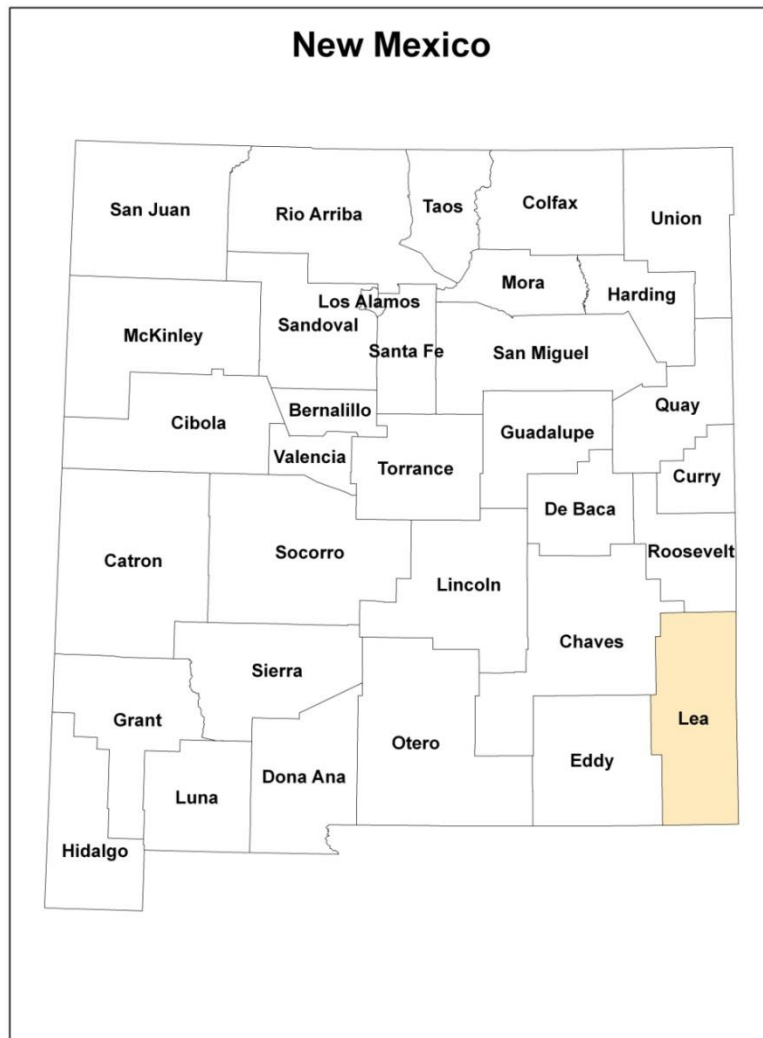




The Economic Base of Lea County, NM

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

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Introduction

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

The reports have been prepared under the direction of James Peach, 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. 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:

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

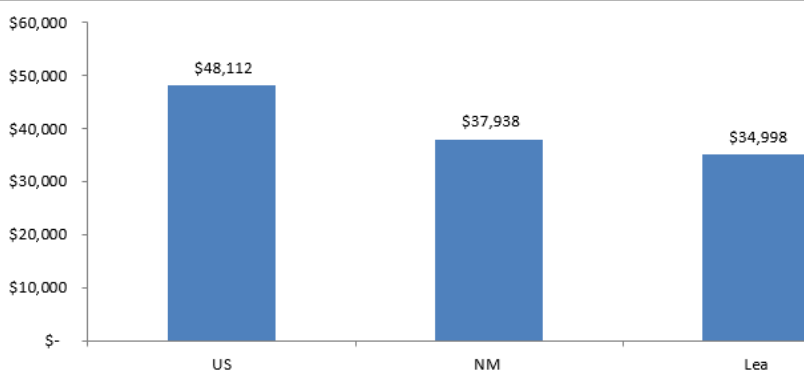
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, as the state or national economy. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the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

Lea County, New Mexico

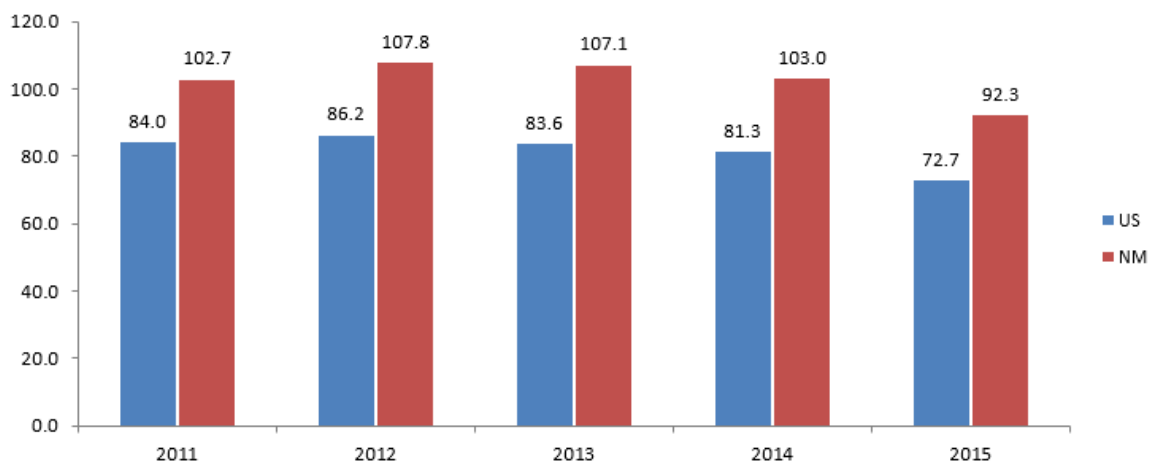
Lea County is located in the southeastern corner of New Mexico and encompasses 4,390.93 square miles of land, or 3.62 percent of the total land area in New Mexico. The population of Lea County in 2015 was of 71,180 or 3.4 percent of the state total, ranking 8th in the state in terms of population. Between 2011 and 2015, the population of Lea County increased by 9.38 percent. The City of Hobbs, with a population of 38,232 in 2015, represented 51.7 percent of the total population of Lea County (U.S Census Bureau, 2017). During the period between 2011 and 2015, New Mexico's population increased by .33 percent and the United States' population increased by 3.11 percent.

Figure 1. Per Capita Personal Income: Lea County (2015)



Per capita personal income for Lea County in 2015 was \$34,998, ranking 19th in the state in terms of per capita income. Per capita personal income for Lea County was 92.3 percent of the corresponding state figure (\$37,938) and 72.7 percent of the national average (\$48,112), (See Figures 1 and 2). Between 2011 and 2015, the percentage growth in per capita income in Lea County was a decline of 1.91 percent, compared to the increasing state's percentage growth (9.24) as well as the nation's growth rate (13.33) for the same period.

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



Total employment in Lea County in 2015 was 40,286, with an increase of 11.48 percent from 2011 to 2015, compared to the increase of 2.88 percent for the state and an increase of 7.89 percent for the nation. In 2015, Lea County's employment to population ratio was 0.57, compared to the state (0.53) and the nation (0.59).

In 2015, 88.47 percent of all workers in Lea County were employed in the Private sector, while 9.7 percent were employed in Government and government enterprises, and 1.83 percent were employed in Farm employment. Within the Private sector, the industries with the highest percentage of

total employment included: Mining (24.80 percent), Retail trade (9.94), and Construction (8.03). From the public sector, Local government was the largest employer with 8.36 percent of total employment. Federal/civilian, Military, and State employment each accounted for less than 1.0 percent of total employment. Employment for Lea County by sector is displayed in Table 3.

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

Table 1 contains LQs for Lea County from 2011 to 2015 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Lea 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 the U.S. employment is considered as a basic industry. The sectors with an LQ greater than 1.0 have been shaded.

The pronounced importance of Mining within the private sector is represented by the highest LQ for Lea County of 31.35 in 2015. The mining sector has historically been an important economic sector for Lea County with LQs greater than 28.27 for all years considered. The mining industry in Lea County includes potash, oil, and natural gas extraction; mining is classified here as a basic economic activity for the county. Oil and gas production rankings shows the importance of the industry to the county where Lea County ranked 1st in oil production and 3rd in gas production in the state in 2016.

For 2015, all other industries in Lea County have relative low LQs compared to its LQ for mining. Farm employment, with an LQ of 1.32 is to be considered a basic industry for Lea County. LQs for farm employment in Lea County have exceeded 1.19 in all years considered. Transportation and warehousing (1.68) is also to be considered a basic industry for Lea County. Other industries with LQs above 1.0 include Utilities (2.82) and Construction (1.53). However, the later industries are considered as non-basic industries for Lea County.

Government and government enterprises is the aggregate figure of all government levels listed as government categories. For all years considered, the only government sector with an LQ greater than 1.0 was Local government. 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 Lea County is considered a non-basic industry.

In brief, the data and analysis suggest that in 2015, the following industries should be considered basic industries in Lea County:

1. Mining, accounted for 9,992 jobs.

2. Farm employment, accounted for 737 jobs.
3. Transportation and warehousing, accounted for 2,348 jobs.

It is common in economic base studies to calculate an export-base employment multiplier. This employment multiplier is obtained by dividing total employment by total employment in the basic sectors. In the case of Lea County, the multiplier is equal to 3.08 (40,286/ 13,077). This ratio suggests that the addition of each basic sector job in Lea County would be associated with additional 3.08 non-basic sector jobs. The export base multiplier (3.08) calculated above reinforces the importance of basic (exporting) industries to the economy of Lea 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 Lea 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 often includes appropriate combination of policies, which result from public and private sector interaction.

Changes from Prior Year

This document has been revised to reflect data figures obtained from the BEA for the economic data and the U.S. Census for population data. Between 2014 and 2015, the population of Lea increased by 1.79 percent, from 69,930 in 2014 to 71,180 in 2015. Total employment decreased from 2014 to 2015 by 3.44 percent or a loss of 1,439 jobs. Per capita income in Lea County increased from \$37,752 in 2014 to \$34,998 in 2015. Lea County retained its rank of 19th in the state in terms of per capita personal income from the prior year.

Tables 1 to 10 appear on pages 6-15

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

US Base	2011	2012	2013	2014	2015
By type					
Wage and salary employment	1.07	1.07	1.07	1.08	1.07
Proprietors employment	0.75	0.76	0.77	0.73	0.77
Farm proprietors employment	1.07	1.00	0.98	0.99	1.06
Nonfarm proprietors employment	0.73	0.75	0.76	0.72	0.76
By industry					
Farm employment	1.28	1.25	1.26	1.19	1.32
Nonfarm employment	1.00	1.00	1.00	1.00	1.00
Private nonfarm employment	1.04	1.04	1.04	1.04	1.03
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	29.69	28.27	28.94	31.01	31.35
Utilities	2.86	2.80	2.71	2.67	2.82
Construction	1.76	1.62	1.82	1.81	1.53
Manufacturing	0.42	0.43	0.41	0.38	0.37
Wholesale trade	0.88	0.91	0.86	0.81	0.76
Retail trade	0.96	0.91	0.90	0.92	0.99
Transportation and warehousing	1.52	1.66	1.61	1.66	1.68
Information	0.53	0.54	0.50	0.43	0.40
Finance and insurance	0.47	0.40	0.39	0.39	0.42
Real estate and rental and leasing	0.61	0.61	0.64	0.60	0.59
Professional, scientific, and technical services	0.38	0.38	0.37	0.36	0.34
Management of companies and enterprises	0.33	0.31	0.30	0.29	0.30
Administrative and waste management services	0.96	0.89	0.72	0.66	0.69
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	0.68	N/A	N/A	N/A	0.61
Arts, entertainment, and recreation	0.65	0.60	0.57	0.53	0.58
Accommodation and food services	0.91	0.87	0.88	0.88	0.96
Other services, except public administration	0.89	0.85	0.82	0.83	0.87
Government and government enterprises	0.75	0.71	0.71	0.71	0.76
Federal, civilian	0.16	0.14	0.14	0.14	0.14
Military	0.41	0.40	0.41	0.40	0.43
State and local	0.87	0.83	0.83	0.83	0.89
State government	0.25	0.24	0.23	0.23	0.25
Local government	1.10	1.05	1.05	1.05	1.13
Total employment	1.00	1.00	1.00	1.00	1.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 2: Location Quotients for Lea County (NM Base) 2011-2015

	2011	2012	2013	2014	2015
NM Based					
By type					
Wage and salary employment	1.06	1.06	1.05	1.06	1.06
Proprietors employment	0.78	0.78	0.80	0.77	0.80
Farm proprietors employment	0.58	0.51	0.50	0.50	0.52
Nonfarm proprietors employment	0.80	0.81	0.83	0.79	0.83
By industry					
Farm employment	0.75	0.69	0.68	0.65	0.70
Nonfarm employment	1.01	1.01	1.01	1.01	1.01
Private nonfarm employment	1.13	1.14	1.14	1.14	1.13
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	7.87	7.64	7.44	7.52	7.57
Utilities	2.19	2.11	1.98	1.96	2.09
Construction	1.57	1.49	1.67	1.69	1.45
Manufacturing	0.88	0.90	0.87	0.83	0.83
Wholesale trade	1.24	1.28	1.20	1.12	1.05
Retail trade	0.93	0.88	0.87	0.88	0.94
Transportation and warehousing	2.15	2.29	2.24	2.35	2.42
Information	0.63	0.63	0.60	0.53	0.49
Finance and insurance	0.78	0.66	0.65	0.63	0.67
Real estate and rental and leasing	0.74	0.75	0.78	0.75	0.73
Professional, scientific, and technical services	0.36	0.36	0.36	0.35	0.34
Management of companies and enterprises	0.75	0.75	0.73	0.70	0.72
Administrative and waste management services	1.15	1.10	0.89	0.83	0.88
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	0.65	N/A	N/A	N/A	0.58
Arts, entertainment, and recreation	0.66	0.61	0.57	0.53	0.58
Accommodation and food services	0.82	0.79	0.80	0.79	0.86
Other services, except public administration	0.99	0.97	0.94	0.95	0.99
Government and government enterprises	0.51	0.48	0.48	0.48	0.51
Federal, civilian	0.08	0.08	0.08	0.08	0.08
Military	0.29	0.27	0.27	0.26	0.29
State and local	0.62	0.59	0.58	0.57	0.61
State government	0.14	0.13	0.13	0.12	0.13
Local government	0.89	0.84	0.83	0.83	0.88
Total employment	1.0	1.0	1.0	1.0	1.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 3: Lea County Total Employment by Industry 2015		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	33,357	82.80
Proprietors employment	6,929	17.20
Farm proprietors employment	409	1.02
Nonfarm proprietors employment	6,520	16.18
By industry		
Farm employment	737	1.83
Nonfarm employment	39,549	98.17
Private nonfarm employment	35,642	88.47
Forestry, fishing, and related activities	(D)	N/A
Mining	9,992	24.80
Utilities	352	0.87
Construction	3,233	8.03
Manufacturing	1,035	2.57
Wholesale trade	1,098	2.73
Retail trade	4,004	9.94
Transportation and warehousing	2,348	5.83
Information	286	0.71
Finance and insurance	853	2.12
Real estate and rental and leasing	1,089	2.70
Professional, scientific, and technical services	955	2.37
Management of companies and enterprises	154	0.38
Administrative and waste management services	1,760	4.37
Educational services	(D)	N/A
Health care and social assistance	2,741	6.80
Arts, entertainment, and recreation	529	1.31
Accommodation and food services	2,852	7.08
Other services, except public administration	2,027	5.03
Government and government enterprises	3,907	9.70
Federal, civilian	86	0.21
Military	180	0.45
State and local	3,641	9.04
State government	275	0.68
Local government	3,366	8.36
Total employment	40,286	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 4: Lea County Employment by Industry 2011-2015					
Number of jobs by industry	2011	2012	2013	2014	2015
By type					
Wage and salary employment	30112	31959	33309	34958	33357
Proprietors employment	6025	6410	6813	6767	6929
Farm proprietors employment	410	395	399	408	409
Nonfarm proprietors employment 2/	5615	6015	6414	6359	6520
By industry					
Farm employment	693	700	736	706	737
Nonfarm employment	35444	37669	39386	41019	39549
Private nonfarm employment	31727	33991	35622	37183	35642
Forestry, fishing, and related activities	(D)	(D)	(D)	(D)	(D)
Mining	7572	9396	10222	11076	9992
Utilities	338	347	345	347	352
Construction	3162	3112	3694	3890	3233
Manufacturing	1072	1160	1156	1089	1035
Wholesale trade	1114	1216	1198	1189	1098
Retail trade	3531	3542	3639	3858	4004
Transportation and warehousing	1775	2090	2130	2338	2348
Information	353	370	362	322	286
Finance and insurance	940	831	840	837	853
Real estate and rental and leasing	992	1025	1127	1134	1089
Professional, scientific, and technical services	944	982	1011	1027	955
Management of companies and enterprises	140	146	150	152	154
Administrative and waste management services	2127	2111	1805	1735	1760
Educational services	(D)	(D)	(D)	(D)	(D)
Health care and social assistance	2698	(D)	(D)	(D)	2741
Arts, entertainment, and recreation	515	516	504	495	529
Accommodation and food services	2295	2370	2549	2676	2852
Other services, except public administration	1858	1900	1895	2025	2027
Government and government enterprises	3717	3678	3764	3836	3907
Federal, civilian	94	88	88	86	86
Military	176	178	183	175	180
State and local	3447	3412	3493	3575	3641
State government	274	272	271	276	275
Local government	3173	3140	3222	3299	3366
Total employment	36,137	38,369	40,122	41,725	40,286

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N

Table 5: New Mexico Employment by Industry 2011-2015

Number of jobs by industry	2011	2012	2013	2014	2015
By type					
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 2/	207,295	206,532	207,424	208,094	214,900
By industry					
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
Total employment	1,065,291	1,067,757	1,075,867	1,082,277	1,095,949

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N

Table 6: United States Employment by Industry 2011-2015

Number of jobs by industry	2011	2012	2013	2014	2015
By type					
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 2/	37,297,700	37,516,700	38,537,100	39,515,100	40,736,400
By industry					
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
Total employment	176,278,700	179,081,700	182,408,100	186,168,100	190,195,400

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N

Table 7: Lea County, New Mexico and United States Percent of Employment by Industry 2015			
	United States	New Mexico	Lea County
By type			
Wage and salary employment	77.62	78.45	82.80
Proprietors employment	22.38	21.55	17.20
Farm proprietors employment	0.96	1.94	1.02
Nonfarm proprietors employment	21.42	19.61	16.18
By industry			
Farm employment	1.39	2.63	1.83
Nonfarm employment	98.61	97.37	98.17
Private nonfarm employment	85.92	78.34	88.47
Forestry, fishing, and related activities	0.51	0.54	N/A
Mining	0.79	3.28	24.80
Utilities	0.31	0.42	0.87
Construction	5.23	5.53	8.03
Manufacturing	6.88	3.11	2.57
Wholesale trade	3.57	2.61	2.73
Retail trade	10.07	10.56	9.94
Transportation and warehousing	3.47	2.41	5.83
Information	1.78	1.46	0.71
Finance and insurance	5.07	3.16	2.12
Real estate and rental and leasing	4.59	3.69	2.70
Professional, scientific, and technical services	6.96	7.08	2.37
Management of companies and enterprises	1.28	0.53	0.38
Administrative and waste management services	6.32	4.94	4.37
Educational services	2.45	1.60	N/A
Health care and social assistance	11.20	11.83	6.80
Arts, entertainment, and recreation	2.26	2.27	1.31
Accommodation and food services	7.38	8.27	7.08
Other services, except public administration	5.80	5.07	5.03
Government and government enterprises	12.69	19.03	9.70
Federal, civilian	1.48	2.66	0.21
Military	1.03	1.54	0.45
State and local	10.19	14.82	9.04
State government	2.79	5.38	0.68
Local government	7.40	9.45	8.36
Total employment	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

Table 8: Lea County Percent of Employment by Sectors 2011-2015					
Description	2011	2012	2013	2014	2015
By type					
Wage and salary employment	83.33	83.29	83.02	83.78	82.80
Proprietors employment	16.67	16.71	16.98	16.22	17.20
Farm proprietors employment	1.13	1.03	0.99	0.98	1.02
Nonfarm proprietors employment	15.54	15.68	15.99	15.24	16.18
By industry					
Farm employment	1.92	1.82	1.83	1.69	1.83
Nonfarm employment	98.08	98.18	98.17	98.31	98.17
Private nonfarm employment	87.80	88.59	88.78	89.11	88.47
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	20.95	24.49	25.48	26.55	24.80
Utilities	0.94	0.90	0.86	0.83	0.87
Construction	8.75	8.11	9.21	9.32	8.03
Manufacturing	2.97	3.02	2.88	2.61	2.57
Wholesale trade	3.08	3.17	2.99	2.85	2.73
Retail trade	9.77	9.23	9.07	9.25	9.94
Transportation and warehousing	4.91	5.45	5.31	5.60	5.83
Information	0.98	0.96	0.90	0.77	0.71
Finance and insurance	2.60	2.17	2.09	2.01	2.12
Real estate and rental and leasing	2.75	2.67	2.81	2.72	2.70
Professional, scientific, and technical services	2.61	2.56	2.52	2.46	2.37
Management of companies and enterprises	0.39	0.38	0.37	0.36	0.38
Administrative and waste management services	5.89	5.50	4.50	4.16	4.37
Educational services	N/A	N/A	N/A	N/A	N/A
Health care and social assistance	7.47	N/A	N/A	N/A	6.80
Arts, entertainment, and recreation	1.43	1.34	1.26	1.19	1.31
Accommodation and food services	6.35	6.18	6.35	6.41	7.08
Other services, except public administration	5.14	4.95	4.72	4.85	5.03
Government and government enterprises	10.29	9.59	9.38	9.19	9.70
Federal, civilian	0.26	0.23	0.22	0.21	0.21
Military	0.49	0.46	0.46	0.42	0.45
State and local	9.54	8.89	8.71	8.57	9.04
State government	0.76	0.71	0.68	0.66	0.68
Local government	8.78	8.18	8.03	7.91	8.36
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation

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

Description	2011	2012	2013	2014	2015
By type					
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
By industry					
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
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculations

Table 10: United States Percent of Employment by Industry 2011 - 2015					
Description	2011	2012	2013	2014	2015
By type					
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
By industry					
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
Total employment	100.00	100.00	100.00	100.00	100.00

Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation