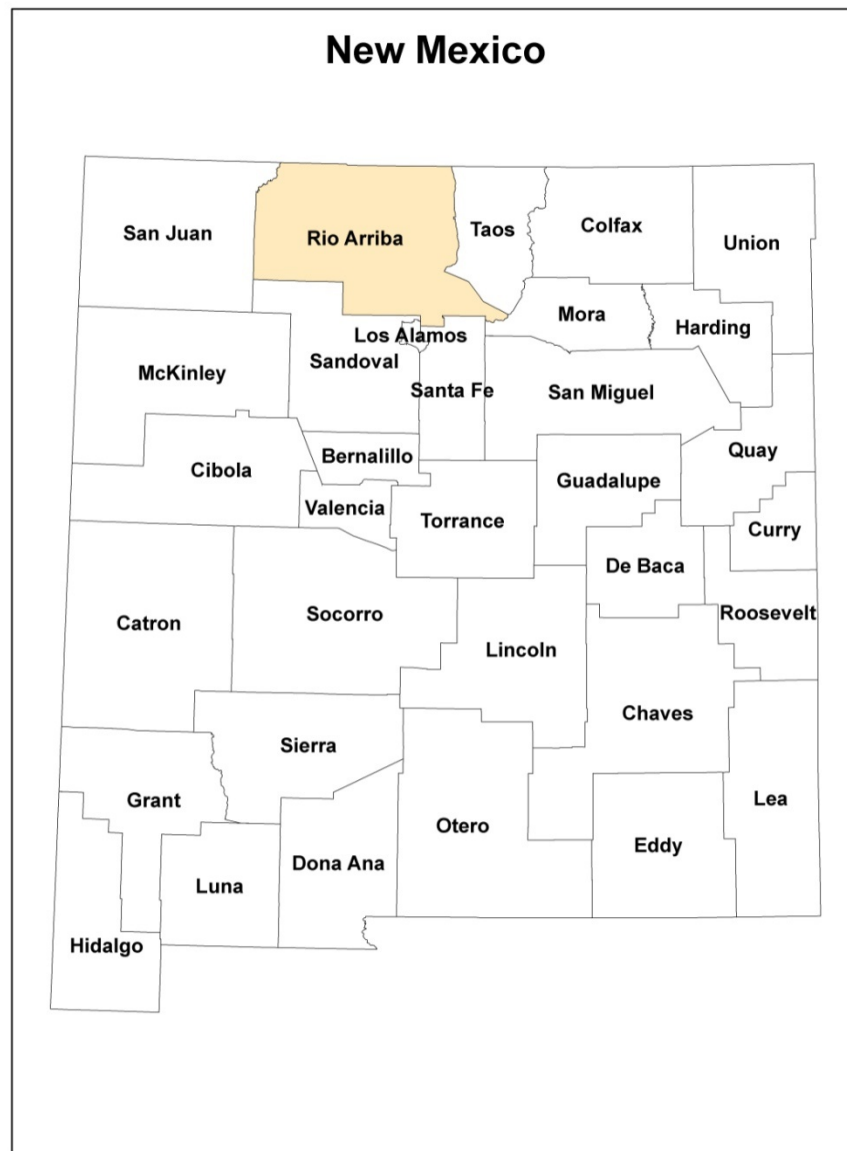




The Economic Base of Rio Arriba County, NM

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

DATE: July 2019



The Economic Base of Rio Arriba 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. Theophilus Djaba 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:

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

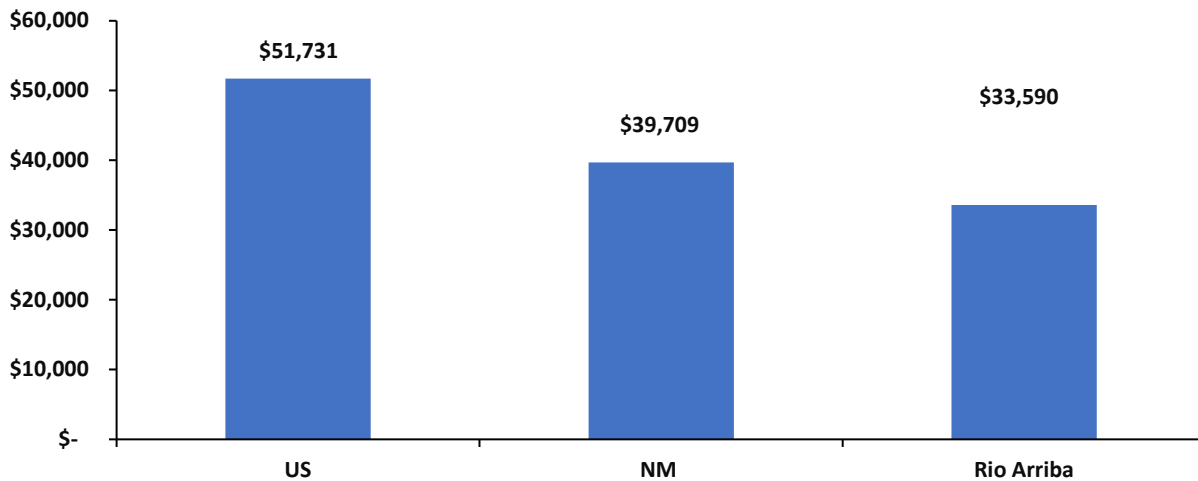
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national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

Rio Arriba County, New Mexico

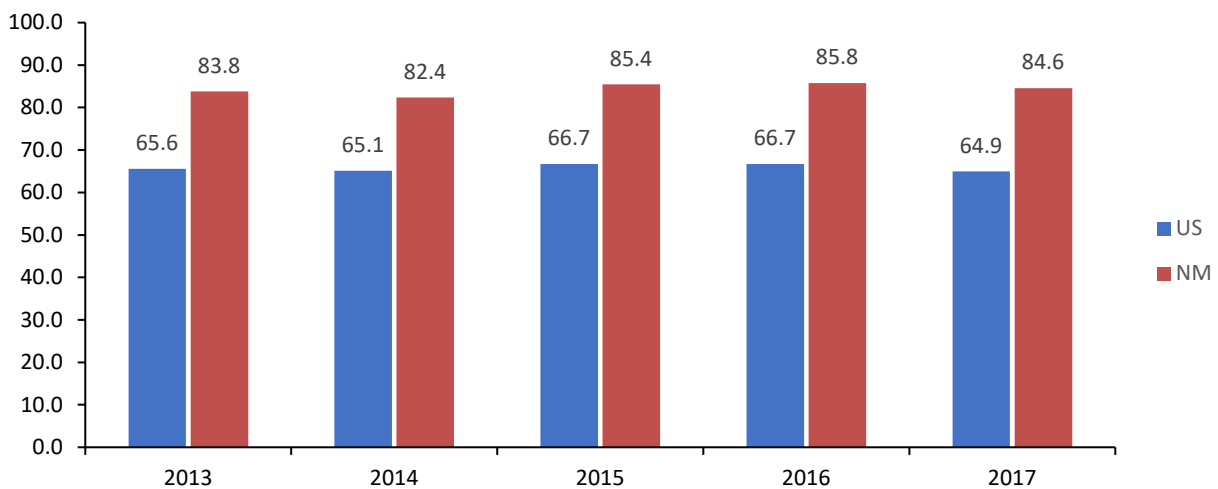
Rio Arriba County is located in northwestern New Mexico and contains 5,860.84 square miles, or 4.83 percent of the land area in New Mexico. The population of Rio Arriba County in 2017 was 39,159, or 1.87 percent of the state total, ranking 13th in New Mexico in terms of population. Between 2013 and 2017, the population of Rio Arriba County decreased by 2.11 percent. The Town of Española, with a population of 10,029 in 2017 represented 25.61 percent of the population of Rio Arriba County. 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: Rio Arriba County (2017)



Per capita personal income in Rio Arriba County was \$33,590 and ranked 25th in the state in terms of per capita income in 2017. Per capita income for Rio Arriba County in 2017 was 84.59 percent of the corresponding state figure (\$39,709) and 64.93 percent of the national average (\$51,731) (See Figures 1 and 2). The percent growth of per capita income in Rio Arriba County between 2013 and 2017 was 14.24 percent, which higher than the state’s (13.21) and but less than the nation’s (15.34) growth rate for the same period.

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



Total employment in Rio Arriba County was 15,745 in 2017. Between 2013 and 2017, total employment in Rio Arriba County increased by 1.39 percent, while the state’s total employment

increased by 2.08 percent and the nation's employment increased by 7.57 percent for the same period. The Rio Arriba County employment to population ratio was 0.40 in 2017, compared to the state ratio (0.52) and the nation's ratio (0.60). This ratio represents a low rate of the population being employed in the county.

In 2017, 57.15 percent of Rio Arriba County was employed in the Private sector, while 30.69 percent were employed in Government and government enterprises, and 12.16 percent worked in Farm employment. The industries with the highest percentages of total employment included: Health care and social assistance (11.65 percent), Retail trade (8.78 percent), and Accommodation and food services (7.00). Within the public sector, Local government was the largest employer with 23.81 percent of total employment; State employment accounted for 4.49 percent, Federal / civilian accounted for 1.75 percent and Military for 0.64 percent. Employment for Rio Arriba County by sector is displayed in Table 3.

Basic and Non-Basic Industries in Rio Arriba County, New Mexico

Table 1 contains LQs for Rio Arriba County from 2013 to 2017 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Rio Arriba 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 the 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, here defined as Farm employment and Forestry, fishing, and related activities is reflected in the high LQs for both of these industries. Farm employment had an LQ of 9.06, with LQs greater than 8.50 for all years considered; Forestry, fishing, and related activities had an LQ of 2.00 in 2017 and LQs greater than 1.80 for all years considered. The Agricultural sector for Rio Arriba (Farm employment and Forestry, fishing, and related activities), is considered a basic sector.

Arts, entertainment, and recreation is also considered as a basic economic activity in Rio Arriba County. This sector had an LQ of 1.20 in 2017, reflecting the substantial artist community in and around Española. Additionally, Rio Arriba County is home to Heron Lake State Park, Vado Lake State Park, and numerous attractions in and around Chama including the Cumbres and Toltec Scenic Railroad. Because these attract tourists from nearby Santa Fe and Taos counties, the Arts, entertainment, and recreation industry is considered a basic economic sector for this analysis.

Health care and social assistance had an LQ of 1.03 in 2017. These LQs reflect the employment base of Rio Arriba's two medical centers, Los Alamos Medical Center and Española Hospital, both located in Española. Though the Health care and social assistance industry is often categorized as a non-basic industry, considering these hospitals' importance in serving several neighboring counties, this sector is considered as part of the basic economic base of Rio Arriba County.

The other sector with a LQ above 1.0 in 2017 included Utilities (2.52). Nevertheless, this industry in Rio Arriba County is to be considered as non-basic or a support industry.

The entry labeled Government and government enterprises is the aggregate figure of all government levels listed as government categories. All government sectors, with the exception of Military employment, had LQs greater than 1.0 in 2017. State government had an LQ of 1.64 in 2017 and LQs greater than 1.64 in all years considered. State government reflects the employment base of the District Eleven New Mexico State Police and the New Mexico Environmental Improvement Office, both located in Española. Federal civilian employment had an LQ of 1.20. This industry reflects the employment base of the East Rio Arriba Soil and Water Conservation District Office and the U.S. Rural Development Office, as well as Bandelier National Monument. For this analysis, Federal civilian and State government employment are considered as basic economic activities. Local government had an LQ of 3.28 in 2017. 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 Rio Arriba 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 Rio Arriba County:

1. The Agricultural sector, including Farm employment (1,914) and Forestry, fishing, and related industries (149), accounted for 2,063 total jobs.
2. Arts, entertainment, and recreation, accounted for 429 jobs.
3. Health care and social assistance, accounted for 1,834 jobs.
4. State government employment, accounted for 707 jobs.
5. Federal civilian employment, accounted for 276 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 Rio Arriba County, the multiplier is equal to 2.97 (15,745/ 5,309). This ratio suggests that the addition of

each basic sector job in Rio Arriba County would be associated with an additional 2.97 non-basic sector jobs. The export base multiplier (2.97) calculated above reinforces the importance of basic (exporting) industries to the economy of Rio Arriba 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 Rio Arriba County, potential double counting occupation may result in an upward bias of the multiplier given that farm proprietors often have more than one occupation.

Local economic development policy actions such as the creation of industrial parks, tax abatement and financing, and workforce development projects are often used by local communities to expand an area's economic base. The development of a community economic development plan is to include the appropriate combination of policies, which often result from public and private sector interaction.

Summary of Changes from Prior Year

This document has been revised to reflect data figures obtained from the BEA for the economic data and the U.S. Census for population data. The population of Rio Arriba County in 2017 was 39,159, an increase of 0.003 percent from the population of 39,158 in 2016. Per capita personal income in Rio Arriba County in 2017 was \$33,590, an increase of 0.95 percent from \$33,273 in 2016.

Tables 1 to 10 appear on pages 7-16

Table 1: Location Quotients for Rio Arriba County (US Base) 2013-2017					
US Base	2013	2014	2015	2016	2017
By type					
Wage and salary employment	0.87	0.88	0.89	0.90	0.90
Proprietors employment	1.46	1.42	1.37	1.34	1.34
Farm proprietors employment	10.53	10.73	10.86	11.17	11.34
Nonfarm proprietors employment	1.02	0.99	0.95	0.91	0.91
By industry					
Farm employment	8.63	8.59	8.75	9.13	9.06
Nonfarm employment	0.89	0.89	0.89	0.89	0.89
Private nonfarm employment	0.65	0.66	0.66	0.66	0.66
Forestry, fishing, and related activities	1.83	1.99	2.08	2.04	2.00
Mining	1.00	0.75	0.60	0.67	0.96
Utilities	2.62	2.30	2.44	2.37	2.52
Construction	0.85	0.80	0.80	0.76	0.74
Manufacturing	0.27	0.25	0.26	0.27	0.30
Wholesale trade	0.24	0.27	0.23	0.17	0.18
Retail trade	0.91	0.91	0.92	0.91	0.90
Transportation and warehousing	0.34	0.32	0.44	0.39	0.40
Information	0.42	0.41	0.36	0.42	0.46
Finance and insurance	0.31	0.32	0.29	0.28	0.28
Real estate and rental and leasing	0.37	0.36	0.35	0.34	0.34
Professional, scientific, and technical services	N/A	N/A	N/A	0.34	0.36
Management of companies and enterprises	N/A	N/A	N/A	0.23	0.24
Administrative and waste management services	0.55	0.61	0.59	0.56	0.56
Educational services	0.51	0.61	0.62	0.61	0.62
Health care and social assistance	1.00	1.03	1.02	1.03	1.03
Arts, entertainment, and recreation	1.03	0.99	1.02	1.04	1.20
Accommodation and food services	0.82	0.90	0.90	0.95	0.93
Other services, except public administration	0.78	0.79	0.78	0.81	0.81
Government and government enterprises	2.43	2.43	2.46	2.48	2.47
Federal, civilian	1.39	1.37	1.31	1.27	1.20
Military	0.63	0.62	0.63	0.65	0.65
State and local	2.77	2.77	2.82	2.83	2.83
State government	1.90	1.76	1.66	1.67	1.64
Local government	3.11	3.15	3.26	3.27	3.28
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 Rio Arriba County (NM Base) 2013-2017					
NM Based	2013	2014	2015	2016	2017
By type					
Wage and salary employment	0.86	0.87	0.88	0.89	0.89
Proprietors employment	1.52	1.49	1.45	1.42	1.41
Farm proprietors employment	5.35	5.36	5.33	5.40	5.38
Nonfarm proprietors employment	1.12	1.09	1.06	1.02	1.01
By industry					
Farm employment	4.61	4.67	4.60	4.60	4.66
Nonfarm employment	0.90	0.90	0.90	0.90	0.90
Private nonfarm employment	0.71	0.72	0.72	0.72	0.73
Forestry, fishing, and related activities	1.88	1.92	1.97	1.85	1.84
Mining	0.26	0.18	0.15	0.17	0.24
Utilities	1.92	1.69	1.78	1.70	1.83
Construction	0.78	0.75	0.76	0.74	0.70
Manufacturing	0.58	0.55	0.58	0.60	0.67
Wholesale trade	0.34	0.37	0.31	0.25	0.26
Retail trade	0.87	0.87	0.88	0.87	0.87
Transportation and warehousing	0.48	0.45	0.64	0.61	0.63
Information	0.51	0.50	0.44	0.51	0.56
Finance and insurance	0.52	0.52	0.48	0.46	0.45
Real estate and rental and leasing	0.46	0.45	0.44	0.42	0.43
Professional, scientific, and technical services	N/A	N/A	N/A	0.34	0.35
Management of companies and enterprises	N/A	N/A	N/A	0.54	0.56
Administrative and waste management services	0.67	0.77	0.75	0.71	0.68
Educational services	0.80	0.95	0.97	0.94	0.96
Health care and social assistance	0.98	1.00	0.96	0.95	0.95
Arts, entertainment, and recreation	1.04	1.00	1.02	1.06	1.20
Accommodation and food services	0.74	0.80	0.80	0.83	0.83
Other services, except public administration	0.89	0.91	0.90	0.91	0.92
Government and government enterprises	1.64	1.62	1.64	1.63	1.63
Federal, civilian	0.76	0.76	0.72	0.70	0.66
Military	0.41	0.40	0.42	0.41	0.40
State and local	1.94	1.91	1.93	1.93	1.95
State government	1.03	0.93	0.86	0.86	0.86
Local government	2.44	2.47	2.53	2.54	2.56
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: Rio Arriba County Total Employment by Industry 2017		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	10,984	69.76
Proprietors employment	4,761	30.24
Farm proprietors employment	1,650	10.48
Nonfarm proprietors employment	3,111	19.76
By industry		
Farm employment	1,914	12.16
Nonfarm employment	13,831	87.84
Private nonfarm employment	8,999	57.15
Forestry, fishing, and related activities	149	0.95
Mining	117	0.74
Utilities	134	0.85
Construction	632	4.01
Manufacturing	320	2.03
Wholesale trade	94	0.60
Retail trade	1,383	8.78
Transportation and warehousing	245	1.56
Information	124	0.79
Finance and insurance	235	1.49
Real estate and rental and leasing	250	1.59
Professional, scientific, and technical services	396	2.52
Management of companies and enterprises	52	0.33
Administrative and waste management services	539	3.42
Educational services	235	1.49
Health care and social assistance	1,834	11.65
Arts, entertainment, and recreation	429	2.72
Accommodation and food services	1,102	7.00
Other services, except public administration	729	4.63
Government and government enterprises	4,832	30.69
Federal, civilian	276	1.75
Military	100	0.64
State and local	4,456	28.30
State government	707	4.49
Local government	3,749	23.81
Total employment	15,745	100.00

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

Table 4: Rio Arriba County Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	10517	10676	10942	10917	10984
Proprietors employment	5012	4962	4870	4694	4761
Farm proprietors employment	1665	1660	1653	1644	1650
Nonfarm proprietors employment 2/	3347	3302	3217	3050	3111
By industry					
Farm employment	1945	1907	1925	1948	1914
Nonfarm employment	13584	13731	13887	13663	13831
Private nonfarm employment	8604	8825	8944	8804	8999
Forestry, fishing, and related activities	142	157	158	154	149
Mining	137	101	78	79	117
Utilities	129	112	121	119	134
Construction	666	645	657	637	632
Manufacturing	296	270	285	286	320
Wholesale trade	132	155	128	89	94
Retail trade	1420	1426	1465	1410	1383
Transportation and warehousing	175	169	251	234	245
Information	118	114	100	116	124
Finance and insurance	262	259	240	233	235
Real estate and rental and leasing	254	252	250	240	250
Professional, scientific, and technical services	(D)	(D)	(D)	375	396
Management of companies and enterprises	(D)	(D)	(D)	49	52
Administrative and waste management services	529	601	578	544	539
Educational services	190	229	238	229	235
Health care and social assistance	1752	1801	1801	1816	1834
Arts, entertainment, and recreation	355	351	359	367	429
Accommodation and food services	919	1019	1045	1104	1102
Other services, except public administration	697	725	724	723	729
Government and government enterprises	4980	4906	4943	4859	4832
Federal, civilian	335	321	305	292	276
Military	109	102	102	101	100
State and local	4536	4483	4536	4466	4456
State government	857	788	738	721	707
Local government	3679	3695	3798	3745	3749
Total employment	15529	15638	15812	15611	15745

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: Rio Arriba County, New Mexico and United States Percent of Employment by Industry 2017			
	United States	New Mexico	Rio Arriba County
By type			
Wage and salary employment	77.41	78.54	69.76
Proprietors employment	22.59	21.46	30.24
Farm proprietors employment	0.92	1.95	10.48
Nonfarm proprietors employment	21.67	19.51	19.76
By industry			
Farm employment	1.34	2.61	12.16
Nonfarm employment	98.66	97.39	87.84
Private nonfarm employment	86.22	78.60	57.15
Forestry, fishing, and related activities	0.47	0.52	0.95
Mining	0.77	3.07	0.74
Utilities	0.34	0.46	0.85
Construction	5.42	5.70	4.01
Manufacturing	6.78	3.03	2.03
Wholesale trade	3.30	2.27	0.60
Retail trade	9.80	10.15	8.78
Transportation and warehousing	3.91	2.46	1.56
Information	1.73	1.40	0.79
Finance and insurance	5.36	3.35	1.49
Real estate and rental and leasing	4.64	3.70	1.59
Professional, scientific, and technical services	7.00	7.25	2.52
Management of companies and enterprises	1.36	0.59	0.33
Administrative and waste management services	6.16	5.04	3.42
Educational services	2.39	1.55	1.49
Health care and social assistance	11.32	12.27	11.65
Arts, entertainment, and recreation	2.27	2.26	2.72
Accommodation and food services	7.49	8.47	7.00
Other services, except public administration	5.69	5.05	4.63
Government and government enterprises	12.44	18.79	30.69
Federal, civilian	1.46	2.67	1.75
Military	0.98	1.58	0.64
State and local	10.00	14.54	28.30
State government	2.74	5.25	4.49
Local government	7.27	9.29	23.81
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: Rio Arriba County Percent of Employment by Sectors 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	67.72	68.27	69.20	69.93	69.76
Proprietors employment	32.28	31.73	30.80	30.07	30.24
Farm proprietors employment	10.72	10.62	10.45	10.53	10.48
Nonfarm proprietors employment	21.55	21.12	20.35	19.54	19.76
By industry					
Farm employment	12.52	12.19	12.17	12.48	12.16
Nonfarm employment	87.48	87.81	87.83	87.52	87.84
Private nonfarm employment	55.41	56.43	56.56	56.40	57.15
Forestry, fishing, and related activities	0.91	1.00	1.00	0.99	0.95
Mining	0.88	0.65	0.49	0.51	0.74
Utilities	0.83	0.72	0.77	0.76	0.85
Construction	4.29	4.12	4.16	4.08	4.01
Manufacturing	1.91	1.73	1.80	1.83	2.03
Wholesale trade	0.85	0.99	0.81	0.57	0.60
Retail trade	9.14	9.12	9.27	9.03	8.78
Transportation and warehousing	1.13	1.08	1.59	1.50	1.56
Information	0.76	0.73	0.63	0.74	0.79
Finance and insurance	1.69	1.66	1.52	1.49	1.49
Real estate and rental and leasing	1.64	1.61	1.58	1.54	1.59
Professional, scientific, and technical services	N/A	N/A	N/A	2.40	2.52
Management of companies and enterprises	N/A	N/A	N/A	0.31	0.33
Administrative and waste management services	3.41	3.84	3.66	3.48	3.42
Educational services	1.22	1.46	1.51	1.47	1.49
Health care and social assistance	11.28	11.52	11.39	11.63	11.65
Arts, entertainment, and recreation	2.29	2.24	2.27	2.35	2.72
Accommodation and food services	5.92	6.52	6.61	7.07	7.00
Other services, except public administration	4.49	4.64	4.58	4.63	4.63
Government and government enterprises	32.07	31.37	31.26	31.13	30.69
Federal, civilian	2.16	2.05	1.93	1.87	1.75
Military	0.70	0.65	0.65	0.65	0.64
State and local	29.21	28.67	28.69	28.61	28.30
State government	5.52	5.04	4.67	4.62	4.49
Local government	23.69	23.63	24.02	23.99	23.81
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