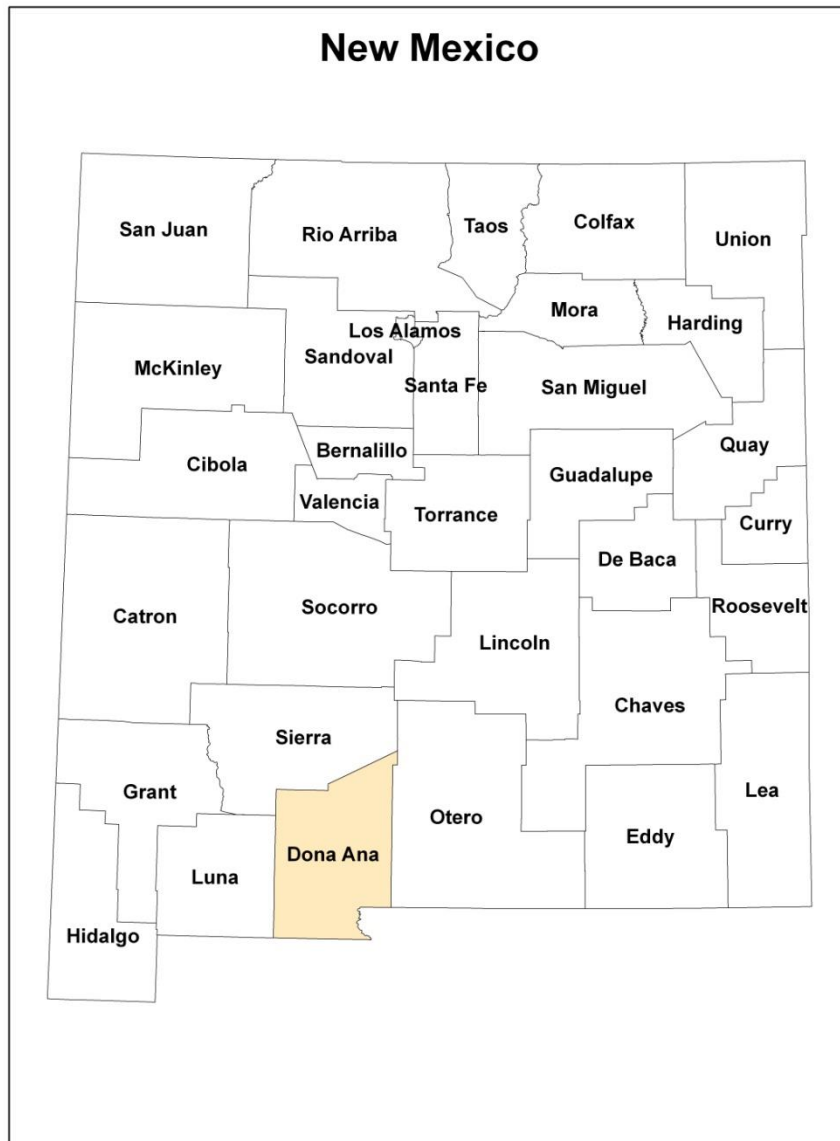




The Economic Base of Doña Ana County, NM

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

DATE: July 2017



The Economic Base of Doña Ana 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. 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. 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:

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

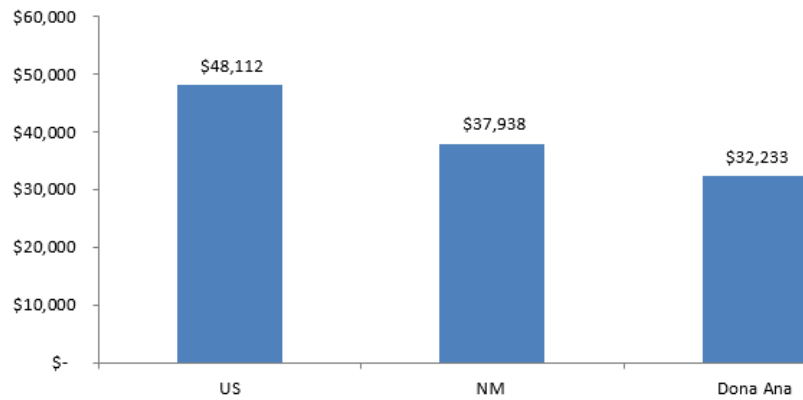
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national 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 Doña Ana 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 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 are available and the four years preceding (2011-2015). 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.

Doña Ana County, New Mexico

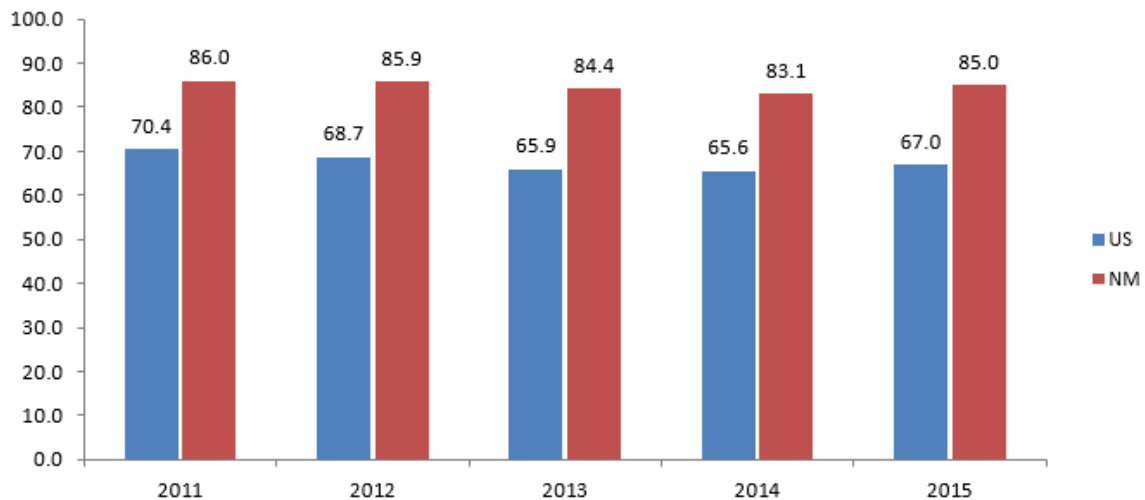
Doña Ana County is located in south central New Mexico and encompasses 3,807.51 square, or 3.14 percent of the land area in the state of New Mexico. The population of Doña Ana County in 2015 was 214,295, or 10.27 percent of the state total and the second largest county in New Mexico in terms of population. Only Bernalillo County with a population of 676,685 in 2015 was larger than Doña Ana County in terms of population. The City of Las Cruces, with a population of 101,435 in Doña Ana County contained 47.3 percent of Doña Ana County's population in 2015 (US Census Bureau, 2017). Doña Ana County's population increased from 212,982 in 2011 to 214,295 in 2015 or by .62 percent increase over the past five years. Comparatively, for the same period, New Mexico's population increased by .33 percent and the United States' population increased by 3.11 percent.

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



Per capita personal income in Doña Ana County in 2015 was \$32,233. In terms of per capita income, Doña Ana County ranked 27th in the state. Per capita personal income for Doña Ana County in 2015 (\$32,233) was 84.9 percent of the state of New Mexico average (\$37,938), and 66.9 percent of the national average (\$48,112) (See Figure 1 and 2). The growth rate of per capita income in Doña Ana County between 2011 and 2015 of 7.92 percent was lower than the growth in per capita income for New Mexico (9.24 percent) and the United States (13.33 percent) during the same period.

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



Between 2011 and 2015, total employment in Doña Ana County increased by 2.93 percent, compared to the state, which saw an increase in employment of 2.88 percent and the nation which increased by 7.89 percent. The Doña Ana County employment to population ratio in 2015 was 0.47, while the state ratio was 0.53 and the national ratio was 0.59.

For year 2015, 75.72 percent of all workers in Doña Ana County were employed in the private sector. Government and government enterprises accounted for 20.93 percent and Farm employment accounted for 3.35 percent of the total employment. The private sector industries with the highest

percentage of total employment included: Health care and Social assistance (15.72 percent), Retail trade (9.59), Construction (6.09) and Accommodation and Food services (7.83). State and local government were the largest employers in the public sector with 8.17 percent employed in state government and 8.71 percent of total employment in local government. Federal/civilian and Military employment accounted for 3.5 percent and 0.56 percent of the total, respectively. Doña Ana County employment by sector for 2015 is displayed in Table 3.

Basic and Non-Basic Sectors in Doña Ana County, New Mexico

Table 1 contains LQs for Doña Ana County from 2011 to 2015 calculated using data for the United States as the basis of comparison; Table 2 contains LQs for Doña Ana County from 2011 to 2015 calculated with respect to the state of New Mexico. For the purposes of this report, a LQ greater than 1.0 with respect to U.S. employment is considered as a basic industry. The sectors with an LQ greater than 1.0 have been shaded.

The importance of government employment to the economic base of Doña Ana County is shown in Table 1. The entry labeled Government and government enterprises is the aggregate figure of all government levels listed as government categories. With the exception of Military, government sectors have LQs greater than one. Federal, civilian employment, with a LQ of 2.37, is classified as a basic industry for Doña Ana County. The large LQ for State government employment (2.93) in Doña Ana County reflects a high level of employment at NMSU, with the main campus located in Las Cruces, NM. As a large comprehensive research university, NMSU exports both educational services and research. For this reason, State government employment is classified as a basic industry in Doña Ana County. Local government is generally categorized as non-basic given that local governments collect taxes from residents to provide for the services to the community, including employment. Following this practice, local government for Doña Ana County will be considered a non-basic industry even though it had a LQ of 1.18 in 2015.

The Agricultural sector is defined here to include: Farm employment and employment in Forestry, fisheries and related activities sectors. These components of Agriculture qualify as basic industries for Doña Ana County. In 2015, Farm employment had a LQ of 2.41. While this sector has had LQs greater than 2.17 in all years considered as well as showed an increase in 2015. The Forestry, fisheries and related activities sector had a LQ of 3.06 in 2015 and its LQs were greater than 2.33 in all years considered.

Health care and Social assistance had an LQ of 1.4 in 2015, with all five previous years above 1.32. The large LQ for Health care and Social assistance in Dona Ana County reflects the employment base of Doña Ana's three medical centers: Memorial Medical Center, Inc., Mesilla Valley Hospital, Mountain View Regional Medical Center, and the UNM Cancer Center - all located in Las Cruces. Typically, the Health care and Social assistance sector is categorized as a non-basic industry. However, given the unique serving population for these hospitals and their importance in serving several neighboring counties, this sector has been included as part of the economic base for the county. Furthermore, Construction had an LQ of 1.16 and Accommodation and Food services had an LQ of 1.06 in 2015. In this report, Health care and Social assistance, Construction and Accommodation and Food services are considered basic industries for Doña Ana County.

The LQ for Arts, entertainment, and recreation had been on the borderline as a basic industry for Doña Ana County since 2011, when the LQ dropped below 1.0 and will not be considered as a basic industry for this analysis. The Utilities sector for Dona Ana County had a LQ 1.39 in 2015; in this report it is not counted as a basic industry given that it does not bring outside resources into the county.

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

1. The Agricultural sector, which includes Farm employment (3,353) and Forest, fishing and related activities (1,551), accounted for 4,904 jobs.
2. Federal/civilian and state government employment, including 3,507 federal/civilian jobs and 8,185 state government jobs, accounted for a total of 11,692 jobs.
3. Health care and social assistance, accounted for 15,757 jobs.
4. Construction, accounted for 6,106 jobs.
5. Accommodation and food services, accounted for 7,848 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 Doña Ana County, the multiplier for 2015 is equal to 2.16 (100,215/ 46,307). This ratio suggests that the addition of one basic sector job in Doña Ana County would be associated with an additional 2.16 non-basic sector jobs. The export base multiplier (2.16) calculated above reinforces the importance of basic (exporting) industries to the economy of Doña Ana 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 Doña Ana 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 economic data and the U.S. Census Bureau for population data. The following are significant changes for Doña Ana County from the prior year.

Between 2014 and 2015, the population of Doña Ana County decreased by .02 percent. The City of Las Cruces decreased in population by 0.05 percent between 2014 and 2015. Per capita personal income in Doña Ana County in 2015 was \$32,233, a 5.85 percent increase from \$30,453 in 2014.

Tables 1 to 10 appear on pages 7-16

Table 1: Location Quotients for Dona Ana County (US Base) 2011-2015					
US Base	2011	2012	2013	2014	2015
By type					
Wage and salary employment	0.99	0.99	0.99	1.00	1.00
Proprietors employment	1.05	1.03	1.02	1.00	1.02
Farm proprietors employment	1.76	1.90	1.89	1.91	1.95
Nonfarm proprietors employment	1.01	0.99	0.98	0.96	0.97
By industry					
Farm employment	2.17	2.30	2.39	2.28	2.41
Nonfarm employment	0.98	0.98	0.98	0.98	0.98
Private nonfarm employment	0.88	0.88	0.88	0.88	0.88
Forestry, fishing, and related activities	2.42	2.33	2.49	3.02	3.06
Mining	0.39	0.37	0.40	0.33	0.35
Utilities	1.22	1.32	1.31	1.33	1.39
Construction	1.26	1.21	1.19	1.17	1.16
Manufacturing	0.51	0.49	0.46	0.43	0.40
Wholesale trade	0.44	0.44	0.48	0.47	0.50
Retail trade	0.94	0.95	0.96	0.96	0.95
Transportation and warehousing	0.83	0.84	0.79	0.75	0.76
Information	0.63	0.66	0.65	0.65	0.62
Finance and insurance	0.52	0.55	0.56	0.58	0.58
Real estate and rental and leasing	0.82	0.81	0.81	0.81	0.82
Professional, scientific, and technical services	0.80	0.81	0.87	0.83	0.84
Management of companies and enterprises	0.12	0.08	0.05	0.07	0.08
Administrative and waste management services	0.85	0.84	0.85	0.88	0.80
Educational services	0.49	0.51	0.51	0.50	0.52
Health care and social assistance	1.35	1.36	1.32	1.36	1.40
Arts, entertainment, and recreation	1.00	0.95	0.93	0.89	0.90
Accommodation and food services	1.02	1.03	1.07	1.06	1.06
Other services, except public administration	0.89	0.87	0.87	0.87	0.85
Government and government enterprises	1.62	1.63	1.62	1.65	1.65
Federal, civilian	2.52	2.49	2.45	2.44	2.37
Military	0.52	0.53	0.54	0.53	0.54
State and local	1.60	1.62	1.61	1.65	1.66
State government	2.91	2.87	2.85	2.92	2.93
Local government	1.11	1.14	1.15	1.17	1.18
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 Dona Ana County (NM Base) 2011-2015					
	2011	2012	2013	2014	2015
NM Based					
By type					
Wage and salary employment	0.98	0.98	0.98	0.99	0.98
Proprietors employment	1.09	1.06	1.06	1.05	1.05
Farm proprietors employment	0.97	0.97	0.96	0.96	0.96
Nonfarm proprietors employment	1.10	1.07	1.07	1.06	1.06
By industry					
Farm employment	1.27	1.27	1.28	1.25	1.27
Nonfarm employment	0.99	0.99	0.99	0.99	0.99
Private nonfarm employment	0.96	0.96	0.97	0.97	0.97
Forestry, fishing, and related activities	2.40	2.40	2.55	2.92	2.88
Mining	0.10	0.10	0.10	0.08	0.08
Utilities	0.93	1.00	0.96	0.98	1.03
Construction	1.12	1.11	1.10	1.09	1.10
Manufacturing	1.07	1.02	0.99	0.95	0.88
Wholesale trade	0.61	0.62	0.68	0.65	0.68
Retail trade	0.91	0.92	0.92	0.92	0.91
Transportation and warehousing	1.17	1.16	1.10	1.06	1.10
Information	0.74	0.77	0.78	0.80	0.75
Finance and insurance	0.87	0.91	0.93	0.93	0.93
Real estate and rental and leasing	0.99	0.99	0.99	1.01	1.02
Professional, scientific, and technical services	0.74	0.77	0.85	0.81	0.83
Management of companies and enterprises	0.27	0.18	0.13	0.17	0.18
Administrative and waste management services	1.00	1.03	1.04	1.10	1.02
Educational services	0.76	0.80	0.79	0.78	0.80
Health care and social assistance	1.30	1.32	1.29	1.32	1.33
Arts, entertainment, and recreation	1.01	0.95	0.94	0.90	0.90
Accommodation and food services	0.93	0.94	0.96	0.95	0.95
Other services, except public administration	1.00	0.98	0.99	0.99	0.97
Government and government enterprises	1.11	1.10	1.09	1.10	1.10
Federal, civilian	1.36	1.35	1.34	1.34	1.31
Military	0.36	0.36	0.35	0.34	0.36
State and local	1.15	1.14	1.13	1.14	1.14
State government	1.59	1.56	1.53	1.53	1.52
Local government	0.90	0.91	0.91	0.92	0.92
Total employment	1.0	1.0	1.0	1.0	1.0

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

Table 3: Dona Ana County, Total Employment by Industry 2015		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	77,429	77.26
Proprietors employment	22,786	22.74
Farm proprietors employment	1,876	1.87
Nonfarm proprietors employment	20,910	20.87
By industry		0.00
Farm employment	3,353	3.35
Nonfarm employment	96,862	96.65
Private nonfarm employment	75,886	75.72
Forestry, fishing, and related activities	1,551	1.55
Mining	278	0.28
Utilities	430	0.43
Construction	6,106	6.09
Manufacturing	2,751	2.75
Wholesale trade	1,775	1.77
Retail trade	9,612	9.59
Transportation and warehousing	2,657	2.65
Information	1,101	1.10
Finance and insurance	2,943	2.94
Real estate and rental and leasing	3,760	3.75
Professional, scientific, and technical services	5,882	5.87
Management of companies and enterprises	97	0.10
Administrative and waste management services	5,075	5.06
Educational services	1,278	1.28
Health care and social assistance	15,757	15.72
Arts, entertainment, and recreation	2,040	2.04
Accommodation and food services	7,848	7.83
Other services, except public administration	4,945	4.93
Government and government enterprises	20,976	20.93
Federal, civilian	3,507	3.50
Military	559	0.56
State and local	16,910	16.87
State government	8,185	8.17
Local government	8,725	8.71
Total employment	100,215	100.00

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

Table 4: Dona Ana County Employment by Industry 2011-2015					
Number of jobs by industry	2011	2012	2013	2014	2015
By type					
Wage and salary employment	74712	75125	76607	77088	77429
Proprietors employment	22648	22028	22387	22142	22786
Farm proprietors employment	1827	1901	1908	1875	1876
Nonfarm proprietors employment 2/	20821	20127	20479	20267	20910
By industry					
Farm employment	3166	3274	3429	3221	3353
Nonfarm employment	94194	93879	95565	96009	96862
Private nonfarm employment	72455	72596	74394	74853	75886
Forestry, fishing, and related activities	1150	1120	1231	1519	1551
Mining	266	308	346	277	278
Utilities	387	415	411	411	430
Construction	6091	5857	5996	5956	6106
Manufacturing	3512	3317	3218	2957	2751
Wholesale trade	1488	1502	1664	1647	1775
Retail trade	9273	9363	9530	9626	9612
Transportation and warehousing	2594	2686	2579	2516	2657
Information	1122	1156	1159	1148	1101
Finance and insurance	2824	2896	2972	2957	2943
Real estate and rental and leasing	3608	3465	3522	3619	3760
Professional, scientific, and technical serv	5272	5359	5945	5685	5882
Management of companies and enterprise	133	89	67	90	97
Administrative and waste management ser	5025	5010	5221	5507	5075
Educational services	1125	1171	1199	1193	1278
Health care and social assistance	14428	14839	14744	15075	15757
Arts, entertainment, and recreation	2131	2058	2046	1979	2040
Accommodation and food services	6983	7097	7591	7661	7848
Other services, except public administrati	5043	4888	4953	5030	4945
Government and government enterprises	21739	21283	21171	21156	20976
Federal, civilian	4062	3881	3756	3633	3507
Military	595	594	592	553	559
State and local	17082	16808	16823	16970	16910
State government	8452	8174	8130	8227	8185
Local government	8630	8634	8693	8743	8725
Total employment	97360	97153	98994	99230	100215

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: Dona Ana County, New Mexico and United States Percent of Employment by Industry 2015			
	United States	New Mexico	Dona Ana County
By type			
Wage and salary employment	77.62	78.45	77.26
Proprietors employment	22.38	21.55	22.74
Farm proprietors employment	0.96	1.94	1.87
Nonfarm proprietors employment	21.42	19.61	20.87
By industry			
Farm employment	1.39	2.63	3.35
Nonfarm employment	98.61	97.37	96.65
Private nonfarm employment	85.92	78.34	75.72
Forestry, fishing, and related activities	0.51	0.54	1.55
Mining	0.79	3.28	0.28
Utilities	0.31	0.42	0.43
Construction	5.23	5.53	6.09
Manufacturing	6.88	3.11	2.75
Wholesale trade	3.57	2.61	1.77
Retail trade	10.07	10.56	9.59
Transportation and warehousing	3.47	2.41	2.65
Information	1.78	1.46	1.10
Finance and insurance	5.07	3.16	2.94
Real estate and rental and leasing	4.59	3.69	3.75
Professional, scientific, and technical services	6.96	7.08	5.87
Management of companies and enterprises	1.28	0.53	0.10
Administrative and waste management services	6.32	4.94	5.06
Educational services	2.45	1.60	1.28
Health care and social assistance	11.20	11.83	15.72
Arts, entertainment, and recreation	2.26	2.27	2.04
Accommodation and food services	7.38	8.27	7.83
Other services, except public administration	5.80	5.07	4.93
Government and government enterprises	12.69	19.03	20.93
Federal, civilian	1.48	2.66	3.50
Military	1.03	1.54	0.56
State and local	10.19	14.82	16.87
State government	2.79	5.38	8.17
Local government	7.40	9.45	8.71
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: Dona Ana County Percent of Employment by Sectors 2011-2015					
Description	2011	2012	2013	2014	2015
By type					
Wage and salary employment	76.74	77.33	77.39	77.69	77.26
Proprietors employment	23.26	22.67	22.61	22.31	22.74
Farm proprietors employment	1.88	1.96	1.93	1.89	1.87
Nonfarm proprietors employment	21.39	20.72	20.69	20.42	20.87
By industry					
Farm employment	3.25	3.37	3.46	3.25	3.35
Nonfarm employment	96.75	96.63	96.54	96.75	96.65
Private nonfarm employment	74.42	74.72	75.15	75.43	75.72
Forestry, fishing, and related activities	1.18	1.15	1.24	1.53	1.55
Mining	0.27	0.32	0.35	0.28	0.28
Utilities	0.40	0.43	0.42	0.41	0.43
Construction	6.26	6.03	6.06	6.00	6.09
Manufacturing	3.61	3.41	3.25	2.98	2.75
Wholesale trade	1.53	1.55	1.68	1.66	1.77
Retail trade	9.52	9.64	9.63	9.70	9.59
Transportation and warehousing	2.66	2.76	2.61	2.54	2.65
Information	1.15	1.19	1.17	1.16	1.10
Finance and insurance	2.90	2.98	3.00	2.98	2.94
Real estate and rental and leasing	3.71	3.57	3.56	3.65	3.75
Professional, scientific, and technical services	5.41	5.52	6.01	5.73	5.87
Management of companies and enterprises	0.14	0.09	0.07	0.09	0.10
Administrative and waste management services	5.16	5.16	5.27	5.55	5.06
Educational services	1.16	1.21	1.21	1.20	1.28
Health care and social assistance	14.82	15.27	14.89	15.19	15.72
Arts, entertainment, and recreation	2.19	2.12	2.07	1.99	2.04
Accommodation and food services	7.17	7.30	7.67	7.72	7.83
Other services, except public administration	5.18	5.03	5.00	5.07	4.93
Government and government enterprises	22.33	21.91	21.39	21.32	20.93
Federal, civilian	4.17	3.99	3.79	3.66	3.50
Military	0.61	0.61	0.60	0.56	0.56
State and local	17.55	17.30	16.99	17.10	16.87
State government	8.68	8.41	8.21	8.29	8.17
Local government	8.86	8.89	8.78	8.81	8.71
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