78.75	78.82	78.60	78.49
Proprietors employment	21.33	21.25	21.18	21.40	21.51
Farm proprietors employment	1.99	1.98	1.97	1.96	1.90
Nonfarm proprietors employment	19.34	19.27	19.21	19.44	19.61
By industry					
Farm employment	2.62	2.66	2.74	2.64	2.57
Nonfarm employment	97.38	97.34	97.26	97.36	97.43
Private nonfarm employment	78.04	78.25	78.18	78.58	78.99
Forestry, fishing, and related activities	0.52	0.51	0.53	0.55	0.55
Mining	3.53	3.36	2.91	2.84	3.09
Utilities	0.42	0.43	0.45	0.42	0.41
Construction	5.50	5.47	5.49	5.65	5.77
Manufacturing	3.14	3.13	3.04	2.97	3.01
Wholesale trade	2.66	2.61	2.32	2.28	2.20
Retail trade	10.51	10.52	10.40	10.15	10.01
Transportation and warehousing	2.39	2.49	2.44	2.73	2.95
Information	1.45	1.43	1.46	1.41	1.37
Finance and insurance	3.21	3.16	3.27	3.25	3.23
Real estate and rental and leasing	3.61	3.63	3.65	3.69	3.75
Professional, scientific, and technical services	7.02	7.10	7.12	7.28	7.32
Management of companies and enterprises	0.52	0.54	0.58	0.56	0.58
Administrative and waste management services	5.02	4.85	4.93	5.14	5.16
Educational services	1.54	1.55	1.56	1.55	1.52
Health care and social assistance	11.51	11.88	12.29	12.28	12.16
Arts, entertainment, and recreation	2.24	2.22	2.21	2.29	2.33
Accommodation and food services	8.15	8.26	8.47	8.52	8.53
Other services, except public administration	5.10	5.11	5.07	5.01	5.05
Government and government enterprises	19.35	19.09	19.08	18.77	18.44
Federal, civilian	2.72	2.67	2.69	2.67	2.59
Military	1.64	1.54	1.57	1.58	1.58
State and local	14.98	14.88	14.83	14.53	14.27
State government	5.42	5.40	5.37	5.23	5.12
Local government	9.56	9.48	9.45	9.29	9.15
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 2014-2018					
Description	2014	2015	2016	2017	2018
By type					
Wage and salary employment	77.71	77.57	77.53	77.15	76.90
Proprietors employment	22.29	22.43	22.47	22.85	23.10
Farm proprietors employment	0.99	0.96	0.94	0.92	0.89
Nonfarm proprietors employment	21.30	21.46	21.53	21.93	22.21
By industry					
Farm employment	1.42	1.39	1.36	1.33	1.30
Nonfarm employment	98.58	98.61	98.64	98.67	98.70
Private nonfarm employment	85.66	85.92	86.07	86.26	86.48
Forestry, fishing, and related activities	0.51	0.48	0.48	0.48	0.48
Mining	0.86	0.82	0.75	0.67	0.67
Utilities	0.31	0.31	0.32	0.30	0.29
Construction	5.14	5.17	5.34	5.36	5.47
Manufacturing	6.93	6.87	6.79	6.72	6.73
Wholesale trade	3.61	3.58	3.34	3.30	3.20
Retail trade	10.05	10.03	9.93	9.83	9.62
Transportation and warehousing	3.37	3.64	3.84	4.33	4.66
Information	1.79	1.74	1.75	1.73	1.72
Finance and insurance	5.17	5.17	5.27	5.21	5.18
Real estate and rental and leasing	4.51	4.55	4.59	4.68	4.73
Professional, scientific, and technical services	6.91	7.01	6.98	7.04	7.08
Management of companies and enterprises	1.27	1.27	1.35	1.31	1.33
Administrative and waste management services	6.29	6.18	6.22	6.20	6.21
Educational services	2.42	2.42	2.40	2.39	2.38
Health care and social assistance	11.17	11.22	11.28	11.29	11.27
Arts, entertainment, and recreation	2.27	2.22	2.26	2.30	2.33
Accommodation and food services	7.28	7.34	7.45	7.51	7.51
Other services, except public administration	5.83	5.87	5.74	5.62	5.61
Government and government enterprises	12.92	12.69	12.57	12.41	12.23
Federal, civilian	1.50	1.48	1.47	1.45	1.42
Military	1.06	1.03	1.00	0.98	0.96
State and local	10.36	10.18	10.10	9.98	9.85
State government	2.86	2.81	2.77	2.73	2.69
Local government	7.49	7.37	7.33	7.24	7.16
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