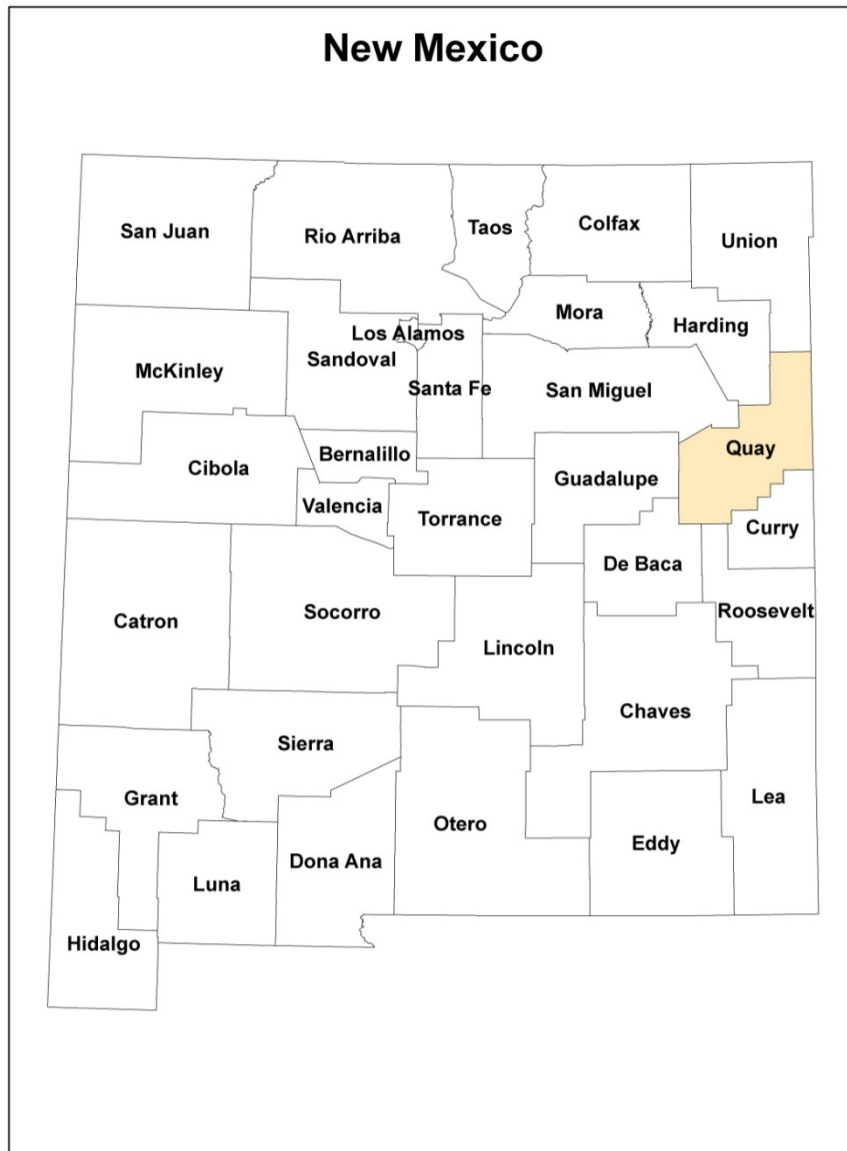




The Economic Base of Quay County, NM

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

DATE: July 2019



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Introduction

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

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

An economic base study is a descriptive tool used to analyze the composition of local economic activity. Economic base studies are often conducted to help guide local economic development activities and to help economic development officials make decisions such as what type of firms they should attempt to attract to local areas. Economic base studies can also help local and regional businesses better understand local and export product markets.

The specific purposes of economic base studies include:

- Understand regional economic growth
- Make short and long term forecasts
- Identify potential growth sectors
- Identify potential problem areas

According to economic base theory, any local economy may be divided into basic and non-basic industries. This theory also suggests that economic growth depends on sectors that export goods and services out of the region (basic industries), as opposed to those businesses whose services remain local, (non-basic industries). Basic industries promote local economic growth by bringing jobs and income into the local economy. Non-basic industries serve local residents and provide support to basic industries.

An industry classified as basic in one region may be identified as non-basic in another region. One common means of identifying local basic activity is through the use of location quotients (LQs). LQs are calculated as a single industry's percent of total local employment divided by that industry's percent

of total state or national employment. For example, an LQ for a single New Mexico industry (industry j) may be calculated as follows:

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

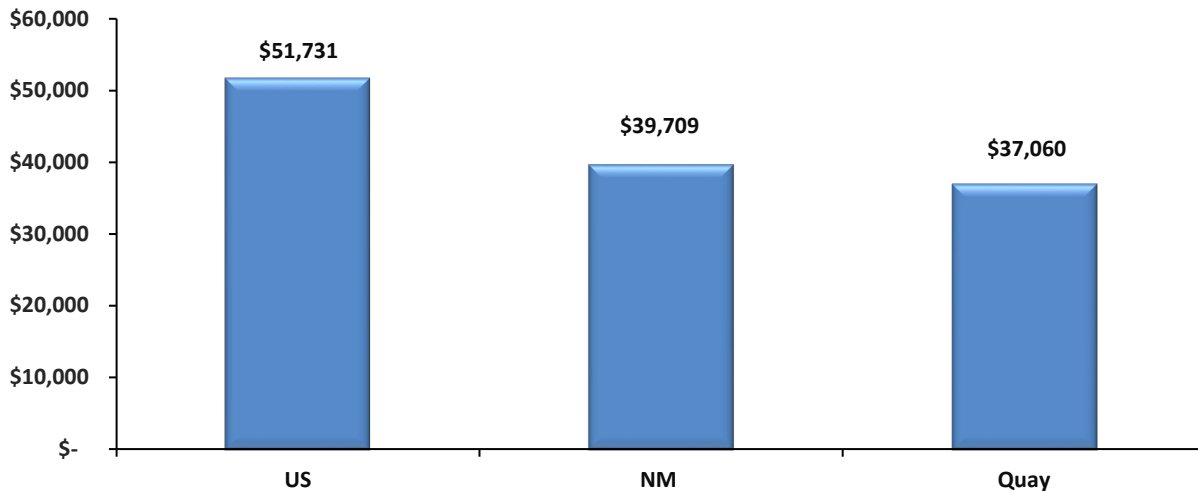
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national level. Conversely, an LQ of less than 1.0 indicates that the industry of note employs fewer workers locally as compared to the state or national average. For additional information on LQs, see <http://arrowheadcenter.nmsu.edu/wp-content/uploads/2015/06/WhatisaLocationQuotient.pdf>.

In this report, LQs are calculated for industries within Quay County with the national employment as the basis for comparison (see Table 1). Additionally, LQs using employment for the state of New Mexico as the benchmark are included (see Table 2). In this report, basic industries are identified utilizing general knowledge about the structure of the local economy combined with LQs greater than 1.0. LQs are described for the most recent year for which data were available and for the four preceding years (2013-2017). The data used in this report are from the U.S. Department of Commerce, Bureau of Economic Analysis (BEA) which can be found at www.bea.gov.

Quay County, New Mexico

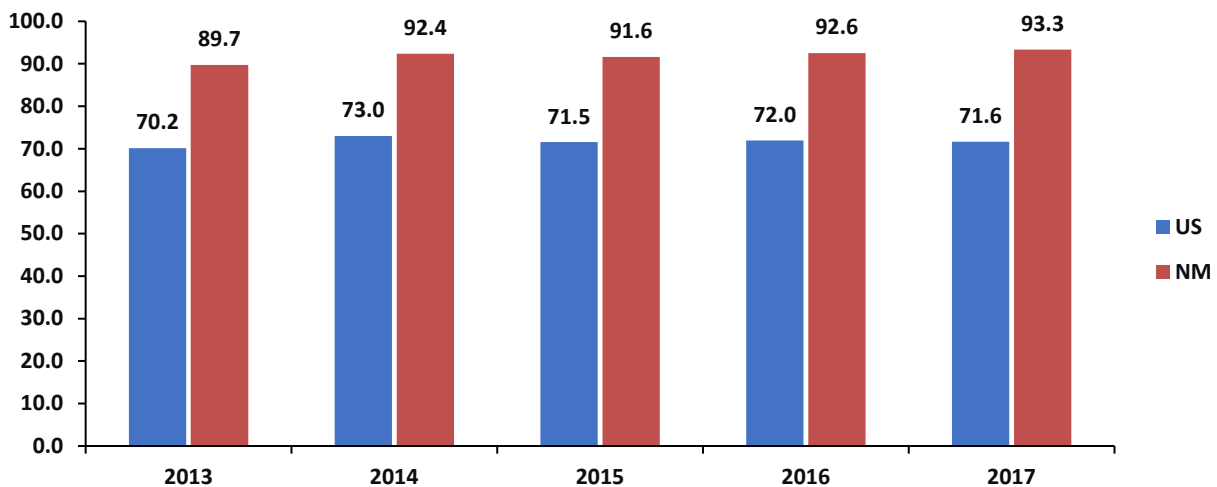
Quay County is located in central eastern New Mexico and represents 2,874.35 square miles, or 2.37 percent of the land area in New Mexico. In 2017, the population of Quay County was 8,306, or 0.40 percent of the state's total population, ranking 26th in New Mexico in terms of population. The City of Tucumcari, with a population of 4,915 in 2017 represented 59.17 percent of the total population for Quay County. Between 2013 and 2017, the population of Quay County decreased by 4.19 percent. During the same period, New Mexico's population increased by 0.03 percent and the United States' population increased by 2.88 percent.

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



Per capita personal income for Quay County in 2017 was \$37,060, ranking 17th in the state in terms of per capita income. Per capita income for Quay County in 2017 was 93.33 percent of the state (\$39,709) and 71.64 percent of the national average (\$51,731) (See Figures 1 and 2). The 17.77 percent growth of per capita income in Quay County between 2013 and 2017 was significantly higher than the state and nation. The growth rate for the state and nation, during the same period, was 13.21 percent and 15.34 percent, respectively.

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



Total employment in Quay County was 4,096 in 2017. Between 2013 and 2017, total employment in Quay County decreased by 0.36 percent, compared to the statewide increase of 2.08

percent and the nationwide increase of 7.57 percent. The Quay County employment to population ratio was 0.49, which was less than the state (0.52) and the nation (0.60). This ratio represents a low rate of the population being employed. Given the small population and limited number of establishments in Quay County, disaggregated data by industry for Quay County released from BEA is limited in order to protect confidentiality. Also, data for industries with fewer than 10 total employees were not publicly released. Therefore, industry data is included in annual countywide totals.

In 2017, 65.28 percent of all workers in Quay County were employed in the Private sector, while Government and government enterprises accounted for 21.12 percent, and Farm employment accounted for 13.60 percent. Within the Private sector, the industries with the highest percentage of employment included: Retail trade (12.18 percent), and Accommodation and food services (12.40). For the public sector, Local and State governments were the largest employers with 12.01 and 7.86 percent of total employment, respectively. Federal/civilian employment accounted for 0.73 percent and Military employment for 0.51 percent. Employment for Quay County by sector is displayed in Table 3.

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

Table 1 contains LQs for Quay County from 2013 to 2017 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Quay 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. The sectors with an LQ greater than 1.0 have been shaded.

The importance of the Agricultural sector to the economic base of Quay County is reflected in the largest LQ for the county under Farm employment, with a LQ of 10.14. This industry has seen fairly steady LQs throughout the years considered. The Agricultural sector is considered a basic industry for Quay County. Basic industries in Quay County based on a LQ greater than one include Accommodations and food services (1.66) and Retail trade (1.24). Transportation and warehousing has experienced a decline in its LQs from 1.19 in 2014 to 0.89 in 2017. Utilities (4.62) have employment concentrations larger than the national average, however it is considered non-basic or support industries for Quay County. Mining industry data from 2015 to 2017 were undisclosed by the BEA.

The entry labeled Government and government enterprises is the aggregate figure of all government levels listed as government categories. From the government sectors, State and Local governments had LQs greater than 1.0 in 2017. State government employment had an LQ of 2.87, reflecting the employment base of Ute Lake and Conchas Lake State Parks, both located outside of

Tucumcari. State government is to be considered a basic industry for Quay County. Local government had an LQ of 1.65. However, local government is generally categorized as non-basic given that all local governments collect taxes from residents to provide for the services to the community, including employment. Following this practice, local government for Quay County will be considered as a non-basic industry.

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

1. The agricultural sector with farm employment, accounted for 557 jobs.
2. Accommodation and food services, accounted for 508 jobs.
3. Retail trade, accounted for 499 jobs.
4. State government employment, accounted for 322 jobs.

It is common in economic base studies to calculate what is known as an export-base multiplier. This multiplier is obtained by dividing total employment by basic sector employment. In the case of Quay County, the multiplier is 2.17 (4,096 / 1,886). This ratio suggests that the addition of each basic sector job in Quay County would be associated with an additional 2.17 non-basic sector jobs. The export base multiplier (2.17) calculated above reinforces the importance of basic (exporting) industries to the economy of Quay 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 Quay 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. Quay County had a decline in population between 2016 and 2017, falling from 8,381 in 2016 to 8,306 in 2017. The level of employment decreased by 1.21 percent from 4,047 in 2016 to 4,096 in 2017. The per capita income grew by 3.22 percent between

2016 (\$35,904) and 2017 (\$37,060). Further analysis by industry is limited due to the availability of employment data.

Tables 1 to 10 appear on pages 7-16

Table 1: Location Quotients for Quay County (US Base) 2013-2017					
US Base	2013	2014	2015	2016	2017
By type					
Wage and salary employment	0.92	0.93	0.93	0.92	0.92
Proprietors employment	1.28	1.25	1.24	1.28	1.28
Farm proprietors employment	10.82	10.94	11.41	11.77	11.92
Nonfarm proprietors employment	0.82	0.80	0.78	0.82	0.83
By industry					
Farm employment	9.47	9.28	9.79	10.32	10.14
Nonfarm employment	0.88	0.88	0.88	0.87	0.88
Private nonfarm employment	0.74	0.75	0.74	0.75	0.76
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	0.47	0.59	N/A	N/A	N/A
Utilities	2.07	2.15	2.25	4.22	4.62
Construction	1.06	1.00	0.87	0.91	0.89
Manufacturing	N/A	0.22	N/A	N/A	N/A
Wholesale trade	0.31	0.41	0.33	0.24	0.21
Retail trade	1.23	1.24	1.21	1.11	1.24
Transportation and warehousing	1.19	1.18	1.14	0.98	0.89
Information	0.33	0.27	0.25	0.28	0.31
Finance and insurance	0.58	0.59	0.60	0.68	0.65
Real estate and rental and leasing	0.55	0.40	0.40	0.47	0.47
Professional, scientific, and technical services	0.30	0.31	0.30	0.32	0.33
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	N/A	N/A	N/A	N/A	N/A
Educational services	N/A	N/A	0.18	0.14	0.14
Health care and social assistance	N/A	N/A	0.77	0.78	0.83
Arts, entertainment, and recreation	0.43	0.41	0.31	0.42	0.40
Accommodation and food services	1.63	1.76	1.73	1.71	1.66
Other services, except public administration	0.92	0.91	0.89	0.93	0.90
Government and government enterprises	1.75	1.77	1.81	1.70	1.70
Federal, civilian	0.69	0.70	0.51	0.52	0.50
Military	0.52	0.50	0.52	0.55	0.52
State and local	2.03	2.06	2.13	1.99	1.99
State government	3.05	3.11	3.27	2.77	2.87
Local government	1.64	1.66	1.70	1.70	1.65
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 Quay County (NM Base) 2013-2017					
NM Based	2013	2014	2015	2016	2017
By type					
Wage and salary employment	0.91	0.92	0.92	0.90	0.90
Proprietors employment	1.34	1.31	1.31	1.36	1.35
Farm proprietors employment	5.50	5.46	5.60	5.69	5.66
Nonfarm proprietors employment	0.90	0.88	0.87	0.92	0.92
By industry					
Farm employment	5.06	5.05	5.16	5.20	5.21
Nonfarm employment	0.89	0.89	0.89	0.88	0.89
Private nonfarm employment	0.81	0.82	0.81	0.82	0.83
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	0.12	0.14	N/A	N/A	N/A
Utilities	1.52	1.58	1.64	3.03	3.36
Construction	0.97	0.93	0.82	0.89	0.84
Manufacturing	N/A	0.49	N/A	N/A	N/A
Wholesale trade	0.43	0.56	0.46	0.34	0.31
Retail trade	1.18	1.19	1.16	1.06	1.20
Transportation and warehousing	1.65	1.66	1.67	1.54	1.42
Information	0.39	0.33	0.31	0.34	0.38
Finance and insurance	0.96	0.95	0.99	1.10	1.04
Real estate and rental and leasing	0.68	0.50	0.50	0.60	0.59
Professional, scientific, and technical services	0.29	0.31	0.29	0.31	0.32
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	N/A	N/A	N/A	N/A	N/A
Educational services	N/A	N/A	0.28	0.22	0.22
Health care and social assistance	N/A	N/A	0.73	0.72	0.77
Arts, entertainment, and recreation	0.43	0.42	0.31	0.42	0.40
Accommodation and food services	1.47	1.57	1.54	1.51	1.46
Other services, except public administration	1.05	1.05	1.02	1.05	1.01
Government and government enterprises	1.18	1.19	1.20	1.12	1.12
Federal, civilian	0.38	0.39	0.28	0.28	0.27
Military	0.34	0.33	0.34	0.35	0.32
State and local	1.42	1.42	1.46	1.36	1.37
State government	1.65	1.64	1.70	1.43	1.50
Local government	1.29	1.30	1.32	1.32	1.29
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: Quay County Total Employment by Industry 2017		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	2,909	71.02
Proprietors employment	1,187	28.98
Farm proprietors employment	451	11.01
Nonfarm proprietors employment	736	17.97
By industry		
Farm employment	557	13.60
Nonfarm employment	3,539	86.40
Private nonfarm employment	2,674	65.28
Forestry, fishing, and related activities	(D)	N/A
Mining	(D)	N/A
Utilities	64	1.56
Construction	197	4.81
Manufacturing	(D)	N/A
Wholesale trade	29	0.71
Retail trade	499	12.18
Transportation and warehousing	143	3.49
Information	22	0.54
Finance and insurance	142	3.47
Real estate and rental and leasing	90	2.20
Professional, scientific, and technical services	94	2.29
Management of companies and enterprises	(D)	N/A
Administrative and waste management services	(D)	N/A
Educational services	14	0.34
Health care and social assistance	386	9.42
Arts, entertainment, and recreation	37	0.90
Accommodation and food services	508	12.40
Other services, except public administration	210	5.13
Government and government enterprises	865	21.12
Federal, civilian	30	0.73
Military	21	0.51
State and local	814	19.87
State government	322	7.86
Local government	492	12.01
Total employment	4,096	100.00

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

Table 4: Quay County Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	2942	3014	2971	2883	2909
Proprietors employment	1169	1165	1144	1164	1187
Farm proprietors employment	453	452	452	449	451
Nonfarm proprietors employment 2/	716	713	692	715	736
By industry					
Farm employment	565	551	561	571	557
Nonfarm employment	3546	3628	3554	3476	3539
Private nonfarm employment	2598	2671	2607	2609	2674
Forestry, fishing, and related activities	(D)	(D)	(D)	(D)	(D)
Mining	17	21	(D)	(D)	(D)
Utilities	27	28	29	55	64
Construction	220	214	185	197	197
Manufacturing	(D)	64	(D)	(D)	(D)
Wholesale trade	44	62	49	32	29
Retail trade	508	521	501	448	499
Transportation and warehousing	161	166	171	152	143
Information	24	20	18	20	22
Finance and insurance	128	127	128	146	142
Real estate and rental and leasing	100	75	75	88	90
Professional, scientific, and technical services	84	90	86	89	94
Management of companies and enterprises	(D)	(D)	(D)	(D)	(D)
Administrative and waste management services	(D)	(D)	(D)	(D)	(D)
Educational services	(D)	(D)	18	14	14
Health care and social assistance	(D)	(D)	356	356	386
Arts, entertainment, and recreation	39	39	28	38	37
Accommodation and food services	481	534	522	516	508
Other services, except public administration	217	223	215	215	210
Government and government enterprises	948	957	947	867	865
Federal, civilian	44	44	31	31	30
Military	24	22	22	22	21
State and local	880	891	894	814	814
State government	365	372	378	310	322
Local government	515	519	516	504	492
Total employment	4111	4179	4115	4047	4096

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

Table 5: New Mexico Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	846495	852348	860023	861222	862272
Proprietors employment	228970	231044	231850	231184	235600
Farm proprietors employment	21547	21473	21405	21291	21372
Nonfarm proprietors employment	207423	209571	210445	209893	214228
By industry					
Farm employment	29208	28262	28866	29641	28633
Nonfarm employment	1046257	1055130	1063007	1062765	1069239
Private nonfarm employment	835402	845778	854438	854243	862954
Forestry, fishing, and related activities	5235	5675	5540	5819	5658
Mining	36857	38222	36655	31808	33725
Utilities	4652	4591	4684	4900	5099
Construction	59142	59584	59709	60012	62633
Manufacturing	35463	34022	34158	33188	33239
Wholesale trade	26688	28856	28502	25379	24946
Retail trade	112726	113923	114888	113636	111443
Transportation and warehousing	25502	25903	27243	26672	27060
Information	16059	15725	15588	16001	15339
Finance and insurance	35010	34783	34461	35684	36737
Real estate and rental and leasing	38414	39111	39660	39866	40634
Professional, scientific, and technical services	75919	76116	77542	77751	79601
Management of companies and enterprises	5502	5631	5877	6337	6449
Administrative and waste management services	54597	54370	52998	53887	55307
Educational services	16426	16736	16965	17026	17020
Health care and social assistance	123737	124796	129720	134269	134712
Arts, entertainment, and recreation	23734	24225	24245	24151	24831
Accommodation and food services	85494	88296	90192	92521	93037
Other services, except public administration	54245	55213	55811	55336	55484
Government and government enterprises	210855	209352	208569	208522	206285
Federal, civilian	30400	29452	29188	29385	29288
Military	18350	17518	16923	17159	17348
State and local	162105	162382	162458	161978	159649
State government	57772	58752	58962	58703	57617
Local government	104333	103630	103496	103275	102032
Total employment	1075465	1083392	1091873	1092406	1097872

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

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

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

Table 7: Quay County, New Mexico and United States Percent of Employment by Industry 2017			
	United States	New Mexico	Quay County
By type			
Wage and salary employment	77.41	78.54	71.02
Proprietors employment	22.59	21.46	28.98
Farm proprietors employment	0.92	1.95	11.01
Nonfarm proprietors employment	21.67	19.51	17.97
By industry			
Farm employment	1.34	2.61	13.60
Nonfarm employment	98.66	97.39	86.40
Private nonfarm employment	86.22	78.60	65.28
Forestry, fishing, and related activities	0.47	0.52	N/A
Mining	0.77	3.07	N/A
Utilities	0.34	0.46	1.56
Construction	5.42	5.70	4.81
Manufacturing	6.78	3.03	N/A
Wholesale trade	3.30	2.27	0.71
Retail trade	9.80	10.15	12.18
Transportation and warehousing	3.91	2.46	3.49
Information	1.73	1.40	0.54
Finance and insurance	5.36	3.35	3.47
Real estate and rental and leasing	4.64	3.70	2.20
Professional, scientific, and technical services	7.00	7.25	2.29
Management of companies and enterprises	1.36	0.59	N/A
Administrative and waste management services	6.16	5.04	N/A
Educational services	2.39	1.55	0.34
Health care and social assistance	11.32	12.27	9.42
Arts, entertainment, and recreation	2.27	2.26	0.90
Accommodation and food services	7.49	8.47	12.40
Other services, except public administration	5.69	5.05	5.13
Government and government enterprises	12.44	18.79	21.12
Federal, civilian	1.46	2.67	0.73
Military	0.98	1.58	0.51
State and local	10.00	14.54	19.87
State government	2.74	5.25	7.86
Local government	7.27	9.29	12.01
Total employment	100.00	100.00	100.00

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

Table 8: Quay County Percent of Employment by Sectors 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	71.56	72.12	72.20	71.24	71.02
Proprietors employment	28.44	27.88	27.80	28.76	28.98
Farm proprietors employment	11.02	10.82	10.98	11.09	11.01
Nonfarm proprietors employment	17.42	17.06	16.82	17.67	17.97
By industry					
Farm employment	13.74	13.18	13.63	14.11	13.60
Nonfarm employment	86.26	86.82	86.37	85.89	86.40
Private nonfarm employment	63.20	63.91	63.35	64.47	65.28
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	0.41	0.50	N/A	N/A	N/A
Utilities	0.66	0.67	0.70	1.36	1.56
Construction	5.35	5.12	4.50	4.87	4.81
Manufacturing	N/A	1.53	N/A	N/A	N/A
Wholesale trade	1.07	1.48	1.19	0.79	0.71
Retail trade	12.36	12.47	12.17	11.07	12.18
Transportation and warehousing	3.92	3.97	4.16	3.76	3.49
Information	0.58	0.48	0.44	0.49	0.54
Finance and insurance	3.11	3.04	3.11	3.61	3.47
Real estate and rental and leasing	2.43	1.79	1.82	2.17	2.20
Professional, scientific, and technical services	2.04	2.15	2.09	2.20	2.29
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	N/A	N/A	N/A	N/A	N/A
Educational services	N/A	N/A	0.44	0.35	0.34
Health care and social assistance	N/A	N/A	8.65	8.80	9.42
Arts, entertainment, and recreation	0.95	0.93	0.68	0.94	0.90
Accommodation and food services	11.70	12.78	12.69	12.75	12.40
Other services, except public administration	5.28	5.34	5.22	5.31	5.13
Government and government enterprises	23.06	22.90	23.01	21.42	21.12
Federal, civilian	1.07	1.05	0.75	0.77	0.73
Military	0.58	0.53	0.53	0.54	0.51
State and local	21.41	21.32	21.73	20.11	19.87
State government	8.88	8.90	9.19	7.66	7.86
Local government	12.53	12.42	12.54	12.45	12.01
Total employment	100.00	100.00	100.00	100.00	100.00

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

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

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

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

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