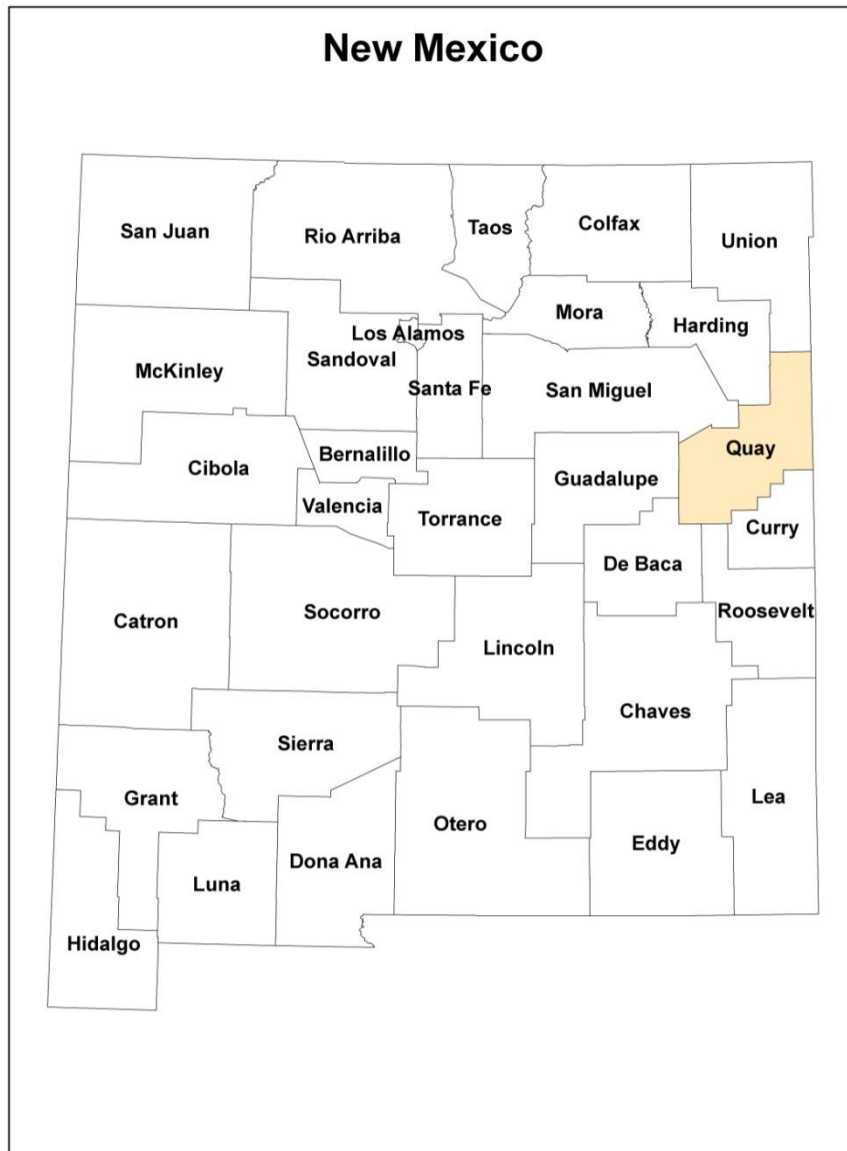




**The Economic Base of Quay County, NM**

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

**DATE: July 2017**



## The Economic Base of Quay County, New Mexico

### 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](mailto: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:

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

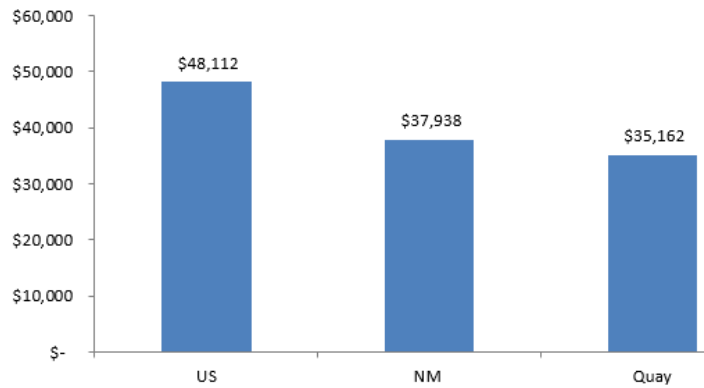
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, as the state or national economy. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the 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 Quay 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 were 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](http://www.bea.gov).

### **Quay County, New Mexico**

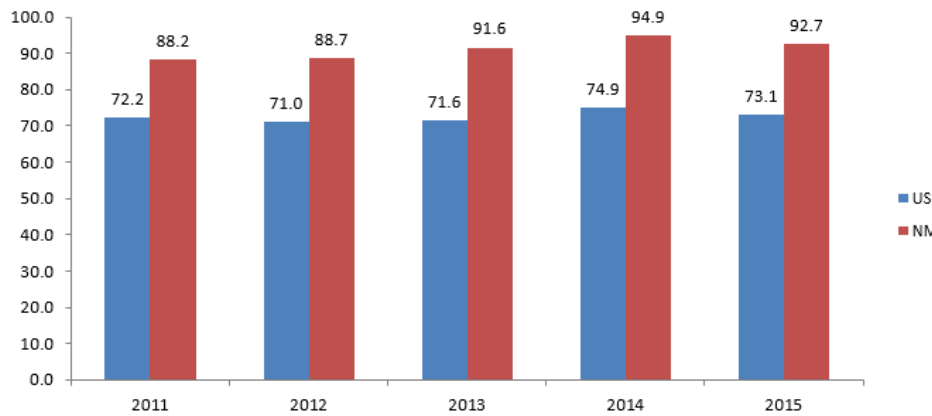
Quay County is located in central eastern New Mexico and represents 2,874.35 square miles, or 2.37 percent of the land area in New Mexico. In 2015, the population of Quay County was 8,455, or 0.41 percent of the state's total population, ranking 26<sup>th</sup> in New Mexico in terms of population. The City of Tucumcari, with a population of 5,025 in 2015 represented 59.4 percent of the total population for Quay County. Between 2011 and 2015, the population of Quay County decreased by 6.88 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: Quay County (2015)**



Per capita personal income for Quay County in 2015 was \$35,162, ranking 18<sup>th</sup> in the state in terms of per capita income. Per capita income for Quay County in 2015 was 92.7 percent of the state (\$37,938) and 73.1 percent of the national average (\$48,112) (See Figures 1 and 2). The 14.78 percent growth of per capita income in Quay County between 2011 and 2015 was significantly higher than the state and nation. The growth rate for the state and nation, during the same period, was 9.24 percent and 13.33 percent, respectively.

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



Total employment in Quay County was 4,145 in 2015. Between 2011 and 2015, total employment in Quay County decreased by .62 percent, compared to the statewide increase of 2.88 percent and the nationwide increase of 7.89 percent. The Quay County employment to population ratio was 0.49, which was less than the state (0.53) and the nation (0.59). 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 2015, 63.64 percent of all workers in Quay County were employed in the Private sector, while Government and government enterprises accounted for 22.87 percent, and Farm employment accounted for 13.49 percent. Within the Private sector, the industries with the highest percentage of employment included: Retail trade (12.28 percent), and Accommodation and food services (12.96). For the public sector, Local and State governments were the largest employers with 12.45 and 9.14 percent of total employment, respectively. Federal/civilian employment accounted for .75 percent and Military employment for 0.53 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 2011 to 2015 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Quay 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 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 9.71. 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 (1.76), Retail trade (1.22), Transportation and warehousing (1.16). Transportation and warehousing has experienced fluctuations in its LQs since 2011, however, LQs have always remained above 1.14 in all years considered. Utilities (2.5) have employment concentrations larger than the national average, however, it is considered non-basic or support industries for Quay County. Mining industry data in 2015 was undisclosed by the BEA. Mining industry, which might have reflected the copper mining in several prospected places near Logan, on the Canadian River northeast of Tucumcari.

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 2015. State government employment had an LQ of 3.28, 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 1.68. 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 2015 the following industries should be considered basic industries in Quay County:

1. The agricultural sector with farm employment, accounted for 559 jobs.
2. Accommodation and food services, accounted for 537 jobs.
3. Retail trade, accounted for 509 jobs.
4. Transportation and warehousing, accounted for 167 jobs.
5. State government employment, accounted for 379 jobs.
6. Mining data was not disclosed for 2015.

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 1.92 (4,145 / 2,151). This ratio suggests that the addition of each basic sector job in Quay County would be associated with an additional 1.92 non-basic sector jobs. The export base multiplier (1.92) 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 2014 and 2015, falling from 8,462 in 2014 to 8,455 in 2015. The per capita income grew by 1.08 percent between 2014 (\$34,786) and 2015 (\$35,162). Further analysis by industry is limited due to the availability of employment data. The basic industries in Quay County have not changed significantly in the years considered.

**Tables 1 to 10 appear on pages 6-15**

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

<b>US Base</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>By type</b>					
Wage and salary employment	0.90	0.91	0.92	0.93	0.92
Proprietors employment	1.34	1.32	1.28	1.25	1.27
Farm proprietors employment	10.41	10.47	10.83	10.91	11.31
Nonfarm proprietors employment	0.89	0.87	0.82	0.80	0.82
<b>By industry</b>					
Farm employment	8.95	9.02	9.48	9.27	9.71
Nonfarm employment	0.88	0.88	0.88	0.88	0.88
Private nonfarm employment	0.75	0.75	0.74	0.75	0.74
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	0.58	0.47	0.59	N/A
Utilities	2.06	2.00	2.07	2.15	2.50
Construction	1.22	1.13	1.06	1.01	0.94
Manufacturing	N/A	N/A	N/A	0.22	N/A
Wholesale trade	0.19	0.25	0.31	0.41	0.32
Retail trade	1.23	1.24	1.23	1.24	1.22
Transportation and warehousing	1.14	1.21	1.21	1.20	1.16
Information	0.27	0.33	0.33	0.27	0.22
Finance and insurance	0.62	0.58	0.52	0.56	0.58
Real estate and rental and leasing	0.57	0.55	0.56	0.40	0.41
Professional, scientific, and technical services	0.33	0.27	0.30	0.28	0.27
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	0.10	N/A	N/A	0.11
Health care and social assistance	0.79	0.79	N/A	N/A	0.74
Arts, entertainment, and recreation	0.38	0.39	0.46	0.44	0.44
Accommodation and food services	1.53	1.67	1.63	1.76	1.76
Other services, except public administration	0.95	0.95	0.92	0.92	0.93
Government and government enterprises	1.65	1.69	1.75	1.78	1.80
Federal, civilian	0.64	0.67	0.69	0.70	0.51
Military	0.51	0.50	0.52	0.50	0.52
State and local	1.92	1.97	2.03	2.07	2.12
State government	2.60	2.80	3.08	3.16	3.28
Local government	1.67	1.65	1.64	1.66	1.68
<b>Total employment</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>
<i>Source: Bureau of Economic Analysis at <a href="http://www.bea.gov">www.bea.gov</a>, table CA25N and author's calculation</i>					

<b>Table 2: Location Quotients for Quay County (NM Base) 2011-2015</b>					
<b>NM Based</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>By type</b>					
Wage and salary employment	0.89	0.90	0.91	0.92	0.91
Proprietors employment	1.39	1.36	1.33	1.31	1.32
Farm proprietors employment	5.70	5.37	5.50	5.48	5.58
Nonfarm proprietors employment	0.96	0.94	0.90	0.88	0.90
<b>By industry</b>					
Farm employment	5.23	4.97	5.06	5.07	5.14
Nonfarm employment	0.89	0.89	0.89	0.89	0.89
Private nonfarm employment	0.83	0.83	0.81	0.82	0.81
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	0.16	0.12	0.14	N/A
Utilities	1.57	1.50	1.51	1.58	1.85
Construction	1.09	1.04	0.97	0.94	0.89
Manufacturing	N/A	N/A	N/A	0.49	N/A
Wholesale trade	0.26	0.35	0.43	0.57	0.44
Retail trade	1.19	1.19	1.18	1.19	1.16
Transportation and warehousing	1.62	1.68	1.68	1.70	1.67
Information	0.32	0.39	0.39	0.33	0.26
Finance and insurance	1.03	0.96	0.87	0.90	0.92
Real estate and rental and leasing	0.69	0.67	0.69	0.50	0.51
Professional, scientific, and technical services	0.31	0.26	0.29	0.27	0.26
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	0.16	N/A	N/A	0.17
Health care and social assistance	0.77	0.77	N/A	N/A	0.70
Arts, entertainment, and recreation	0.39	0.39	0.46	0.44	0.44
Accommodation and food services	1.39	1.51	1.47	1.57	1.57
Other services, except public administration	1.06	1.08	1.06	1.05	1.06
Government and government enterprises	1.13	1.15	1.18	1.19	1.20
Federal, civilian	0.34	0.36	0.38	0.39	0.28
Military	0.35	0.34	0.34	0.33	0.34
State and local	1.37	1.39	1.42	1.43	1.46
State government	1.42	1.53	1.65	1.65	1.70
Local government	1.35	1.31	1.29	1.30	1.32
<b>Total employment</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.00</b>
<i>Source: Bureau of Economic Analysis at <a href="http://www.bea.gov">www.bea.gov</a>, table CA25N and author's calculation</i>					



<b>Table 3: Quay County Total Employment by Industry 2015</b>		
	<b>Total Jobs</b>	<b>Percent of Total Employment</b>
<b>By type</b>		
Wage and salary employment	2,964	71.51
Proprietors employment	1,181	28.49
Farm proprietors employment	450	10.86
Nonfarm proprietors employment	731	17.64
<b>By industry</b>		
Farm employment	559	13.49
Nonfarm employment	3,586	86.51
Private nonfarm employment	2,638	63.64
Forestry, fishing, and related activities	(D)	N/A
Mining	(D)	N/A
Utilities	32	0.77
Construction	203	4.90
Manufacturing	(D)	N/A
Wholesale trade	48	1.16
Retail trade	509	12.28
Transportation and warehousing	167	4.03
Information	16	0.39
Finance and insurance	121	2.92
Real estate and rental and leasing	78	1.88
Professional, scientific, and technical services	77	1.86
Management of companies and enterprises	(D)	N/A
Administrative and waste management services	(D)	N/A
Educational services	11	0.27
Health care and social assistance	345	8.32
Arts, entertainment, and recreation	41	0.99
Accommodation and food services	537	12.96
Other services, except public administration	223	5.38
Government and government enterprises	948	22.87
Federal, civilian	31	0.75
Military	22	0.53
State and local	895	21.59
State government	379	9.14
Local government	516	12.45
<b>Total employment</b>	<b>4,145</b>	<b>100.00</b>

*Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CA25N and author's calculation*

**Table 4: Quay County Employment by Industry 2011-2015**

<b>Number of jobs by industry</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>By type</b>					
Wage and salary employment	2,926	2,976	2,946	3,012	2,964
Proprietors employment	1,245	1,217	1,163	1,156	1,181
Farm proprietors employment	462	452	453	450	450
Nonfarm proprietors employment 2/	783	765	710	706	731
<b>By industry</b>					
Farm employment	559	554	565	549	559
Nonfarm employment	3,612	3,639	3,544	3,619	3,586
Private nonfarm employment	2,665	2,686	2,597	2,661	2,638
Forestry, fishing, and related activities	(D)	(D)	(D)	(D)	(D)
Mining	(D)	21	17	21	(D)
Utilities	28	27	27	28	32
Construction	254	236	220	216	203
Manufacturing	(D)	(D)	(D)	64	(D)
Wholesale trade	27	36	44	60	48
Retail trade	521	524	508	521	509
Transportation and warehousing	154	167	164	169	167
Information	21	25	24	20	16
Finance and insurance	143	132	116	120	121
Real estate and rental and leasing	107	101	101	75	78
Professional, scientific, and technical services	94	78	84	80	77
Management of companies and enterprises	(D)	(D)	(D)	(D)	(D)
Administrative and waste management services	(D)	(D)	(D)	(D)	(D)
Educational services	(L)	10	(D)	(D)	11
Health care and social assistance	365	371	(D)	(D)	345
Arts, entertainment, and recreation	35	36	42	41	41
Accommodation and food services	448	495	481	533	537
Other services, except public administration	229	232	219	224	223
Government and government enterprises	947	953	947	958	948
Federal, civilian	44	45	44	44	31
Military	25	24	24	22	22
State and local	878	884	879	892	895
State government	324	345	365	373	379
Local government	554	539	514	519	516
<b>Total employment</b>	<b>4,171</b>	<b>4,193</b>	<b>4,109</b>	<b>4,168</b>	<b>4,145</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CA25N

<b>Table 5: New Mexico Employment by Industry 2011-2015</b>					
<b>Number of jobs by industry</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>By type</b>					
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
<b>By industry</b>					
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
<b>Total employment</b>	<b>1,065,291</b>	<b>1,067,757</b>	<b>1,075,867</b>	<b>1,082,277</b>	<b>1,095,949</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CA25N

**Table 6: United States Employment by Industry 2011-2015**

<b>Number of jobs by industry</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>By type</b>					
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
<b>By industry</b>					
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
<b>Total employment</b>	<b>176,278,700</b>	<b>179,081,700</b>	<b>182,408,100</b>	<b>186,168,100</b>	<b>190,195,400</b>

Source: Bureau of Economic Analysis at [www.bea.gov](http://www.bea.gov), table CA25N

<b>Table 7: Quay County, New Mexico and United States Percent of Employment by Industry 2015</b>			
	<b>United States</b>	<b>New Mexico</b>	<b>Quay County</b>
<b>By type</b>			
Wage and salary employment	77.62	78.45	71.51
Proprietors employment	22.38	21.55	28.49
Farm proprietors employment	0.96	1.94	10.86
Nonfarm proprietors employment	21.42	19.61	17.64
<b>By industry</b>			
Farm employment	1.39	2.63	13.49
Nonfarm employment	98.61	97.37	86.51
Private nonfarm employment	85.92	78.34	63.64
Forestry, fishing, and related activities	0.51	0.54	N/A
Mining	0.79	3.28	N/A
Utilities	0.31	0.42	0.77
Construction	5.23	5.53	4.90
Manufacturing	6.88	3.11	N/A
Wholesale trade	3.57	2.61	1.16
Retail trade	10.07	10.56	12.28
Transportation and warehousing	3.47	2.41	4.03
Information	1.78	1.46	0.39
Finance and insurance	5.07	3.16	2.92
Real estate and rental and leasing	4.59	3.69	1.88
Professional, scientific, and technical services	6.96	7.08	1.86
Management of companies and enterprises	1.28	0.53	N/A
Administrative and waste management services	6.32	4.94	N/A
Educational services	2.45	1.60	0.27
Health care and social assistance	11.20	11.83	8.32
Arts, entertainment, and recreation	2.26	2.27	0.99
Accommodation and food services	7.38	8.27	12.96
Other services, except public administration	5.80	5.07	5.38
Government and government enterprises	12.69	19.03	22.87
Federal, civilian	1.48	2.66	0.75
Military	1.03	1.54	0.53
State and local	10.19	14.82	21.59
State government	2.79	5.38	9.14
Local government	7.40	9.45	12.45
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
<i>Source: Bureau of Economic Analysis at <a href="http://www.bea.gov">www.bea.gov</a>, table CA25N and author's calculation</i>			

**Table 8: Quay County Percent of Employment by Sectors 2011-2015**

Description	2011	2012	2013	2014	2015
<b>By type</b>					
Wage and salary employment	70.15	70.98	71.70	72.26	71.51
Proprietors employment	29.85	29.02	28.30	27.74	28.49
Farm proprietors employment	11.08	10.78	11.02	10.80	10.86
Nonfarm proprietors employment	18.77	18.24	17.28	16.94	17.64
<b>By industry</b>					
Farm employment	13.40	13.21	13.75	13.17	13.49
Nonfarm employment	86.60	86.79	86.25	86.83	86.51
Private nonfarm employment	63.89	64.06	63.20	63.84	63.64
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	0.50	0.41	0.50	N/A
Utilities	0.67	0.64	0.66	0.67	0.77
Construction	6.09	5.63	5.35	5.18	4.90
Manufacturing	N/A	N/A	N/A	1.54	N/A
Wholesale trade	0.65	0.86	1.07	1.44	1.16
Retail trade	12.49	12.50	12.36	12.50	12.28
Transportation and warehousing	3.69	3.98	3.99	4.05	4.03
Information	0.50	0.60	0.58	0.48	0.39
Finance and insurance	3.43	3.15	2.82	2.88	2.92
Real estate and rental and leasing	2.57	2.41	2.46	1.80	1.88
Professional, scientific, and technical services	2.25	1.86	2.04	1.92	1.86
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	0.24	N/A	N/A	0.27
Health care and social assistance	8.75	8.85	N/A	N/A	8.32
Arts, entertainment, and recreation	0.84	0.86	1.02	0.98	0.99
Accommodation and food services	10.74	11.81	11.71	12.79	12.96
Other services, except public administration	5.49	5.53	5.33	5.37	5.38
Government and government enterprises	22.70	22.73	23.05	22.98	22.87
Federal, civilian	1.05	1.07	1.07	1.06	0.75
Military	0.60	0.57	0.58	0.53	0.53
State and local	21.05	21.08	21.39	21.40	21.59
State government	7.77	8.23	8.88	8.95	9.14
Local government	13.28	12.85	12.51	12.45	12.45
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
<i>Source: Bureau of Economic Analysis at <a href="http://www.bea.gov">www.bea.gov</a>, table CA25N and author's calculation</i>					

**Table 9: New Mexico Percent of Employment by Industry 2011-2015**

Description	2011	2012	2013	2014	2015
<b>By type</b>					
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
<b>By industry</b>					
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
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
<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
<b>By type</b>					
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
<b>By industry</b>					
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
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>
<i>Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation</i>					