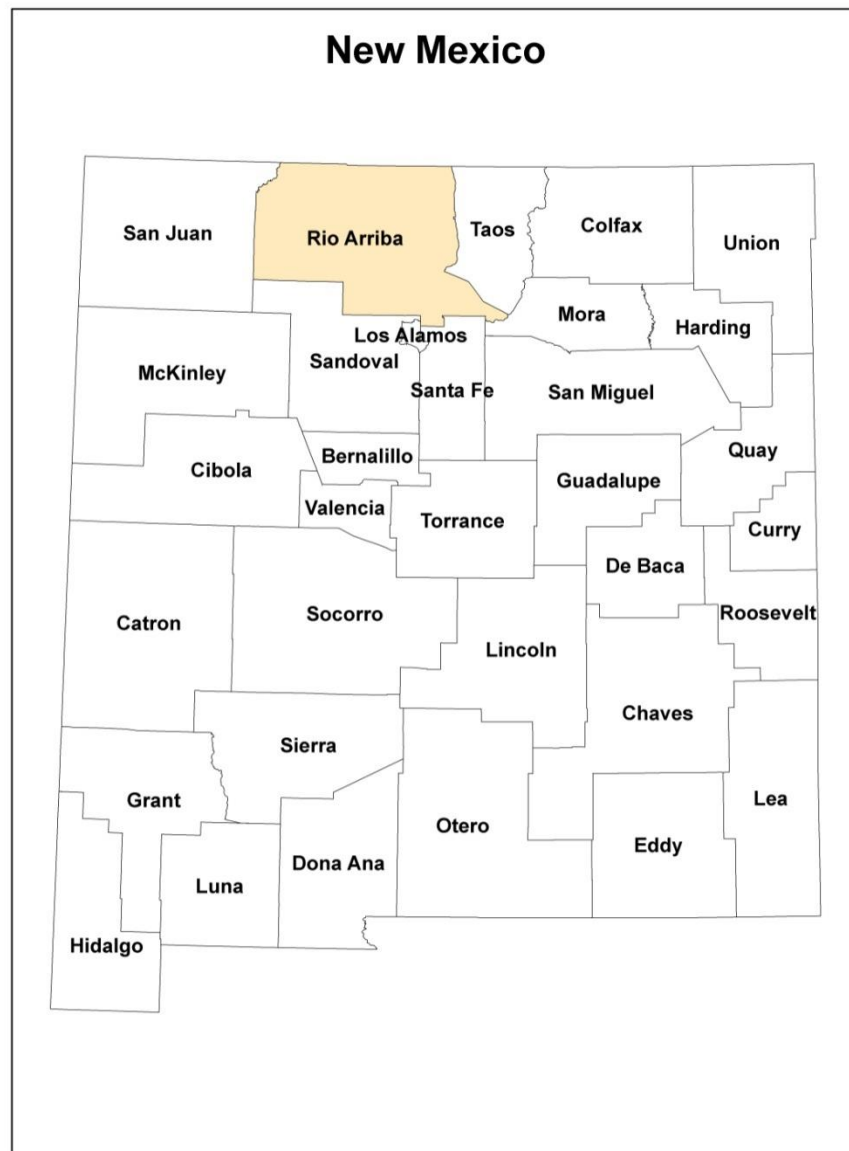




**The Economic Base of Rio Arriba County, NM**

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

**DATE: July 2016**



## 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, 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:

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

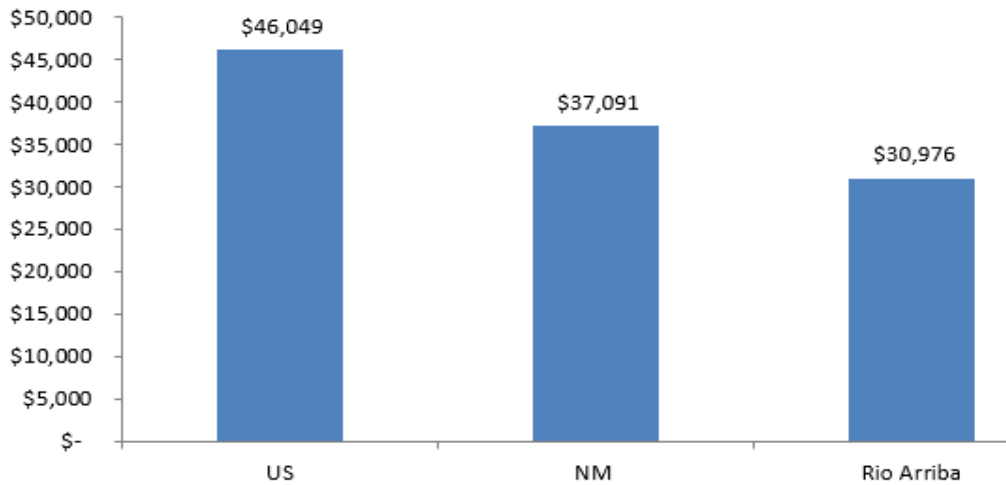
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, as the state or national economy. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the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

In this report, LQs are calculated and analyzed for the industries within Rio Arriba 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 which data are available and the four years preceding (2010-2014). 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).

### **Rio Arriba County, New Mexico**

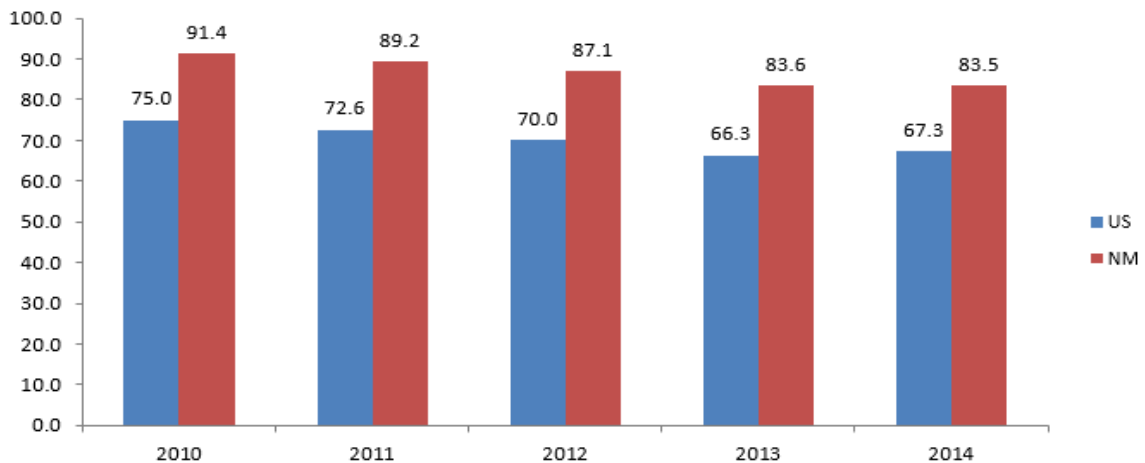
Rio Arriba County is located in northwestern New Mexico and contains 5,860.84 square miles, or 4.83 percent of the land area in New Mexico. The population of Rio Arriba County in 2014 was 39,777, or 1.9 percent of the state total, ranking 13<sup>th</sup> in New Mexico in terms of population. Between 2010 and 2014, the population of Rio Arriba County decreased by 1.34 percent. The Town of Española, with a population of 10,216 in 2014 represented 25.68 percent of the population of Rio Arriba County. During the same period, New Mexico's population increased by 1.0 percent and the United States' population increased by 3.07 percent.

**Figure 1. Per Capita Personal Income 2014**



Per capita personal income in Rio Arriba County was \$30,976 and ranked 26<sup>th</sup> in the state in terms of per capita income in 2014. Per capita income for Rio Arriba County in 2014 was 83.5 percent of the corresponding state figure (\$37,091) and 67.3 percent of the national average (\$46,049) (See Figures 1 and 2). The percent growth of per capita income in Rio Arriba County between 2010 and 2014 was 2.59 percent, which was less than the state’s (12.33) and nation’s (14.33) growth rate for the same period

**Figure 2 : Per Capita Income of Rio Arriba County as Percent of U.S. and New Mexico, 2010-2014**



Total employment in Rio Arriba County was 16,390 in 2014. Between 2010 and 2014, total employment in Rio Arriba County decreased by 2.15 percent, while the state’s total employment increased by 2.20 percent and the nation’s employment increased by 7.38 percent for the same period. The Rio Arriba County employment to population ratio was 0.41 in 2014, compared to the state ratio (0.52) and the nation’s ratio (0.58). This ratio represents a low rate of the population being employed in the county.

In 2014, 58.49 percent of Rio Arriba County was employed in the Private sector, while 29.87 percent were employed in Government and government enterprises, and 11.64 percent worked in Farm employment. The industries with the highest percentages of total employment included: Health care and social assistance (11.38 percent), Retail trade (9.15), and Accommodation and food services (6.27). Within the public sector, Local government was the largest employer with 22.54 percent of total employment; State employment accounted for 4.72 percent, Federal / civilian accounted for 1.98 percent and Military for 0.63 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 2010 to 2014 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Rio Arriba County from 2010 to 2014 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 8.18, with LQs greater than 6.16 for all years considered; Forestry, fishing, and related activities had an LQ of 1.84 in 2014 and LQs greater than 1.44 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 1.10 in 2014 and LQs exceeding 1.06 in all years considered, 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 1.02 in 2014, as well as LQs in between .98 and 1.11 in all years considered. 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.

Mining is also to be considered as a basic economic activity in Rio Arriba County. The Mining sector had an LQ of .91 in 2014, however, in previous years, the LQs fluctuated between 1.03 and 1.19. The Mining sector includes pumice mining, especially in the Guaje Canyon Mine and the El Cajete Mine, both located in the Jemez Mountains, southwest of Española. The other sector with a LQ above 1.0 in 2014 included Utilities (2.45). 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 2014. State government had an LQ of 1.66 in 2014 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 1.32 and LQs exceeding 1.32 in all years considered. 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 3.0 in 2014. 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 2014 the following industries should be considered basic industries in Rio Arriba County:

1. The Agricultural sector, including Farm employment (1,907) and Forestry, fishing, and related industries (152), accounted for 2,059 total jobs.
2. Arts, entertainment, and recreation, accounted for 404 jobs.
3. Health care and social assistance, accounted for 1,866 jobs.
4. Mining, accounted for 136 jobs.
5. State government employment, accounted for 774 jobs.
6. Federal civilian employment, accounted for 324 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 2.95 (16,390/ 5,563). This ratio suggests that the addition of each basic sector job in Rio Arriba County would be associated with an additional 2.95 non-basic sector jobs. The export base multiplier (2.95) 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 2014 was 39,777, a decrease of 0.78 percent from the population of 40,088 in 2013. Per capita personal income in Rio Arriba County in 2014 was \$30,976, an increase of 5.11 percent from \$29,471 in 2013. Basic industries remained unchanged.

**Tables 1 to 10 appear on pages 7-16**

**Table 1: Location Quotients for Rio Arriba County (US Base) 2010-2014**

<b>US Base</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
<b>By type</b>					
Wage and salary employment	0.87	0.83	0.83	0.83	0.83
Proprietors employment	1.46	1.58	1.59	1.59	1.60
Farm proprietors employment	7.57	8.98	9.95	10.10	10.22
Nonfarm proprietors employment	1.14	1.21	1.18	1.18	1.19
<b>By industry</b>					
<b>Farm employment</b>	<b>6.16</b>	<b>7.28</b>	<b>8.07</b>	<b>8.27</b>	<b>8.18</b>
Nonfarm employment	0.92	0.90	0.89	0.89	0.90
Private nonfarm employment	0.71	0.69	0.67	0.67	0.68
Forestry, fishing, and related activities	1.44	1.77	1.81	1.89	1.84
Mining	1.03	1.14	1.06	1.19	0.91
Utilities	2.45	2.76	2.74	2.67	2.45
Construction	0.99	0.98	0.95	0.93	0.93
Manufacturing	0.31	0.31	0.31	0.29	0.30
Wholesale trade	0.26	0.27	0.27	0.26	0.24
Retail trade	0.97	0.93	0.93	0.91	0.91
Transportation and warehousing	0.39	0.39	0.36	0.35	0.34
Information	0.46	0.38	0.45	0.45	0.46
Finance and insurance	0.35	0.34	0.31	0.32	0.33
Real estate and rental and leasing	0.50	0.55	0.45	0.40	0.40
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	N/A
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	0.51	0.47	0.53	0.60	0.61
Educational services	0.60	0.64	0.54	0.52	0.63
Health care and social assistance	1.11	1.04	0.97	0.98	1.02
Arts, entertainment, and recreation	1.06	1.15	1.15	1.11	1.10
Accommodation and food services	0.88	0.77	0.76	0.80	0.86
Other services, except public administration	0.83	0.83	0.82	0.82	0.85
Government and government enterprises	2.16	2.25	2.33	2.33	2.31
Federal, civilian	1.34	1.33	1.34	1.33	1.32
Military	0.53	0.58	0.59	0.61	0.59
State and local	2.46	2.57	2.67	2.66	2.63
State government	1.65	1.64	1.78	1.83	1.66
Local government	2.76	2.92	3.00	2.98	3.00
<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>					



**Table 2: Location Quotients for Rio Arriba County (NM Base) 2010-2014**

<b>NM Based</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
<b>By type</b>					
Wage and salary employment	0.86	0.82	0.83	0.81	0.82
Proprietors employment	1.51	1.65	1.64	1.67	1.66
Farm proprietors employment	4.57	4.91	5.10	5.53	5.11
Nonfarm proprietors employment	1.22	1.32	1.28	1.29	1.30
<b>By industry</b>					
Farm employment	3.88	4.24	4.44	4.86	4.46
Nonfarm employment	0.93	0.91	0.91	0.90	0.91
Private nonfarm employment	0.78	0.75	0.73	0.74	0.75
Forestry, fishing, and related activities	1.44	1.75	1.86	1.88	1.78
Mining	0.29	0.30	0.29	0.36	0.23
Utilities	1.91	2.12	2.08	1.99	1.81
Construction	0.87	0.88	0.87	0.85	0.87
Manufacturing	0.67	0.64	0.65	0.62	0.66
Wholesale trade	0.35	0.38	0.38	0.37	0.35
Retail trade	0.95	0.91	0.90	0.88	0.87
Transportation and warehousing	0.56	0.55	0.50	0.50	0.47
Information	0.53	0.45	0.52	0.54	0.56
Finance and insurance	0.57	0.56	0.51	0.51	0.53
Real estate and rental and leasing	0.59	0.66	0.54	0.46	0.49
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	N/A
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	0.60	0.56	0.66	0.72	0.76
Educational services	0.90	0.98	0.83	0.75	0.96
Health care and social assistance	1.09	1.01	0.94	0.97	0.98
Arts, entertainment, and recreation	1.07	1.17	1.16	1.13	1.12
Accommodation and food services	0.79	0.70	0.69	0.75	0.77
Other services, except public administration	0.93	0.93	0.93	0.99	0.97
Government and government enterprises	1.50	1.54	1.58	1.53	1.55
Federal, civilian	0.74	0.72	0.73	0.68	0.72
Military	0.40	0.40	0.40	0.40	0.39
State and local	1.77	1.83	1.88	1.83	1.83
State government	0.88	0.90	0.97	0.97	0.88
Local government	2.27	2.35	2.38	2.31	2.36
<b>Total employment</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>

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

<b>Table 3: Rio Arriba County Total Employment by Industry 2014</b>		
	<b>Total Jobs</b>	<b>Percent of Total Employment</b>
<b>By type</b>		
Wage and salary employment	10,623	64.81
Proprietors employment	5,767	35.19
Farm proprietors employment	1,660	10.13
Nonfarm proprietors employment	4,107	25.06
<b>By industry</b>		
Farm employment	1,907	11.64
Nonfarm employment	14,483	88.36
Private nonfarm employment	9,587	58.49
Forestry, fishing, and related activities	152	0.93
Mining	136	0.83
Utilities	126	0.77
Construction	792	4.83
Manufacturing	349	2.13
Wholesale trade	138	0.84
Retail trade	1,500	9.15
Transportation and warehousing	186	1.13
Information	133	0.81
Finance and insurance	282	1.72
Real estate and rental and leasing	287	1.75
Professional, scientific, and technical services	(D)	N/A
Management of companies and enterprises	(D)	N/A
Administrative and waste management services	632	3.86
Educational services	246	1.50
Health care and social assistance	1,866	11.38
Arts, entertainment, and recreation	404	2.46
Accommodation and food services	1,027	6.27
Other services, except public administration	814	4.97
Government and government enterprises	4,896	29.87
Federal, civilian	324	1.98
Military	103	0.63
State and local	4,469	27.27
State government	774	4.72
Local government	3,695	22.54
<b>Total employment</b>	<b>16,390</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: Rio Arriba County Employment by Industry 2010-2014**

<b>Number of jobs by industry</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
<b>By type</b>					
Wage and salary employment	11,449	10,526	10,526	10,503	10,623
Proprietors employment	5,301	5,697	5,640	5,700	5,767
Farm proprietors employment	1,380	1,551	1,657	1,665	1,660
Nonfarm proprietors employment 2/	3,921	4,146	3,983	4,035	4,107
<b>By industry</b>					
Farm employment	1,572	1,768	1,910	1,945	1,907
Nonfarm employment	15,178	14,455	14,256	14,258	14,483
Private nonfarm employment	10,024	9,425	9,183	9,277	9,587
Forestry, fishing, and related activities	119	140	145	153	152
Mining	126	130	148	169	136
Utilities	138	146	143	137	126
Construction	845	792	765	769	792
Manufacturing	367	348	350	334	349
Wholesale trade	149	151	150	147	138
Retail trade	1,657	1,540	1,518	1,488	1,500
Transportation and warehousing	206	202	190	187	186
Information	143	113	130	132	133
Finance and insurance	309	303	270	275	282
Real estate and rental and leasing	372	399	316	284	287
Professional, scientific, and technical services	(D)	(D)	(D)	(D)	(D)
Management of companies and enterprises	(D)	(D)	(D)	(D)	(D)
Administrative and waste management services	514	469	531	610	632
Educational services	238	241	203	200	246
Health care and social assistance	2,055	1,863	1,763	1,790	1,866
Arts, entertainment, and recreation	390	411	415	399	404
Accommodation and food services	1,017	878	873	936	1,027
Other services, except public administration	788	784	771	768	814
Government and government enterprises	5,154	5,030	5,073	4,981	4,896
Federal, civilian	393	357	348	335	324
Military	108	111	110	110	103
State and local	4,653	4,562	4,615	4,536	4,469
State government	843	797	845	857	774
Local government	3,810	3,765	3,770	3,679	3,695
<b>Total employment</b>	<b>16,750</b>	<b>16,223</b>	<b>16,166</b>	<b>16,203</b>	<b>16,390</b>

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

<b>Table 5: New Mexico Employment by Industry 2010-2014</b>					
<b>Number of jobs by industry</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
<b>By type</b>					
Wage and salary employment	837,320	837,281	839,789	846,885	853,031
Proprietors employment	222,287	226,512	226,191	226,600	229,851
Farm proprietors employment	19,083	20,715	21,436	21,547	21,470
Nonfarm proprietors employment	203,204	205,797	204,755	205,053	208,381
<b>By industry</b>					
Farm employment	25,630	27,323	28,370	29,218	28,250
Nonfarm employment	1,033,977	1,036,470	1,037,610	1,044,267	1,054,632
Private nonfarm employment	816,542	822,659	825,711	833,413	845,765
Forestry, fishing, and related activities	5,215	5,237	5,149	5,260	5,641
Mining	27,022	28,356	34,227	36,850	39,435
Utilities	4,565	4,508	4,542	4,623	4,612
Construction	61,238	59,293	57,937	59,216	59,945
Manufacturing	34,537	35,613	35,664	35,444	34,774
Wholesale trade	26,801	26,373	26,083	26,136	26,159
Retail trade	110,226	111,331	111,668	112,557	113,598
Transportation and warehousing	23,351	24,281	25,294	25,408	26,133
Information	17,114	16,469	16,468	16,070	15,567
Finance and insurance	34,550	35,451	35,046	34,666	35,153
Real estate and rental and leasing	39,916	39,833	38,412	38,437	38,678
Professional, scientific, and technical services	78,331	77,473	76,057	75,807	76,505
Management of companies and enterprises	5,406	5,504	5,457	5,514	5,504
Administrative and waste management services	54,266	54,742	53,383	54,572	54,708
Educational services	16,734	16,208	16,094	16,326	16,855
Health care and social assistance	119,378	121,489	123,078	123,434	125,250
Arts, entertainment, and recreation	22,981	23,007	23,586	23,621	23,803
Accommodation and food services	81,122	82,309	83,126	85,409	87,918
Other services, except public administration	53,789	55,182	54,440	54,063	55,527
Government and government enterprises	217,435	213,811	211,899	210,854	208,867
Federal, civilian	33,728	32,611	31,631	30,389	29,538
Military	17,136	18,057	18,178	18,350	17,563
State and local	166,571	163,143	162,090	162,115	161,766
State government	60,408	58,306	57,523	57,775	58,152
Local government	106,163	104,837	104,567	104,340	103,614
<b>Total employment</b>	<b>1,059,607</b>	<b>1,063,793</b>	<b>1,065,980</b>	<b>1,073,485</b>	<b>1,082,882</b>

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

<b>Table 6: United States Employment by Industry 2010-2014</b>					
<b>Number of jobs by industry</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
<b>By type</b>					
Wage and salary employment	135,526,000	137,105,000	139,721,000	141,997,000	144,891,000
Proprietors employment	37,508,700	39,173,700	39,360,700	40,393,100	40,907,800
Farm proprietors employment	1,882,000	1,876,000	1,844,000	1,856,000	1,841,000
Nonfarm proprietors employment 2/	35,626,700	37,297,700	37,516,700	38,537,100	39,066,800
<b>By industry</b>					
Farm employment	2,636,000	2,639,000	2,623,000	2,646,000	2,643,000
Nonfarm employment	170,398,700	173,639,700	176,458,700	179,744,100	183,155,800
Private nonfarm employment	145,726,700	149,350,700	152,356,700	155,707,100	159,125,800
Forestry, fishing, and related activities	855,400	860,600	886,400	913,100	937,000
Mining	1,268,000	1,244,000	1,551,200	1,605,000	1,692,000
Utilities	582,200	575,500	577,600	578,300	582,400
Construction	8,793,700	8,774,800	8,944,800	9,260,800	9,610,400
Manufacturing	12,102,900	12,385,700	12,605,200	12,765,200	12,993,400
Wholesale trade	6,024,000	6,160,300	6,243,500	6,342,100	6,419,700
Retail trade	17,591,600	17,954,300	18,085,800	18,391,100	18,710,900
Transportation and warehousing	5,474,200	5,684,800	5,872,400	6,004,800	6,225,000
Information	3,222,600	3,230,000	3,224,700	3,266,600	3,302,000
Finance and insurance	9,202,400	9,751,500	9,702,300	9,817,300	9,833,100
Real estate and rental and leasing	7,697,000	7,936,300	7,859,200	8,062,800	8,135,100
Professional, scientific, and technical services	11,755,800	11,970,100	12,211,200	12,540,300	12,822,700
Management of companies and enterprises	2,019,400	2,080,600	2,180,200	2,264,000	2,336,000
Administrative and waste management services	10,402,200	10,753,600	11,035,400	11,380,900	11,734,900
Educational services	4,089,900	4,122,600	4,198,200	4,325,100	4,439,000
Health care and social assistance	19,089,900	19,417,200	20,112,500	20,486,200	20,832,900
Arts, entertainment, and recreation	3,788,400	3,873,300	3,980,900	4,048,800	4,149,400
Accommodation and food services	11,986,300	12,343,400	12,670,500	13,103,200	13,476,300
Other services, except public administration	9,780,800	10,232,100	10,414,700	10,551,500	10,893,600
Government and government enterprises	24,672,000	24,289,000	24,102,000	24,037,000	24,030,000
Federal, civilian	3,035,000	2,918,000	2,875,000	2,825,000	2,790,000
Military	2,100,000	2,081,000	2,056,000	2,032,000	1,982,000
State and local	19,537,000	19,290,000	19,171,000	19,180,000	19,258,000
State government	5,293,000	5,266,000	5,254,000	5,263,000	5,280,000
Local government	14,244,000	14,024,000	13,917,000	13,917,000	13,978,000
<b>Total employment</b>	<b>173,034,700</b>	<b>176,278,700</b>	<b>179,081,700</b>	<b>182,390,100</b>	<b>185,798,800</b>

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

<b>Table 7: Rio Arriba County, New Mexico and United States Percent of Employment by Industry 2014</b>			
	<b>United States</b>	<b>New Mexico</b>	<b>Rio Arriba County</b>
<b>By type</b>			
Wage and salary employment	77.98	78.77	64.81
Proprietors employment	22.02	21.23	35.19
Farm proprietors employment	0.99	1.98	10.13
Nonfarm proprietors employment	21.03	19.24	25.06
<b>By industry</b>			
Farm employment	1.42	2.61	11.64
Nonfarm employment	98.58	97.39	88.36
Private nonfarm employment	85.64	78.10	58.49
Forestry, fishing, and related activities	0.50	0.52	0.93
Mining	0.91	3.64	0.83
Utilities	0.31	0.43	0.77
Construction	5.17	5.54	4.83
Manufacturing	6.99	3.21	2.13
Wholesale trade	3.46	2.42	0.84
Retail trade	10.07	10.49	9.15
Transportation and warehousing	3.35	2.41	1.13
Information	1.78	1.44	0.81
Finance and insurance	5.29	3.25	1.72
Real estate and rental and leasing	4.38	3.57	1.75
Professional, scientific, and technical services	6.90	7.06	N/A
Management of companies and enterprises	1.26	0.51	N/A
Administrative and waste management services	6.32	5.05	3.86
Educational services	2.39	1.56	1.50
Health care and social assistance	11.21	11.57	11.38
Arts, entertainment, and recreation	2.23	2.20	2.46
Accommodation and food services	7.25	8.12	6.27
Other services, except public administration	5.86	5.13	4.97
Government and government enterprises	12.93	19.29	29.87
Federal, civilian	1.50	2.73	1.98
Military	1.07	1.62	0.63
State and local	10.36	14.94	27.27
State government	2.84	5.37	4.72
Local government	7.52	9.57	22.54
<b>Total employment</b>	<b>100.00</b>	<b>100.00</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 8: Rio Arriba County Percent of Employment by Sectors 2010-2014**

Description	2010	2011	2012	2013	2014
<b>By type</b>					
Wage and salary employment	68.35	64.88	65.11	64.82	64.81
Proprietors employment	31.65	35.12	34.89	35.18	35.19
Farm proprietors employment	8.24	9.56	10.25	10.28	10.13
Nonfarm proprietors employment	23.41	25.56	24.64	24.90	25.06
<b>By industry</b>					
Farm employment	9.39	10.90	11.81	12.00	11.64
Nonfarm employment	90.61	89.10	88.19	88.00	88.36
Private nonfarm employment	59.84	58.10	56.80	57.25	58.49
Forestry, fishing, and related activities	0.71	0.86	0.90	0.94	0.93
Mining	0.75	0.80	0.92	1.04	0.83
Utilities	0.82	0.90	0.88	0.85	0.77
Construction	5.04	4.88	4.73	4.75	4.83
Manufacturing	2.19	2.15	2.17	2.06	2.13
Wholesale trade	0.89	0.93	0.93	0.91	0.84
Retail trade	9.89	9.49	9.39	9.18	9.15
Transportation and warehousing	1.23	1.25	1.18	1.15	1.13
Information	0.85	0.70	0.80	0.81	0.81
Finance and insurance	1.84	1.87	1.67	1.70	1.72
Real estate and rental and leasing	2.22	2.46	1.95	1.75	1.75
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	N/A
Management of companies and enterprises	N/A	N/A	N/A	N/A	N/A
Administrative and waste management services	3.07	2.89	3.28	3.76	3.86
Educational services	1.42	1.49	1.26	1.23	1.50
Health care and social assistance	12.27	11.48	10.91	11.05	11.38
Arts, entertainment, and recreation	2.33	2.53	2.57	2.46	2.46
Accommodation and food services	6.07	5.41	5.40	5.78	6.27
Other services, except public administration	4.70	4.83	4.77	4.74	4.97
Government and government enterprises	30.77	31.01	31.38	30.74	29.87
Federal, civilian	2.35	2.20	2.15	2.07	1.98
Military	0.64	0.68	0.68	0.68	0.63
State and local	27.78	28.12	28.55	27.99	27.27
State government	5.03	4.91	5.23	5.29	4.72
Local government	22.75	23.21	23.32	22.71	22.54
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</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 9: New Mexico Percent of Employment by Industry 2010 - 2014**

Description	2010	2011	2012	2013	2014
<b>By type</b>					
Wage and salary employment	79.02	78.71	78.78	78.89	78.77
Proprietors employment	20.98	21.29	21.22	21.11	21.23
Farm proprietors employment	1.80	1.95	2.01	2.01	1.98
Nonfarm proprietors employment	19.18	19.35	19.21	19.10	19.24
<b>By industry</b>					
Farm employment	2.42	2.57	2.66	2.72	2.61
Nonfarm employment	97.58	97.43	97.34	97.28	97.39
Private nonfarm employment	77.06	77.33	77.46	77.64	78.10
Forestry, fishing, and related activities	0.49	0.49	0.48	0.49	0.52
Mining	2.55	2.67	3.21	3.43	3.64
Utilities	0.43	0.42	0.43	0.43	0.43
Construction	5.78	5.57	5.44	5.52	5.54
Manufacturing	3.26	3.35	3.35	3.30	3.21
Wholesale trade	2.53	2.48	2.45	2.43	2.42
Retail trade	10.40	10.47	10.48	10.49	10.49
Transportation and warehousing	2.20	2.28	2.37	2.37	2.41
Information	1.62	1.55	1.54	1.50	1.44
Finance and insurance	3.26	3.33	3.29	3.23	3.25
Real estate and rental and leasing	3.77	3.74	3.60	3.58	3.57
Professional, scientific, and technical services	7.39	7.28	7.13	7.06	7.06
Management of companies and enterprises	0.51	0.52	0.51	0.51	0.51
Administrative and waste management services	5.12	5.15	5.01	5.08	5.05
Educational services	1.58	1.52	1.51	1.52	1.56
Health care and social assistance	11.27	11.42	11.55	11.50	11.57
Arts, entertainment, and recreation	2.17	2.16	2.21	2.20	2.20
Accommodation and food services	7.66	7.74	7.80	7.96	8.12
Other services, except public administration	5.08	5.19	5.11	5.04	5.13
Government and government enterprises	20.52	20.10	19.88	19.64	19.29
Federal, civilian	3.18	3.07	2.97	2.83	2.73
Military	1.62	1.70	1.71	1.71	1.62
State and local	15.72	15.34	15.21	15.10	14.94
State government	5.70	5.48	5.40	5.38	5.37
Local government	10.02	9.86	9.81	9.72	9.57
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

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



<b>Table 10: United States Percent of Employment by Industry 2010-2014</b>					
<b>Description</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
<b>By type</b>					
Wage and salary employment	78.32	77.78	78.02	77.85	77.98
Proprietors employment	21.68	22.22	21.98	22.15	22.02
Farm proprietors employment	1.09	1.06	1.03	1.02	0.99
Nonfarm proprietors employment	20.59	21.16	20.95	21.13	21.03
<b>By industry</b>					
Farm employment	1.52	1.50	1.46	1.45	1.42
Nonfarm employment	98.48	98.50	98.54	98.55	98.58
Private nonfarm employment	84.22	84.72	85.08	85.37	85.64
Forestry, fishing, and related activities	0.49	0.49	0.49	0.50	0.50
Mining	0.73	0.71	0.87	0.88	0.91
Utilities	0.34	0.33	0.32	0.32	0.31
Construction	5.08	4.98	4.99	5.08	5.17
Manufacturing	6.99	7.03	7.04	7.00	6.99
Wholesale trade	3.48	3.49	3.49	3.48	3.46
Retail trade	10.17	10.19	10.10	10.08	10.07
Transportation and warehousing	3.16	3.22	3.28	3.29	3.35
Information	1.86	1.83	1.80	1.79	1.78
Finance and insurance	5.32	5.53	5.42	5.38	5.29
Real estate and rental and leasing	4.45	4.50	4.39	4.42	4.38
Professional, scientific, and technical services	6.79	6.79	6.82	6.88	6.90
Management of companies and enterprises	1.17	1.18	1.22	1.24	1.26
Administrative and waste management services	6.01	6.10	6.16	6.24	6.32
Educational services	2.36	2.34	2.34	2.37	2.39
Health care and social assistance	11.03	11.02	11.23	11.23	11.21
Arts, entertainment, and recreation	2.19	2.20	2.22	2.22	2.23
Accommodation and food services	6.93	7.00	7.08	7.18	7.25
Other services, except public administration	5.65	5.80	5.82	5.79	5.86
Government and government enterprises	14.26	13.78	13.46	13.18	12.93
Federal, civilian	1.75	1.66	1.61	1.55	1.50
Military	1.21	1.18	1.15	1.11	1.07
State and local	11.29	10.94	10.71	10.52	10.36
State government	3.06	2.99	2.93	2.89	2.84
Local government	8.23	7.96	7.77	7.63	7.52
<b>Total employment</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

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