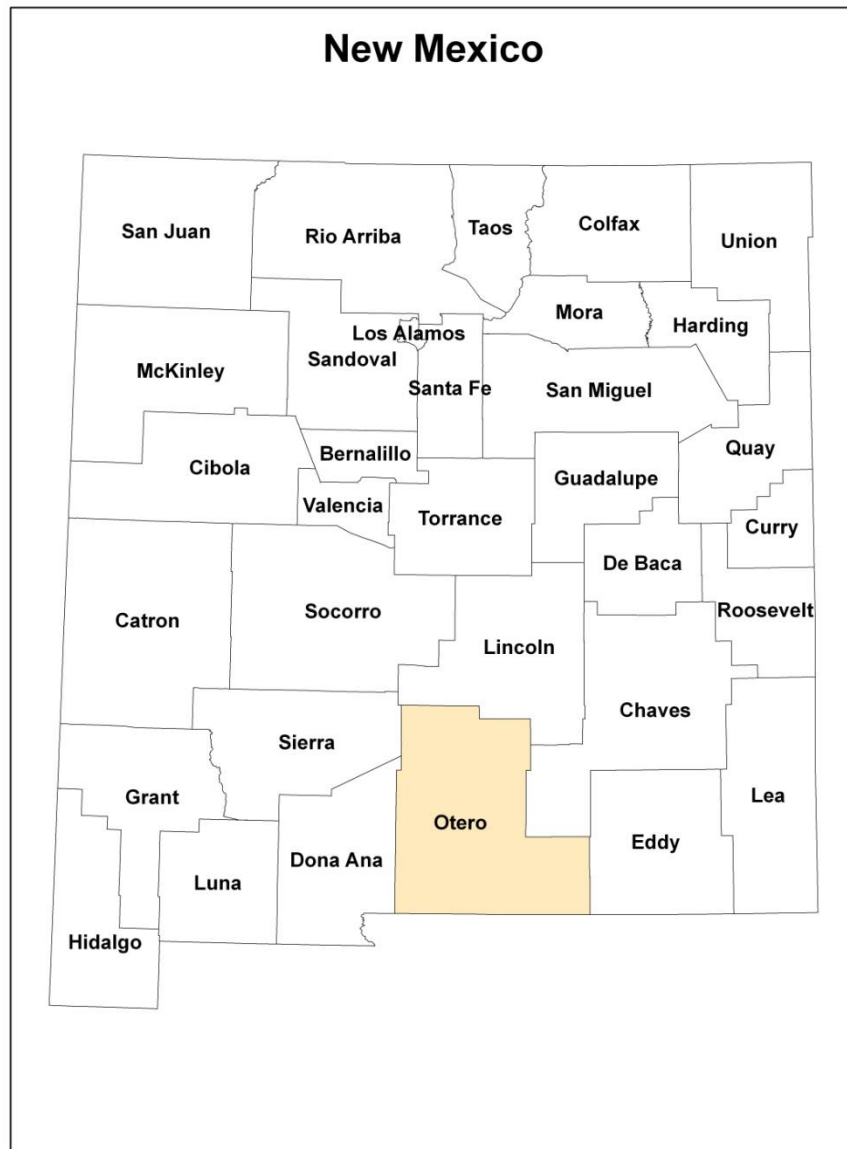




The Economic Base of Otero County, NM

PREPARED BY: The Office of Policy Analysis at Arrowhead Center,
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Introduction

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

The reports have been prepared under the direction of James Peach, Director of the Office of Policy Analysis. Leonardo Delgado and Noel Martinez, graduate students in the NMSU Doctorate in Economic Development program, did much of the work on the updates. Comments and suggestions are welcome and are to be sent to jpeach@nmsu.edu. Our intent is to update these reports on an annual basis.

An economic base study is a descriptive tool used to analyze the composition of 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:

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

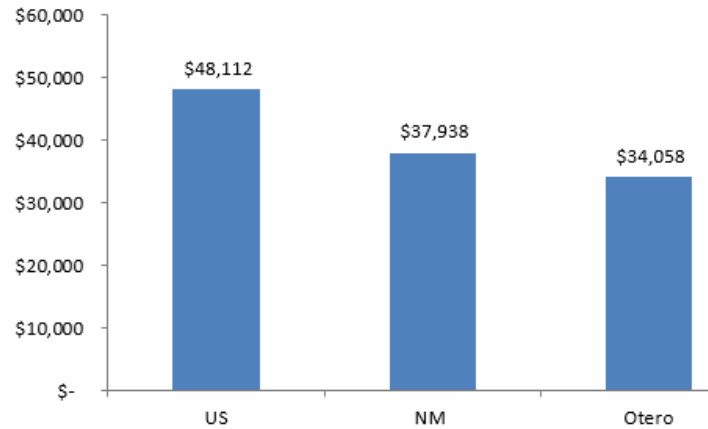
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, as the state or national economy. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the 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 Otero 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 (2011-2015). The economic data used in this report are from the U.S. Department of Commerce, Bureau of Economic Analysis (BEA) which can be found at www.bea.gov.

Otero County, New Mexico

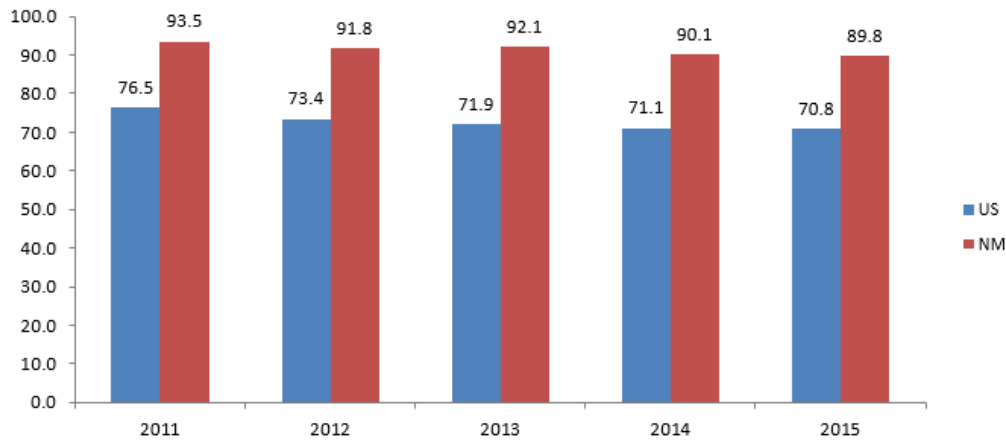
Otero County is located in south central New Mexico and is the 3rd largest county in terms of land area in the state, with 6,613.21 square miles. Otero County represents 5.45 percent of the land area in the state of New Mexico. The population of Otero County in 2015 was 64,362, 3.08 percent of the state total, and ranked 10th in the state in terms of population. Alamogordo, with a population of 30,796 in 2015, represented 47.84 percent of the total population for Otero County. Between 2011 and 2015, the population of Otero County decreased by 1.73 percent. During the same period, New Mexico's population increased by .33 percent and the United States' population increased by 3.11 percent.

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



Per capita income for Otero County in 2015 was \$34,058, ranking 21st in the state in terms of per capita income. Per capita income for Otero County in 2015 was 89.8 percent of the state average (\$37,938) and 70.8 percent of the national average (\$48,112) (See Figures 1 and 2). The percent growth of per capita income in Otero County between 2011 and 2015 of 4.86 percent was significantly less than the state (9.24 percent) and the nation (13.33 percent).

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



Total employment in Otero County was 27,738 in 2015. Between 2011 and 2015, total employment in Otero County decreased by 4.13 percent, compared to the statewide and nationwide employment increase of 2.88 percent and 7.89 percent, respectively. Otero County's employment-to-population ratio was 0.43 compared to the state ratio (0.53) and the national ratio (0.59). This ratio represents a low rate of the population being employed.

In 2015, 61.26 of all workers in Otero County were employed in the Private sector, while 1.91 percent worked in Farm employment, and 36.83 percent were employed in Government and government enterprises. Within the private sector, the industries with the highest percentages of total

employment included: Retail trade (10.88 percent), Health care and social assistance (10.00), Accommodation and food service (6.82), and Construction (5.75). In the public sector, Military and Local government were the largest employers. Military employed 14.03 percent of the total employment and Local Government employed 13.49 percent of total employment. Federal/civilian employed 6.29 percent and State government employed 3.01 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 2011 to 2015 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Otero County from 2011 to 2015 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 13.65 in 2015 and LQs exceeding 13.65 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 4.26 in 2015. 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 2015. State government had an LQ of 1.08; this sector will not be considered a basic industry for Otero County in 2015 as the LQ has remained at this level or below for all years considered. Local government employment in Otero County had an LQ of 1.82. 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 1.37 in 2015. Forestry, fisheries and related activities had a LQ of 1.40 and is considered a basic industry for 2015. 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 2015 included Utilities (1.48) and Construction (1.10). However, these sectors in Otero County are considered non-basic or support industries.

The data and analysis suggest that in 2015 the following industries should be considered basic industries in Otero County:

1. Federal government employment, accounted for 3,892 jobs for Military, and 1,745 jobs for Federal/civilian jobs.
2. The Agricultural sector, including Farm employment (529) and Forestry, fishing, and related industries (196), accounted for 725 total jobs.
3. Retail trade, accounted for 3,018 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 2.96 (27,738 / 9,380). This ratio suggests that the addition of each basic sector job in Otero County would be associated with additional 2.96 non-basic sector jobs. The export base multiplier (2.96) 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 in 2014 was 64,966 decreasing to 64,362 in 2015, a decrease of .93 percent. Per capita personal income for Otero County in 2015 was \$34,058, a 3.16 percent increase from \$33,014 in 2014. Basic industries remain unchanged in 2015.

Tables 1 to 10 appear on pages 6-15.

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

US Base	2011	2012	2013	2014	2015
By type					
Wage and salary employment	1.06	1.05	1.05	1.05	1.05
Proprietors employment	0.81	0.83	0.81	0.81	0.83
Farm proprietors employment	1.37	1.43	1.46	1.53	1.57
Nonfarm proprietors employment	0.78	0.80	0.78	0.78	0.79
By industry					
Farm employment	1.21	1.25	1.30	1.32	1.37
Nonfarm employment	1.00	1.00	1.00	1.00	0.99
Private nonfarm employment	0.70	0.71	0.70	0.70	0.71
Forestry, fishing, and related activities	1.50	N/A	N/A	1.31	1.40
Mining	0.38	0.69	N/A	0.83	0.87
Utilities	1.33	1.39	1.44	1.47	1.48
Construction	1.11	1.05	1.04	1.10	1.10
Manufacturing	0.14	0.15	0.15	0.14	0.10
Wholesale trade	0.27	0.28	0.29	0.26	0.29
Retail trade	0.99	1.02	1.00	1.01	1.08
Transportation and warehousing	0.50	0.50	0.50	0.48	0.48
Information	0.56	0.62	0.60	0.59	0.58
Finance and insurance	0.41	0.46	0.45	0.46	0.45
Real estate and rental and leasing	0.60	0.59	0.55	0.57	0.58
Professional, scientific, and technical services	0.57	N/A	0.65	0.62	0.57
Management of companies and enterprises	N/A	N/A	0.11	0.10	0.10
Administrative and waste management services	N/A	0.86	0.92	0.96	0.97
Educational services	0.42	0.50	0.27	0.15	0.17
Health care and social assistance	0.92	0.88	0.84	0.85	0.89
Arts, entertainment, and recreation	0.48	0.44	0.41	0.46	0.46
Accommodation and food services	0.90	0.94	0.91	0.92	0.92
Other services, except public administration	0.86	0.87	0.83	0.85	0.84
Government and government enterprises	2.81	2.83	2.92	2.93	2.90
Federal, civilian	4.25	4.19	4.18	4.13	4.26
Military	13.98	13.93	14.30	14.36	13.65
State and local	1.39	1.44	1.53	1.59	1.62
State government	1.00	1.01	1.02	1.07	1.08
Local government	1.53	1.60	1.72	1.79	1.82
Total employment	1.00	1.00	1.00	1.00	1.00
<i>Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation</i>					

Table 2: Location Quotients for Otero County (NM Base) 2011-2015

NM Based	2011	2012	2013	2014	2015
By type					
Wage and salary employment	1.04	1.04	1.04	1.04	1.04
Proprietors employment	0.84	0.85	0.84	0.85	0.86
Farm proprietors employment	0.75	0.74	0.74	0.77	0.77
Nonfarm proprietors employment	0.85	0.86	0.85	0.86	0.87
By industry					
Farm employment	0.70	0.69	0.70	0.72	0.73
Nonfarm employment	1.01	1.01	1.01	1.01	1.01
Private nonfarm employment	0.77	0.77	0.77	0.77	0.78
Forestry, fishing, and related activities	1.49	N/A	N/A	1.26	1.32
Mining	0.10	0.19	N/A	0.20	0.21
Utilities	1.02	1.05	1.05	1.08	1.10
Construction	0.99	0.96	0.96	1.02	1.04
Manufacturing	0.29	0.31	0.32	0.32	0.23
Wholesale trade	0.38	0.40	0.40	0.36	0.40
Retail trade	0.97	0.98	0.96	0.97	1.03
Transportation and warehousing	0.71	0.70	0.70	0.68	0.69
Information	0.67	0.72	0.72	0.72	0.71
Finance and insurance	0.67	0.75	0.75	0.74	0.73
Real estate and rental and leasing	0.73	0.72	0.68	0.71	0.72
Professional, scientific, and technical services	0.53	N/A	0.64	0.60	0.56
Management of companies and enterprises	N/A	N/A	0.26	0.24	0.23
Administrative and waste management services	N/A	1.06	1.13	1.20	1.23
Educational services	0.64	0.78	0.43	0.24	0.26
Health care and social assistance	0.89	0.85	0.82	0.83	0.85
Arts, entertainment, and recreation	0.48	0.45	0.41	0.46	0.46
Accommodation and food services	0.82	0.85	0.83	0.82	0.82
Other services, except public administration	0.96	0.99	0.95	0.97	0.96
Government and government enterprises	1.93	1.92	1.97	1.96	1.94
Federal, civilian	2.30	2.27	2.29	2.28	2.36
Military	9.74	9.39	9.34	9.41	9.09
State and local	0.99	1.01	1.07	1.10	1.11
State government	0.54	0.55	0.55	0.56	0.56
Local government	1.24	1.27	1.36	1.40	1.43
Total employment	1.00	1.00	1.00	1.00	1.00
<i>Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation</i>					

Table 3: Otero County Total Employment by Industry 2015		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	22,604	81.49
Proprietors employment	5,134	18.51
Farm proprietors employment	418	1.51
Nonfarm proprietors employment	4,716	17.00
By industry		
Farm employment	529	1.91
Nonfarm employment	27,209	98.09
Private nonfarm employment	16,993	61.26
Forestry, fishing, and related activities	196	0.71
Mining	191	0.69
Utilities	127	0.46
Construction	1,596	5.75
Manufacturing	196	0.71
Wholesale trade	286	1.03
Retail trade	3,018	10.88
Transportation and warehousing	460	1.66
Information	288	1.04
Finance and insurance	640	2.31
Real estate and rental and leasing	741	2.67
Professional, scientific, and technical services	1,105	3.98
Management of companies and enterprises	34	0.12
Administrative and waste management services	1,693	6.10
Educational services	116	0.42
Health care and social assistance	2,774	10.00
Arts, entertainment, and recreation	290	1.05
Accommodation and food services	1,891	6.82
Other services, except public administration	1,351	4.87
Government and government enterprises	10,216	36.83
Federal, civilian	1,745	6.29
Military	3,892	14.03
State and local	4,579	16.51
State government	836	3.01
Local government	3,743	13.49
Total employment	27,738	100.00

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

Table 4: Otero County Employment by Industry 2011-2015

Number of jobs by industry	2011	2012	2013	2014	2015
By type					
Wage and salary employment	23,753	23,329	23,325	22,634	22,604
Proprietors employment	5,181	5,190	5,084	4,991	5,134
Farm proprietors employment	421	421	423	419	418
Nonfarm proprietors employment 2/	4,760	4,769	4,661	4,572	4,716
By industry					
Farm employment	523	524	537	520	529
Nonfarm employment	28,411	27,995	27,872	27,105	27,209
Private nonfarm employment	17,210	17,126	16,926	16,636	16,993
Forestry, fishing, and related activities	212	(D)	(D)	183	196
Mining	77	170	(D)	196	191
Utilities	126	128	130	127	127
Construction	1,604	1,491	1,505	1,557	1,596
Manufacturing	279	296	303	274	196
Wholesale trade	271	281	283	253	286
Retail trade	2,930	2,938	2,870	2,815	3,018
Transportation and warehousing	471	471	469	446	460
Information	299	318	307	290	288
Finance and insurance	653	706	689	656	640
Real estate and rental and leasing	784	735	693	709	741
Professional, scientific, and technical services	1,126	(D)	1,279	1,175	1,105
Management of companies and enterprises	(D)	(D)	38	34	34
Administrative and waste management services	(D)	1,519	1,635	1,667	1,693
Educational services	281	336	185	102	116
Health care and social assistance	2,942	2,807	2,672	2,640	2,774
Arts, entertainment, and recreation	302	282	258	284	290
Accommodation and food services	1,828	1,893	1,864	1,861	1,891
Other services, except public administration	1,438	1,446	1,365	1,367	1,351
Government and government enterprises	11,201	10,869	10,946	10,469	10,216
Federal, civilian	2,034	1,917	1,841	1,712	1,745
Military	4,776	4,561	4,527	4,207	3,892
State and local	4,391	4,391	4,578	4,550	4,579
State government	862	841	836	841	836
Local government	3,529	3,550	3,742	3,709	3,743
Total employment	28,934	28,519	28,409	27,625	27,738
Source: Bureau of Economic Analysis at www.bea.gov , table CA25N					

Table 5: New Mexico Employment by Industry 2011-2015

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

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

Table 6: United States Employment by Industry 2011-2015

Number of jobs by industry	2011	2012	2013	2014	2015
By type					
Wage and salary employment	137,105,000	139,721,000	142,015,000	144,811,000	147,634,000
Proprietors employment	39,173,700	39,360,700	40,393,100	41,357,100	42,561,400
Farm proprietors employment	1,876,000	1,844,000	1,856,000	1,842,000	1,825,000
Nonfarm proprietors employment	37,297,700	37,516,700	38,537,100	39,515,100	40,736,400
By industry					
Farm employment	2,639,000	2,623,000	2,646,000	2,645,000	2,642,000
Nonfarm employment	173,639,700	176,458,700	179,762,100	183,523,100	187,553,400
Private nonfarm employment	149,350,700	152,356,700	155,708,100	159,476,100	163,411,400
Forestry, fishing, and related activities	860,600	886,400	911,100	943,000	962,000
Mining	1,244,000	1,551,200	1,606,000	1,593,500	1,504,600
Utilities	575,500	577,600	578,300	580,600	588,500
Construction	8,774,800	8,944,800	9,251,800	9,582,300	9,948,900
Manufacturing	12,385,700	12,605,200	12,760,200	12,905,600	13,091,200
Wholesale trade	6,160,300	6,243,500	6,345,100	6,574,900	6,785,600
Retail trade	17,954,300	18,085,800	18,383,100	18,744,100	19,149,000
Transportation and warehousing	5,684,800	5,872,400	6,020,800	6,273,400	6,605,300
Information	3,230,000	3,224,700	3,264,600	3,327,000	3,376,600
Finance and insurance	9,751,500	9,702,300	9,816,300	9,617,000	9,645,700
Real estate and rental and leasing	7,936,300	7,859,200	8,060,800	8,421,800	8,727,200
Professional, scientific, and technical services	11,970,100	12,211,200	12,549,300	12,867,700	13,242,900
Management of companies and enterprises	2,080,600	2,180,200	2,265,000	2,366,300	2,431,800
Administrative and waste management services	10,753,600	11,035,400	11,371,900	11,730,200	12,022,900
Educational services	4,122,600	4,198,200	4,329,100	4,488,100	4,662,000
Health care and social assistance	19,417,200	20,112,500	20,514,200	20,830,400	21,309,800
Arts, entertainment, and recreation	3,873,300	3,980,900	4,045,800	4,182,300	4,289,000
Accommodation and food services	12,343,400	12,670,500	13,105,200	13,560,900	14,032,200
Other services, except public administration	10,232,100	10,414,700	10,529,500	10,887,000	11,036,200
Government and government enterprises	24,289,000	24,102,000	24,054,000	24,047,000	24,142,000
Federal, civilian	2,918,000	2,875,000	2,825,000	2,793,000	2,811,000
Military	2,081,000	2,056,000	2,032,000	1,975,000	1,955,000
State and local	19,290,000	19,171,000	19,197,000	19,279,000	19,376,000
State government	5,266,000	5,254,000	5,262,000	5,278,000	5,297,000
Local government	14,024,000	13,917,000	13,935,000	14,001,000	14,079,000
Total employment	176,278,700	179,081,700	182,408,100	186,168,100	190,195,400
<i>Source: Bureau of Economic Analysis at www.bea.gov, table CA25N</i>					

Table 7: Otero County, New Mexico and United States Percent of Employment by Industry 2015			
	United States	New Mexico	Otero County
By type			
Wage and salary employment	77.62	78.45	81.49
Proprietors employment	22.38	21.55	18.51
Farm proprietors employment	0.96	1.94	1.51
Nonfarm proprietors employment	21.42	19.61	17.00
By industry			
Farm employment	1.39	2.63	1.91
Nonfarm employment	98.61	97.37	98.09
Private nonfarm employment	85.92	78.34	61.26
Forestry, fishing, and related activities	0.51	0.54	0.71
Mining	0.79	3.28	0.69
Utilities	0.31	0.42	0.46
Construction	5.23	5.53	5.75
Manufacturing	6.88	3.11	0.71
Wholesale trade	3.57	2.61	1.03
Retail trade	10.07	10.56	10.88
Transportation and warehousing	3.47	2.41	1.66
Information	1.78	1.46	1.04
Finance and insurance	5.07	3.16	2.31
Real estate and rental and leasing	4.59	3.69	2.67
Professional, scientific, and technical services	6.96	7.08	3.98
Management of companies and enterprises	1.28	0.53	0.12
Administrative and waste management services	6.32	4.94	6.10
Educational services	2.45	1.60	0.42
Health care and social assistance	11.20	11.83	10.00
Arts, entertainment, and recreation	2.26	2.27	1.05
Accommodation and food services	7.38	8.27	6.82
Other services, except public administration	5.80	5.07	4.87
Government and government enterprises	12.69	19.03	36.83
Federal, civilian	1.48	2.66	6.29
Military	1.03	1.54	14.03
State and local	10.19	14.82	16.51
State government	2.79	5.38	3.01
Local government	7.40	9.45	13.49
Total employment	100.00	100.00	100.00
<i>Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation</i>			

Table 8: Otero County Percent of Employment by Sectors 2011-2015					
Description	2011	2012	2013	2014	2015
By type					
Wage and salary employment	82.09	81.80	82.10	81.93	81.49
Proprietors employment	17.91	18.20	17.90	18.07	18.51
Farm proprietors employment	1.46	1.48	1.49	1.52	1.51
Nonfarm proprietors employment	16.45	16.72	16.41	16.55	17.00
By industry					
Farm employment	1.81	1.84	1.89	1.88	1.91
Nonfarm employment	98.19	98.16	98.11	98.12	98.09
Private nonfarm employment	59.48	60.05	59.58	60.22	61.26
Forestry, fishing, and related activities	0.73	N/A	N/A	0.66	0.71
Mining	0.27	0.60	N/A	0.71	0.69
Utilities	0.44	0.45	0.46	0.46	0.46
Construction	5.54	5.23	5.30	5.64	5.75
Manufacturing	0.96	1.04	1.07	0.99	0.71
Wholesale trade	0.94	0.99	1.00	0.92	1.03
Retail trade	10.13	10.30	10.10	10.19	10.88
Transportation and warehousing	1.63	1.65	1.65	1.61	1.66
Information	1.03	1.12	1.08	1.05	1.04
Finance and insurance	2.26	2.48	2.43	2.37	2.31
Real estate and rental and leasing	2.71	2.58	2.44	2.57	2.67
Professional, scientific, and technical services	3.89	N/A	4.50	4.25	3.98
Management of companies and enterprises	N/A	N/A	0.13	0.12	0.12
Administrative and waste management services	N/A	5.33	5.76	6.03	6.10
Educational services	0.97	1.18	0.65	0.37	0.42
Health care and social assistance	10.17	9.84	9.41	9.56	10.00
Arts, entertainment, and recreation	1.04	0.99	0.91	1.03	1.05
Accommodation and food services	6.32	6.64	6.56	6.74	6.82
Other services, except public administration	4.97	5.07	4.80	4.95	4.87
Government and government enterprises	38.71	38.11	38.53	37.90	36.83
Federal, civilian	7.03	6.72	6.48	6.20	6.29
Military	16.51	15.99	15.94	15.23	14.03
State and local	15.18	15.40	16.11	16.47	16.51
State government	2.98	2.95	2.94	3.04	3.01
Local government	12.20	12.45	13.17	13.43	13.49
Total employment	100.00	100.00	100.00	100.00	100.00
<i>Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation</i>					

Table 9: New Mexico Percent of Employment by Industry 2011-2015					
Description	2011	2012	2013	2014	2015
By type					
Wage and salary employment	78.60	78.65	78.72	78.80	78.45
Proprietors employment	21.40	21.35	21.28	21.20	21.55
Farm proprietors employment	1.94	2.01	2.00	1.97	1.94
Nonfarm proprietors employment	19.46	19.34	19.28	19.23	19.61
By industry					
Farm employment	2.56	2.66	2.72	2.60	2.63
Nonfarm employment	97.44	97.34	97.28	97.40	97.37
Private nonfarm employment	77.36	77.50	77.69	78.06	78.34
Forestry, fishing, and related activities	0.49	0.48	0.49	0.53	0.54
Mining	2.66	3.21	3.42	3.53	3.28
Utilities	0.43	0.43	0.43	0.42	0.42
Construction	5.57	5.43	5.51	5.52	5.53
Manufacturing	3.36	3.35	3.30	3.14	3.11
Wholesale trade	2.49	2.48	2.48	2.54	2.61
Retail trade	10.47	10.48	10.49	10.54	10.56
Transportation and warehousing	2.28	2.38	2.37	2.39	2.41
Information	1.55	1.54	1.49	1.45	1.46
Finance and insurance	3.34	3.29	3.24	3.20	3.16
Real estate and rental and leasing	3.73	3.58	3.58	3.63	3.69
Professional, scientific, and technical services	7.28	7.13	7.06	7.03	7.08
Management of companies and enterprises	0.52	0.51	0.51	0.52	0.53
Administrative and waste management services	5.14	5.00	5.08	5.03	4.94
Educational services	1.53	1.51	1.52	1.54	1.60
Health care and social assistance	11.42	11.54	11.51	11.54	11.83
Arts, entertainment, and recreation	2.17	2.22	2.21	2.22	2.27
Accommodation and food services	7.73	7.80	7.95	8.17	8.27
Other services, except public administration	5.18	5.12	5.05	5.11	5.07
Government and government enterprises	20.07	19.85	19.60	19.34	19.03
Federal, civilian	3.06	2.96	2.82	2.72	2.66
Military	1.70	1.70	1.71	1.62	1.54
State and local	15.31	15.18	15.07	15.00	14.82
State government	5.47	5.39	5.37	5.43	5.38
Local government	9.84	9.79	9.70	9.57	9.45
Total employment	100.00	100.00	100.00	100.00	100.00
<i>Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculations</i>					

Table 10: United States Percent of Employment by Industry 2011-2015

Description	2011	2012	2013	2014	2015
By type					
Wage and salary employment	77.78	78.02	77.86	77.79	77.62
Proprietors employment	22.22	21.98	22.14	22.21	22.38
Farm proprietors employment	1.06	1.03	1.02	0.99	0.96
Nonfarm proprietors employment	21.16	20.95	21.13	21.23	21.42
By industry					
Farm employment	1.50	1.46	1.45	1.42	1.39
Nonfarm employment	98.50	98.54	98.55	98.58	98.61
Private nonfarm employment	84.72	85.08	85.36	85.66	85.92
Forestry, fishing, and related activities	0.49	0.49	0.50	0.51	0.51
Mining	0.71	0.87	0.88	0.86	0.79
Utilities	0.33	0.32	0.32	0.31	0.31
Construction	4.98	4.99	5.07	5.15	5.23
Manufacturing	7.03	7.04	7.00	6.93	6.88
Wholesale trade	3.49	3.49	3.48	3.53	3.57
Retail trade	10.19	10.10	10.08	10.07	10.07
Transportation and warehousing	3.22	3.28	3.30	3.37	3.47
Information	1.83	1.80	1.79	1.79	1.78
Finance and insurance	5.53	5.42	5.38	5.17	5.07
Real estate and rental and leasing	4.50	4.39	4.42	4.52	4.59
Professional, scientific, and technical services	6.79	6.82	6.88	6.91	6.96
Management of companies and enterprises	1.18	1.22	1.24	1.27	1.28
Administrative and waste management services	6.10	6.16	6.23	6.30	6.32
Educational services	2.34	2.34	2.37	2.41	2.45
Health care and social assistance	11.02	11.23	11.25	11.19	11.20
Arts, entertainment, and recreation	2.20	2.22	2.22	2.25	2.26
Accommodation and food services	7.00	7.08	7.18	7.28	7.38
Other services, except public administration	5.80	5.82	5.77	5.85	5.80
Government and government enterprises	13.78	13.46	13.19	12.92	12.69
Federal, civilian	1.66	1.61	1.55	1.50	1.48
Military	1.18	1.15	1.11	1.06	1.03
State and local	10.94	10.71	10.52	10.36	10.19
State government	2.99	2.93	2.88	2.84	2.79
Local government	7.96	7.77	7.64	7.52	7.40
Total employment	100.00	100.00	100.00	100.00	100.00
<i>Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation</i>					