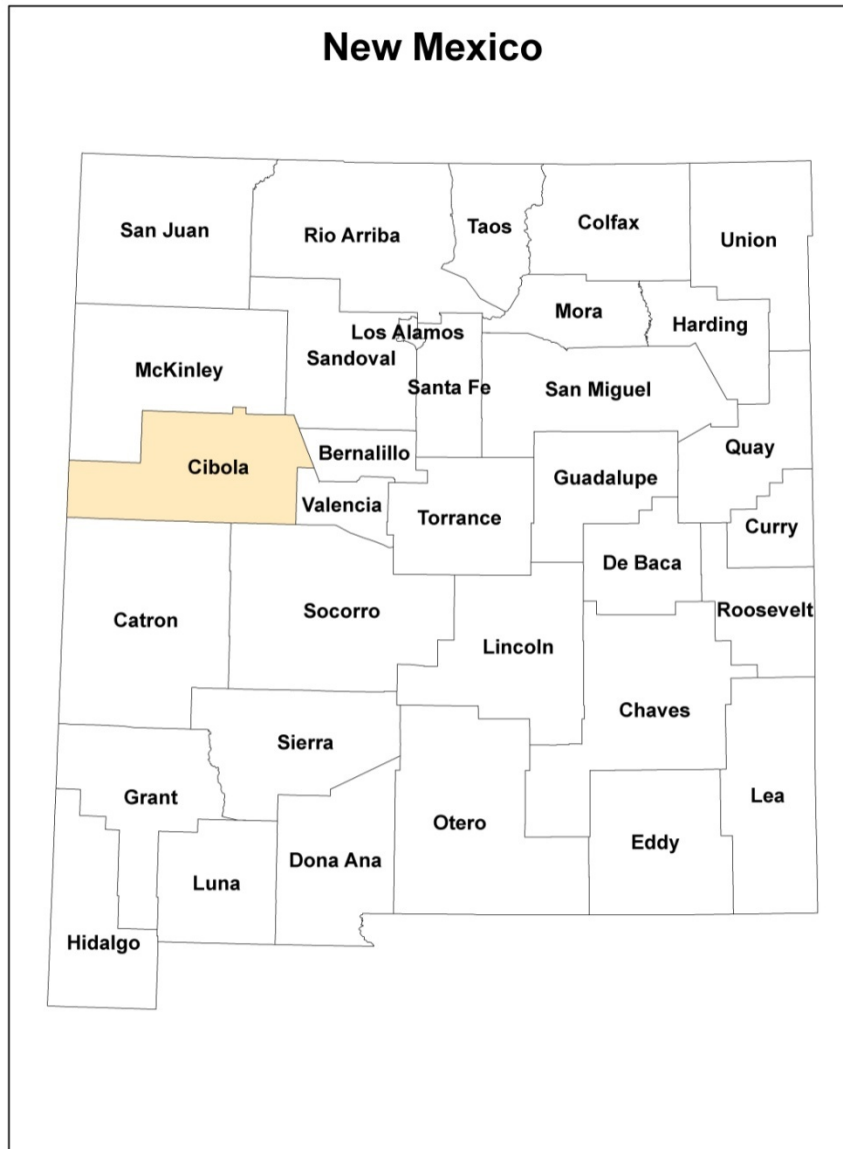




The Economic Base of Cibola County, NM

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Introduction

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

The reports have been prepared under the direction of James Peach. Erin Sumner and Theophilus Djaba, graduate students in the NMSU Doctorate in Economic Development program, did much of the work on the updates. Comments and suggestions are welcome and are to be sent to jpeach@nmsu.edu. Our intent is to update these reports on an annual basis.

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

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

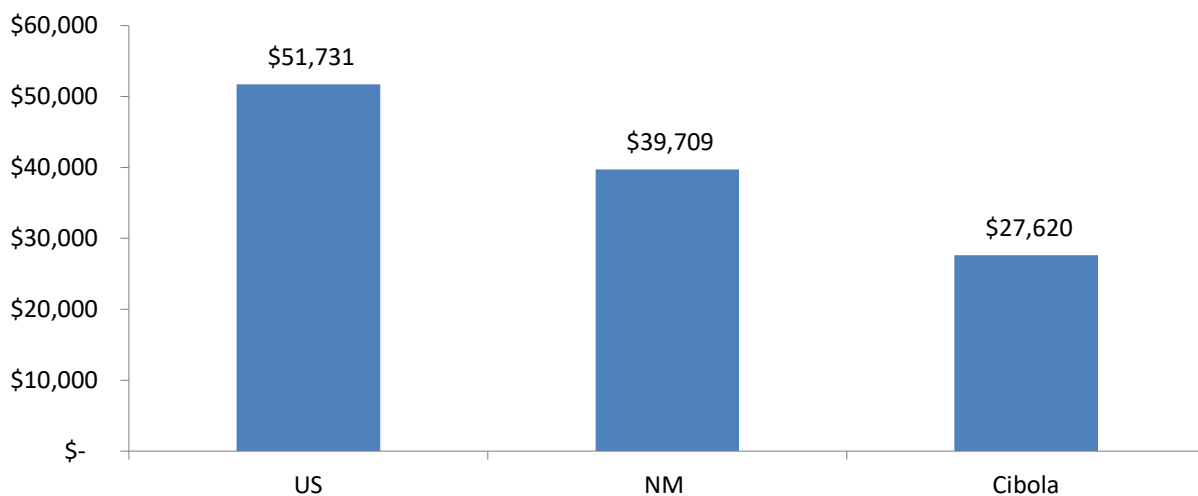
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national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

Cibola County, New Mexico

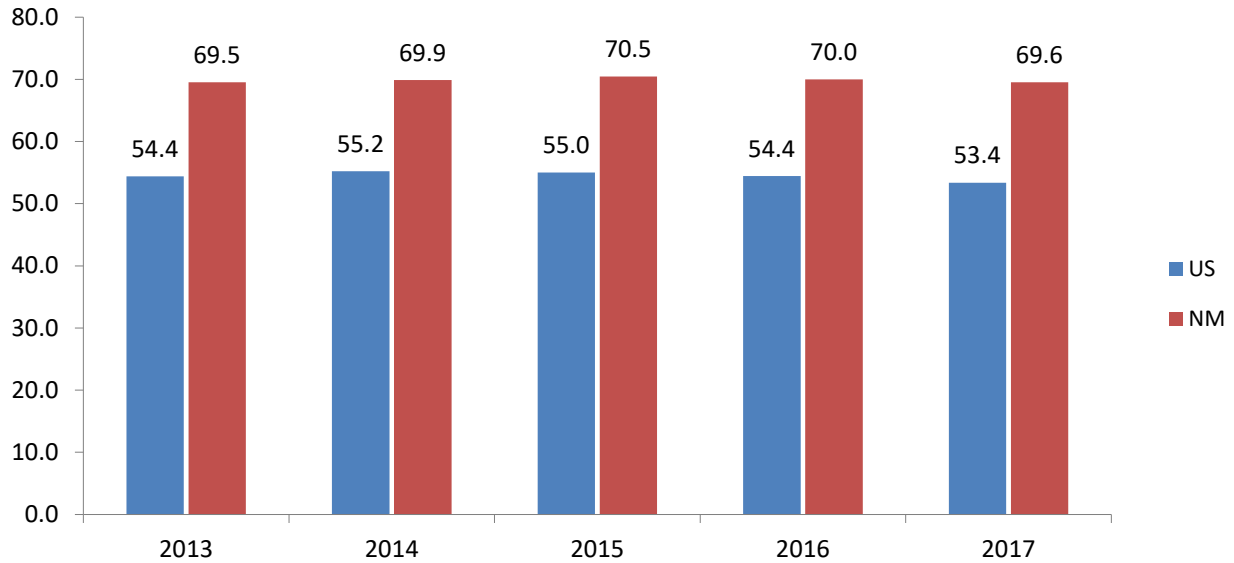
Cibola County is located in central western New Mexico and contains 4,539.48 square miles, or (3.74) percent of the land area in New Mexico. The population of Cibola County in 2017 was 26,853, which represented (1.28) percent of the state total and ranking 17th in the state of New Mexico in terms of population. According to the 2017 U.S. Census, the City of Grants with a population 9,011 contained 33.56 percent of the population of Cibola County (U.S Census Bureau, 2018). Between 2013 and 2017, Cibola County's population decreased by 1.78 percent from a population of 27,341 in 2013 to 26,853 in 2017. For comparison purposes, New Mexico's population increased by 0.03 percent during the same period and the United States population increased by 2.88 percent during the same period.

Figure 1. Per Capita Personal Income: Cibola (2017)



Per capita personal income in Cibola County in 2017 was \$ 27,620, ranking 32rd in the state, representing (69.56) percent of the corresponding state figure of \$39,709 and 53.39 percent of the national average of \$51,731 (See Figure 1 and 2). Despite having a relatively low per capita income with respect to the state and national figures, the growth rate of per capita income in Cibola County between 2013 and 2017 of 13.22 percent was slightly higher than New Mexico (13.21 percent) but was lower than the United States (15.34 percent) during the same period.

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



The total number of jobs in Cibola County was 10,146 in 2017. Between 2013 and 2017, total employment in Cibola County decreased by 0.86 percent while the state saw an increase in employment of 2.08 percent and the nation’s employment increased by 7.57 percent. The Cibola County employment to population ratio was 0.38, which was lower than the state ratio (0.52) and the national ratio (0.60) in 2017.

In 2017, the Private sector employed 63.92 percent of all workers in Cibola County, while Government and government enterprises accounted for 31.74 percent of the total employment compared to Farm employment that accounted for 4.35 percent. The industries with the highest percentages of total employment in 2017 included: Retail trade (9.63), Accommodation and food services (6.79) and Administrative and Waste management services (5.12). In the public sector, State and local government were the largest employers (28.26 percent). Local government accounted for 23.24 percent of employment while State government accounted for 5.02 percent. Federal/civilian and military employment accounted for 2.86 percent and 0.62 percent of the total, respectively. Cibola County employment by sector for 2017 is displayed in Table 3.

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

Table 1 contains LQs for Cibola County from 2013 to 2017 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Cibola 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 U.S. employment is considered as a basic industry. Sectors with an LQ greater than 1.0 have been shaded.

Farm employment, as part of the agricultural sector, is considered a basic industry for Cibola County with a LQ of 3.24 in 2017. Utilities was also found to be a basic industry as its LQ was 2.48 for 2017 and was above 6.69 for the years 2013 through 2016.

Although data was not released for the mining sector to avoid disclosure of confidential information for the period of 2013 to 2017, mining has historically been basic industry in Cibola County.

For the public sector, the entry labeled Government and government enterprises is the aggregate figure of all government levels listed as government categories. In 2017, federal, state, and local government employment had LQs greater than 1.0. Federal/civilian employment had a LQ of 1.96 in 2017, reflecting the employment base of Cibola National Forest. Similarly, state government employment had a LQ of 1.83 in 2017, reflecting the employment base of Bluewater Lake State Park. In this analysis both industries, Federal/civilian and State government, are considered basic economic sectors. In 2017, Local government had a LQ of 3.20. However, 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 Cibola County will be considered as a non-basic industry.

The data and analysis for 2017 suggests the following industries should be considered basic industries in Cibola County:

1. Farm employment with 441 jobs.
2. Federal civilian employment with 290 jobs.
3. State government employment with 509 jobs.
4. Utilities with 85 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 Cibola County the multiplier is equal to 7.65 (10,146 / 1,325). This ratio suggests that the addition of each basic sector job in Cibola County would be associated with additional 7.65 non-basic sector jobs. The export base multiplier (7.65) calculated above reinforces the importance of basic (exporting) industries to the economy of Cibola 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 Cibola County, potential double counting occupation may result in an upward bias of the multiplier given that farm proprietors often have more than one occupation. Also, employment data for Mining and Health care and social assistance sectors were not available in 2017. While they have traditionally been shown to be basic industries in the county, they were not included in the analysis due to unavailability of data.

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.

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 following are significant changes for Cibola County for the years preceding 2017. Between 2016 and 2017, the population of Cibola County decreased by 0.53 percent, from 26,996 in 2016 to 26,853 in 2017. Per capita income increased by 1.70 percent from \$27,158 to \$ 27,620 from 2016 to 2017. Total employment decreased by 1.76 percent, from 10,328 in 2016 to 10,146 in 2017 resulting in a loss of 182 jobs during this period. Due to unavailability of data for the Mining and Health care and social assistance sectors were not included as basic industries in this analysis. Retail trade, Administrative and waste management services, and Accommodation and food services are industries with LQs close to 1.0 that may entail further analysis in future years.

Tables 1 to 10 appear on pages 8-17

Table 1: Location Quotients for Cibola County (US Base) 2013-2017					
US Base	2013	2014	2015	2016	2017
By type					
Wage and salary employment	1.05	1.04	1.05	1.04	1.04
Proprietors employment	0.83	0.86	0.84	0.85	0.88
Farm proprietors employment	4.09	4.16	4.26	4.33	4.52
Nonfarm proprietors employment	0.68	0.71	0.69	0.70	0.72
By industry					
Farm employment	2.98	3.00	3.07	3.12	3.24
Nonfarm employment	0.97	0.97	0.97	0.97	0.97
Private nonfarm employment	0.74	0.74	0.74	0.75	0.74
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	6.69	6.84	6.78	6.71	2.48
Construction	0.40	0.40	0.42	0.49	0.57
Manufacturing	0.20	0.23	0.23	0.23	0.25
Wholesale trade	0.62	0.62	0.69	0.72	0.61
Retail trade	1.00	0.99	1.01	0.98	0.98
Transportation and warehousing	0.25	0.24	0.23	0.22	0.23
Information	0.19	0.16	N/A	N/A	0.13
Finance and insurance	0.28	0.32	0.30	0.33	0.34
Real estate and rental and leasing	0.24	0.26	0.23	0.23	0.22
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	0.20
Management of companies and enterprises	N/A	N/A	N/A	N/A	0.06
Administrative and waste management services	0.99	0.95	0.90	0.86	0.83
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	N/A	N/A	N/A	N/A	N/A
Arts, entertainment, and recreation	0.40	0.38	0.42	0.49	0.49
Accommodation and food services	0.93	0.90	0.86	0.92	0.91
Other services, except public administration	0.60	0.58	N/A	N/A	0.59
Government and government enterprises	2.45	2.48	2.50	2.51	2.55
Federal, civilian	2.08	2.06	2.10	2.07	1.96
Military	0.60	0.58	0.60	0.62	0.63
State and local	2.70	2.74	2.75	2.75	2.82
State government	1.94	1.99	1.95	1.78	1.83
Local government	2.99	3.02	3.06	3.12	3.20
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 Cibola County (NM Base) 2013-2017					
	2013	2014	2015	2016	2017
NM Based					
By type					
Wage and salary employment	1.04	1.03	1.03	1.03	1.02
Proprietors employment	0.87	0.90	0.89	0.90	0.92
Farm proprietors employment	2.08	2.08	2.09	2.10	2.15
Nonfarm proprietors employment	0.74	0.78	0.76	0.78	0.80
By industry					
Farm employment	1.59	1.63	1.61	1.57	1.67
Nonfarm employment	0.98	0.98	0.98	0.98	0.98
Private nonfarm employment	0.82	0.82	0.82	0.82	0.81
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	4.90	5.03	4.96	4.81	1.80
Construction	0.37	0.38	0.40	0.47	0.54
Manufacturing	0.43	0.50	0.50	0.52	0.57
Wholesale trade	0.87	0.84	0.95	1.04	0.89
Retail trade	0.96	0.94	0.96	0.93	0.95
Transportation and warehousing	0.35	0.33	0.33	0.35	0.36
Information	0.23	0.19	N/A	N/A	0.16
Finance and insurance	0.47	0.51	0.48	0.53	0.55
Real estate and rental and leasing	0.30	0.33	0.29	0.28	0.28
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	0.20
Management of companies and enterprises	N/A	N/A	N/A	N/A	0.13
Administrative and waste management services	1.22	1.19	1.15	1.09	1.02
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	N/A	N/A	N/A	N/A	N/A
Arts, entertainment, and recreation	0.40	0.39	0.42	0.50	0.50
Accommodation and food services	0.84	0.81	0.77	0.81	0.80
Other services, except public administration	0.69	0.66	N/A	N/A	0.67
Government and government enterprises	1.65	1.66	1.66	1.65	1.69
Federal, civilian	1.14	1.14	1.16	1.13	1.07
Military	0.39	0.38	0.40	0.39	0.39
State and local	1.89	1.89	1.88	1.88	1.94
State government	1.05	1.05	1.02	0.92	0.96
Local government	2.35	2.37	2.38	2.42	2.50
Total employment	1.0	1.0	1.0	1.00	1.00

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

Table 3: Cibola County, Total Employment by Industry 2017		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	8139	80.22
Proprietors employment	2007	19.78
Farm proprietors employment	424	4.18
Nonfarm proprietors employment	1583	15.60
By industry		
Farm employment	441	4.35
Nonfarm employment	9705	95.65
Private nonfarm employment	6485	63.92
Forestry, fishing, and related activities	N/A	N/A
Mining	N/A	N/A
Utilities	85	0.84
Construction	315	3.10
Manufacturing	175	1.72
Wholesale trade	205	2.02
Retail trade	977	9.63
Transportation and warehousing	90	0.89
Information	22	0.22
Finance and insurance	186	1.83
Real estate and rental and leasing	105	1.03
Professional, scientific, and technical services	144	1.42
Management of companies and enterprises	8	0.08
Administrative and waste management services	519	5.12
Educational services	N/A	N/A
Health care and social assistance	N/A	N/A
Arts, entertainment, and recreation	114	1.12
Accommodation and food services	689	6.79
Other services, except public administration	343	3.38
Government and government enterprises	3220	31.74
Federal, civilian	290	2.86
Military	63	0.62
State and local	2867	28.26
State government	509	5.02
Local government	2358	23.24
Total employment	10,146	100.00

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

Table 4: Cibola County Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	8343	8342	8386	8354	8139
Proprietors employment	1891	1976	1946	1974	2007
Farm proprietors employment	426	425	424	422	424
Nonfarm proprietors employment 2/	1465	1551	1522	1552	1583
By industry					
Farm employment	443	440	441	441	441
Nonfarm employment	9791	9878	9891	9887	9705
Private nonfarm employment	6485	6572	6611	6636	6485
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	217	220	220	223	85
Construction	208	213	225	269	315
Manufacturing	146	163	160	162	175
Wholesale trade	221	231	257	249	205
Retail trade	1027	1022	1048	1002	977
Transportation and warehousing	85	82	85	88	90
Information	35	29	N/A	N/A	22
Finance and insurance	156	169	158	179	186
Real estate and rental and leasing	108	122	109	107	105
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	144
Management of companies and enterprises	N/A	N/A	N/A	N/A	8
Administrative and waste management services	634	616	576	554	519
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	N/A	N/A	N/A	N/A	N/A
Arts, entertainment, and recreation	91	90	97	114	114
Accommodation and food services	687	677	653	705	689
Other services, except public administration	354	348	N/A	N/A	343
Government and government enterprises	3306	3306	3280	3251	3220
Federal, civilian	330	319	320	315	290
Military	68	63	64	64	63
State and local	2908	2924	2896	2872	2867
State government	579	587	567	510	509
Local government	2329	2337	2329	2362	2358
Total employment	10,234	10,318	10,332	10,328	10,146

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

Table 5: New Mexico Employment by Industry 2013-2017

Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	846,495	852,348	860,023	861,222	862,272
Proprietors employment	228,970	231,044	231,850	231,184	235,600
Farm proprietors employment	21,547	21,473	21,405	21,291	21,372
Nonfarm proprietors employment	207,423	209,571	210,445	209,893	214,228
By industry					
Farm employment	29,208	28,262	28,866	29,641	28,633
Nonfarm employment	1,046,257	1,055,130	1,063,007	1,062,765	1,069,239
Private nonfarm employment	835,402	845,778	854,438	854,243	862,954
Forestry, fishing, and related activities	5,235	5,675	5,540	5,819	5,658
Mining	36,857	38,222	36,655	31,808	33,725
Utilities	4,652	4,591	4,684	4,900	5,099
Construction	59,142	59,584	59,709	60,012	62,633
Manufacturing	35,463	34,022	34,158	33,188	33,239
Wholesale trade	26,688	28,856	28,502	25,379	24,946
Retail trade	112,726	113,923	114,888	113,636	111,443
Transportation and warehousing	25,502	25,903	27,243	26,672	27,060
Information	16,059	15,725	15,588	16,001	15,339
Finance and insurance	35,010	34,783	34,461	35,684	36,737
Real estate and rental and leasing	38,414	39,111	39,660	39,866	40,634
Professional, scientific, and technical services	75,919	76,116	77,542	77,751	79,601
Management of companies and enterprises	5,502	5,631	5,877	6,337	6,449
Administrative and waste management services	54,597	54,370	52,998	53,887	55,307
Educational services	16,426	16,736	16,965	17,026	17,020
Health care and social assistance	123,737	124,796	129,720	134,269	134,712
Arts, entertainment, and recreation	23,734	24,225	24,245	24,151	24,831
Accommodation and food services	85,494	88,296	90,192	92,521	93,037
Other services, except public administration	54,245	55,213	55,811	55,336	55,484
Government and government enterprises	210,855	209,352	208,569	208,522	206,285
Federal, civilian	30,400	29,452	29,188	29,385	29,288
Military	18,350	17,518	16,923	17,159	17,348
State and local	162,105	162,382	162,458	161,978	159,649
State government	57,772	58,752	58,962	58,703	57,617
Local government	104,333	103,630	103,496	103,275	102,032
Total employment	1,075,465	1,083,392	1,091,873	1,092,406	1,097,872

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

Table 6: United States Employment by Industry 2013-2017

Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	141,932,000	144,722,000	147,635,000	149,904,000	151,825,000
Proprietors employment	40,393,100	41,513,800	42,682,800	43,464,900	44,307,200
Farm proprietors employment	1,856,000	1,842,000	1,832,000	1,823,000	1,812,000
Nonfarm proprietors employment 2/	38,537,100	39,671,800	40,850,800	41,641,900	42,495,200
By industry					
Farm employment	2,645,000	2,645,000	2,649,000	2,643,000	2,631,000
Nonfarm employment	179,680,100	183,590,800	187,668,800	190,725,900	193,501,200
Private nonfarm employment	155,625,100	159,536,800	163,523,800	166,427,900	169,096,200
Forestry, fishing, and related activities	909,100	941,000	915,900	935,200	926,400
Mining	1,607,000	1,597,500	1,553,300	1,452,200	1,511,100
Utilities	578,300	580,600	597,400	622,000	663,500
Construction	9,237,800	9,564,300	9,844,900	10,322,100	10,634,600
Manufacturing	12,761,200	12,908,600	13,076,600	13,131,900	13,304,800
Wholesale trade	6,343,100	6,720,600	6,819,100	6,464,400	6,478,900
Retail trade	18,369,100	18,713,100	19,095,300	19,199,500	19,222,200
Transportation and warehousing	6,012,800	6,282,400	6,929,700	7,413,200	7,663,800
Information	3,264,600	3,327,000	3,316,400	3,384,900	3,384,400
Finance and insurance	9,815,300	9,621,000	9,844,600	10,187,400	10,510,200
Real estate and rental and leasing	8,056,800	8,405,800	8,668,300	8,868,200	9,105,900
Professional, scientific, and technical services	12,544,300	12,864,700	13,333,200	13,496,900	13,721,000
Management of companies and enterprises	2,265,000	2,360,300	2,425,500	2,603,800	2,667,400
Administrative and waste management services	11,366,900	11,719,200	11,770,600	12,033,600	12,088,500
Educational services	4,339,100	4,498,100	4,610,900	4,641,800	4,691,200
Health care and social assistance	20,499,200	20,798,400	21,351,100	21,817,100	22,201,200
Arts, entertainment, and recreation	4,043,800	4,223,300	4,220,100	4,363,100	4,455,500
Accommodation and food services	13,099,200	13,548,900	13,977,700	14,399,000	14,697,400
Other services, except public administration	10,512,500	10,862,000	11,173,200	11,091,600	11,168,200
Government and government enterprises	24,055,000	24,054,000	24,145,000	24,298,000	24,405,000
Federal, civilian	2,826,000	2,792,000	2,810,000	2,847,000	2,857,000
Military	2,032,000	1,975,000	1,956,000	1,927,000	1,929,000
State and local	19,197,000	19,287,000	19,379,000	19,524,000	19,619,000
State government	5,306,000	5,330,000	5,349,000	5,351,000	5,365,000
Local government	13,891,000	13,957,000	14,030,000	14,173,000	14,254,000
Total employment	182,325,100	186,235,800	190,317,800	193,368,900	196,132,200

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

Table 7: Cibola County, New Mexico and United States Percent of Employment by Industry 2017

	United States	New Mexico	Cibola
By type			
Wage and salary employment	77.41	78.54	80.22
Proprietors employment	22.59	21.46	19.78
Farm proprietors employment	0.92	1.95	4.18
Nonfarm proprietors employment	21.67	19.51	15.60
By industry			
Farm employment	1.34	2.61	4.35
Nonfarm employment	98.66	97.39	95.65
Private nonfarm employment	86.22	78.60	63.92
Forestry, fishing, and related activities	0.47	0.52	N/A
Mining	0.77	3.07	N/A
Utilities	0.34	0.46	0.84
Construction	5.42	5.70	3.10
Manufacturing	6.78	3.03	1.72
Wholesale trade	3.30	2.27	2.02
Retail trade	9.80	10.15	9.63
Transportation and warehousing	3.91	2.46	0.89
Information	1.73	1.40	0.22
Finance and insurance	5.36	3.35	1.83
Real estate and rental and leasing	4.64	3.70	1.03
Professional, scientific, and technical services	7.00	7.25	1.42
Management of companies and enterprises	1.36	0.59	0.08
Administrative and waste management services	6.16	5.04	5.12
Educational services	2.39	1.55	N/A
Health care and social assistance	11.32	12.27	N/A
Arts, entertainment, and recreation	2.27	2.26	1.12
Accommodation and food services	7.49	8.47	6.79
Other services, except public administration	5.69	5.05	3.38
Government and government enterprises	12.44	18.79	31.74
Federal, civilian	1.46	2.67	2.86
Military	0.98	1.58	0.62
State and local	10.00	14.54	28.26
State government	2.74	5.25	5.02
Local government	7.27	9.29	23.24
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: Cibola County Percent of Employment by Sectors 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	81.52	80.85	81.17	80.89	80.22
Proprietors employment	18.48	19.15	18.83	19.11	19.78
Farm proprietors employment	4.16	4.12	4.10	4.09	4.18
Nonfarm proprietors employment	14.32	15.03	14.73	15.03	15.60
By industry					
Farm employment	4.33	4.26	4.27	4.27	4.35
Nonfarm employment	95.67	95.74	95.73	95.73	95.65
Private nonfarm employment	63.37	63.69	63.99	64.25	63.92
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	2.12	2.13	2.13	2.16	0.84
Construction	2.03	2.06	2.18	2.60	3.10
Manufacturing	1.43	1.58	1.55	1.57	1.72
Wholesale trade	2.16	2.24	2.49	2.41	2.02
Retail trade	10.04	9.91	10.14	9.70	9.63
Transportation and warehousing	0.83	0.79	0.82	0.85	0.89
Information	0.34	0.28	N/A	N/A	0.22
Finance and insurance	1.52	1.64	1.53	1.73	1.83
Real estate and rental and leasing	1.06	1.18	1.05	1.04	1.03
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	1.42
Management of companies and enterprises	N/A	N/A	N/A	N/A	0.08
Administrative and waste management services	6.20	5.97	5.57	5.36	5.12
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	N/A	N/A	N/A	N/A	N/A
Arts, entertainment, and recreation	0.89	0.87	0.94	1.10	1.12
Accommodation and food services	6.71	6.56	6.32	6.83	6.79
Other services, except public administration	3.46	3.37	N/A	N/A	3.38
Government and government enterprises	32.30	32.04	31.75	31.48	31.74
Federal, civilian	3.22	3.09	3.10	3.05	2.86
Military	0.66	0.61	0.62	0.62	0.62
State and local	28.42	28.34	28.03	27.81	28.26
State government	5.66	5.69	5.49	4.94	5.02
Local government	22.76	22.65	22.54	22.87	23.24
Total employment	100.00	100.00	100.00	100.00	100.00

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

Table 9: New Mexico Percent of Employment by Industry 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	78.71	78.67	78.77	78.84	78.54
Proprietors employment	21.29	21.33	21.23	21.16	21.46
Farm proprietors employment	2.00	1.98	1.96	1.95	1.95
Nonfarm proprietors employment	19.29	19.34	19.27	19.21	19.51
By industry					
Farm employment	2.72	2.61	2.64	2.71	2.61
Nonfarm employment	97.28	97.39	97.36	97.29	97.39
Private nonfarm employment	77.68	78.07	78.25	78.20	78.60
Forestry, fishing, and related activities	0.49	0.52	0.51	0.53	0.52
Mining	3.43	3.53	3.36	2.91	3.07
Utilities	0.43	0.42	0.43	0.45	0.46
Construction	5.50	5.50	5.47	5.49	5.70
Manufacturing	3.30	3.14	3.13	3.04	3.03
Wholesale trade	2.48	2.66	2.61	2.32	2.27
Retail trade	10.48	10.52	10.52	10.40	10.15
Transportation and warehousing	2.37	2.39	2.50	2.44	2.46
Information	1.49	1.45	1.43	1.46	1.40
Finance and insurance	3.26	3.21	3.16	3.27	3.35
Real estate and rental and leasing	3.57	3.61	3.63	3.65	3.70
Professional, scientific, and technical services	7.06	7.03	7.10	7.12	7.25
Management of companies and enterprises	0.51	0.52	0.54	0.58	0.59
Administrative and waste management services	5.08	5.02	4.85	4.93	5.04
Educational services	1.53	1.54	1.55	1.56	1.55
Health care and social assistance	11.51	11.52	11.88	12.29	12.27
Arts, entertainment, and recreation	2.21	2.24	2.22	2.21	2.26
Accommodation and food services	7.95	8.15	8.26	8.47	8.47
Other services, except public administration	5.04	5.10	5.11	5.07	5.05
Government and government enterprises	19.61	19.32	19.10	19.09	18.79
Federal, civilian	2.83	2.72	2.67	2.69	2.67
Military	1.71	1.62	1.55	1.57	1.58
State and local	15.07	14.99	14.88	14.83	14.54
State government	5.37	5.42	5.40	5.37	5.25
Local government	9.70	9.57	9.48	9.45	9.29
Total employment	100.00	100.00	100.00	100.00	100.00

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

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

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