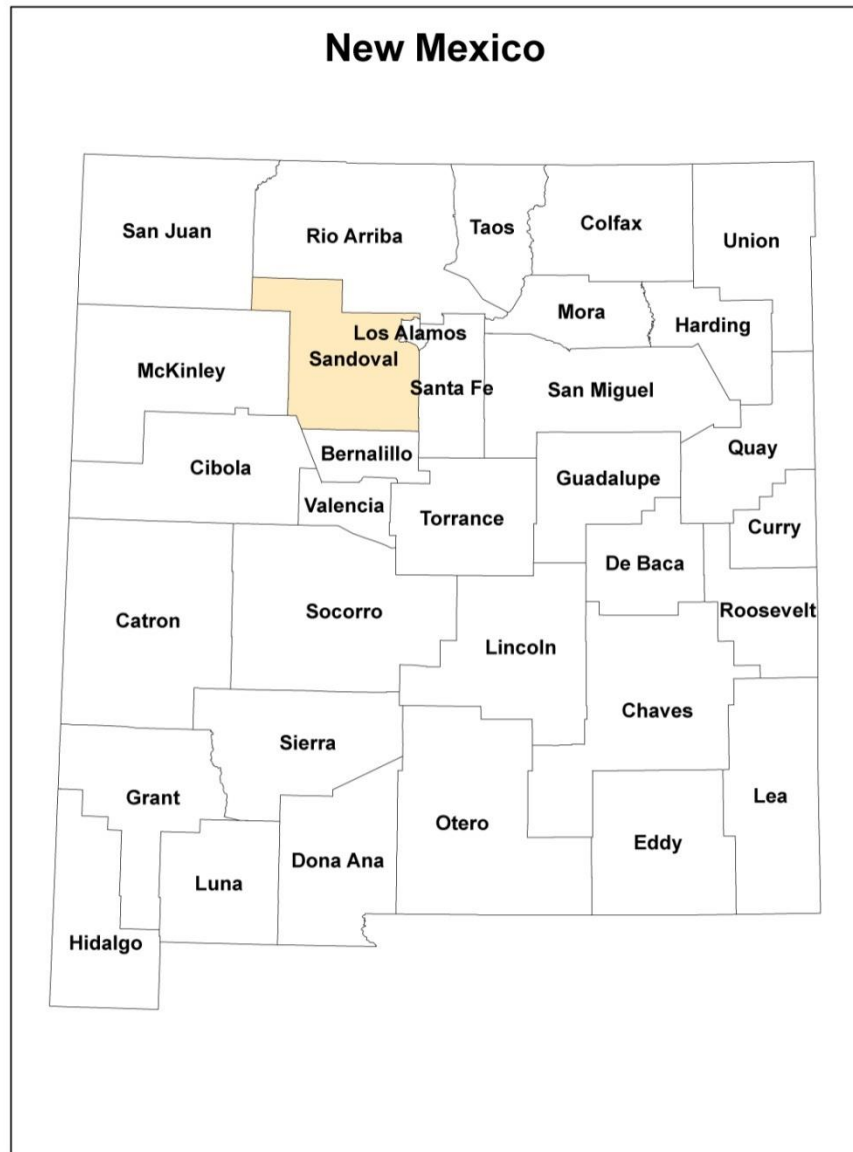




The Economic Base of Sandoval County, NM

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

DATE: July 2017



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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 local economic activity. Economic base studies are often conducted to help guide local economic development activities and to help economic development officials make decisions such as what type of firms they should attempt to attract to local areas. Economic base studies can also help local and regional businesses better understand local and export product markets.

The specific purposes of economic base studies include:

- Understand regional economic growth
- Make short and long term forecasts
- Identify potential growth sectors
- Identify potential problem areas

According to economic base theory, any local economy may be divided into basic and non-basic industries. This theory also suggests that economic growth depends on sectors that export goods and services out of the region (basic industries), as opposed to those businesses whose services remain local, (non-basic industries). Basic industries promote local economic growth by bringing jobs and income into the local economy. Non-basic industries serve local residents and provide support to basic industries.

An industry classified as basic in one region may be identified as non-basic in another region. One common means of identifying local basic activity is through the use of location quotients (LQs). LQs are calculated as a single industry's percent of total local employment divided by that industry's percent

of total state or national employment. For example, a LQ for a single New Mexico industry (industry j) may be calculated as follows:

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

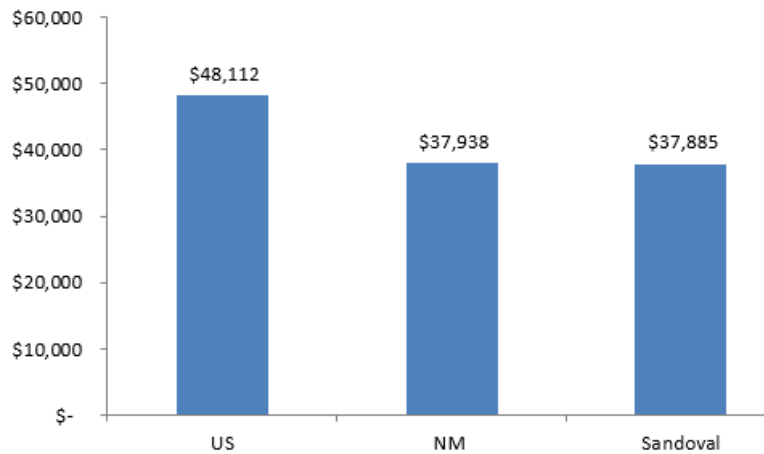
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national level. Conversely, a 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 Sandoval County with national employment as basis for comparison (see Table 1). Additionally, LQs using employment for the state of New Mexico as benchmark are included (see Table 2). In this report, basic industries are identified using general knowledge about the structure of the local economy combined with LQs greater than 1.0. LQs are described for the most recent year for which data were available and for the four preceding years (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.

Sandoval County, New Mexico

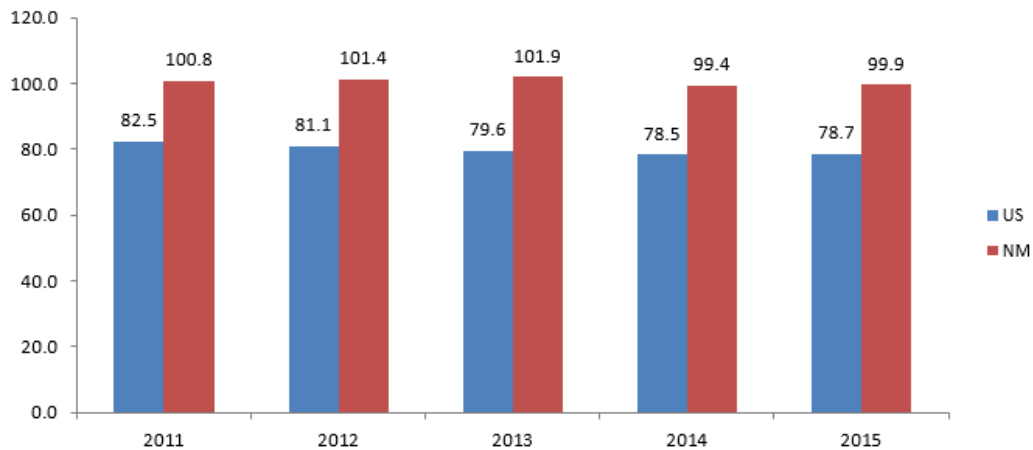
Sandoval County is located in northern central New Mexico and contains 3,710.65 square miles, or 3.06 percent of the land area in New Mexico. The population for Sandoval County in 2015 was 139,394, ranking as the 4th largest county in the state of New Mexico with 6.68 percent of the total population of the state. In 2015, the City of Rio Rancho is the most populated city in Sandoval County with a population 93,930, containing 67.38 percent of the population in the county. Between 2011 and 2015, Sandoval County's population increased by 3.86 percent. During the same period, New Mexico's population increased .33 percent and the nation's population increased by 3.11 percent.

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



In 2015, per capita personal income in Sandoval County was \$37,885 ranking 10th in the state (See Figure 1). Per capita income for Sandoval County was 99.9 percent of the corresponding state figure of \$37,938 and 78.7 percent of the national average of \$48,112 in 2015 (See Figure 2). The 8.18 percent growth for per capita income in Sandoval County between 2011 and 2015 was just below that of the state's percent growth of 9.24 percent and nation's per capita income percent growth of 13.33 percent. Per capita income growth rate for Sandoval County has been positive in the years considered, except for a decline of 1.4 percent in from 2012 to 2013.

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



In 2015, total employment in Sandoval County was 46,102. Between 2011 and 2015, total employment in Sandoval County increased by 2.09 percent, compared to the increase of 2.88 percent for the state and 7.89 percent increase for the nation. The Sandoval County employment to population ratio in 2015 was 0.33. This is a relatively lower rate compared to the rate for the state of 0.53 and nation with 0.59.

In 2015, 80.38 percent of all employment in Sandoval County was in the Private sector, while Government and government enterprises accounted for 17.55 percent and Farm employment accounted for 2.07 percent of the total. In the private sector, industries with the highest percentages included: Manufacturing (8.08 percent), Retail trade (10.66), Accommodations and food services (7.66) and Administrative and waste management services (8.92).

For the public sector, Government and government enterprises entry is the aggregate figure of all government levels listed as government categories. Local government was the largest employer in the public sector with a 15.37 percent of total employment. Federal / civilian, military and state government employment represented small shares compared to local government; 0.80, 0.79, and 0.60 percent respectively. Sandoval County employment by sector is displayed in Table 3.

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

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

Within the private sector, the Manufacturing sector has an LQ of 1.17 and have remained over 1.17 for all the years considered. These figures are a representation of Intel Corporation production located in Rio Rancho. This is a large technological manufacturing and innovation facility. The Manufacturing sector is considered a basic industry in Sandoval County for 2015. The Information industry is considered a basic industry in Sandoval County, given that it had a LQ of 1.08 in 2015, also directly linked to the employment base of Intel Corporation.

With a LQ of 1.45 in 2015 and LQs higher than 1.45 in all years considered, the Arts, entertainment, and recreation industry is also considered a basic industry in Sandoval County. Retail trade industry had an LQ of 1.06 for 2015, and is considered a basic industry in 2015 as well. Other sectors with LQs above 1.0 included: Construction (1.08), Accommodation and food services (1.04), Real estate and rental and leasing (1.0), and Farm employment (1.49). Nevertheless, these industries in Sandoval County are probably best viewed as non-basic or support industries. Local government also had a LQ of 2.08 in 2015. 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 Sandoval County will be considered a non-basic industry.

The data for 2015 suggest that in Sandoval County the following industries are to be considered basic:

1. Manufacturing accounted for 3,723 jobs.
2. Information accounted for 881 jobs.
3. Arts, entertainment, and recreation accounted for 1,507 jobs.
4. Retail trade accounted for 4,915 total 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 Sandoval County, the multiplier is equal to 4.18 (46,102/ 11,026). This ratio suggests that any additional basic sector job in Sandoval County would be associated with additional 4.18 non-basic sector jobs. The export base multiplier (4.18) calculated above reinforces the importance of basic (exporting) industries to the economy of Sandoval 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.

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 for population data. Between 2014 and 2015, Sandoval County's population increased by 1.26 percent from a population of 137,654 to 139,394. Sandoval County saw a 3.9 percent increase in per capita income between 2014 and 2015 from \$36,447 to \$37,885, respectively.

Tables 1 to 10 appear on pages 6-15

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

US Base	2011	2012	2013	2014	2015
By type					
Wage and salary employment	0.89	0.90	0.90	0.89	0.89
Proprietors employment	1.37	1.36	1.36	1.37	1.38
Farm proprietors employment	1.68	1.85	1.86	1.90	1.93
Nonfarm proprietors employment	1.35	1.34	1.33	1.34	1.35
By industry					
Farm employment	1.32	1.44	1.46	1.47	1.49
Nonfarm employment	1.00	0.99	0.99	0.99	0.99
Private nonfarm employment	0.95	0.94	0.95	0.94	0.94
Forestry, fishing, and related activities	0.54	0.52	0.48	0.44	0.44
Mining	0.76	0.83	0.95	0.88	0.97
Utilities	0.85	0.47	0.42	0.49	0.48
Construction	1.21	1.11	1.14	1.12	1.08
Manufacturing	1.49	1.53	1.46	1.24	1.17
Wholesale trade	0.41	0.40	0.45	0.49	0.50
Retail trade	1.01	0.99	1.00	1.05	1.06
Transportation and warehousing	0.43	0.42	0.42	0.44	0.40
Information	1.45	1.34	1.29	1.15	1.08
Finance and insurance	0.78	0.76	0.60	0.62	0.61
Real estate and rental and leasing	1.06	1.04	0.99	1.00	1.00
Professional, scientific, and technical services	0.86	0.84	0.84	0.86	0.85
Management of companies and enterprises	0.10	0.13	0.16	0.18	0.14
Administrative and waste management services	1.32	1.36	1.45	1.37	1.41
Educational services	0.73	0.72	0.76	0.77	0.80
Health care and social assistance	0.53	0.58	0.64	0.68	0.75
Arts, entertainment, and recreation	1.51	1.52	1.53	1.51	1.45
Accommodation and food services	1.08	1.08	1.08	1.11	1.04
Other services, except public administration	0.97	0.96	0.93	0.96	0.98
Government and government enterprises	1.27	1.30	1.30	1.36	1.38
Federal, civilian	0.53	0.54	0.51	0.53	0.54
Military	0.70	0.72	0.73	0.74	0.76
State and local	1.44	1.48	1.48	1.54	1.57
State government	0.18	0.18	0.18	0.19	0.21
Local government	1.92	1.97	1.97	2.05	2.08
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 Sandoval County (NM Base) 2011-2015					
NM Based	2011	2012	2013	2014	2015
By type					
Wage and salary employment	0.89	0.89	0.89	0.88	0.88
Proprietors employment	1.42	1.40	1.41	1.43	1.43
Farm proprietors employment	0.92	0.95	0.94	0.96	0.95
Nonfarm proprietors employment	1.47	1.45	1.46	1.48	1.48
By industry					
Farm employment	0.77	0.79	0.78	0.80	0.79
Nonfarm employment	1.01	1.01	1.01	1.01	1.01
Private nonfarm employment	1.04	1.04	1.04	1.03	1.03
Forestry, fishing, and related activities	0.54	0.54	0.50	0.42	0.41
Mining	0.20	0.22	0.24	0.21	0.23
Utilities	0.65	0.35	0.31	0.36	0.36
Construction	1.08	1.02	1.05	1.04	1.02
Manufacturing	3.12	3.20	3.09	2.73	2.60
Wholesale trade	0.57	0.56	0.63	0.68	0.69
Retail trade	0.99	0.96	0.96	1.00	1.01
Transportation and warehousing	0.60	0.58	0.58	0.62	0.57
Information	1.71	1.57	1.55	1.41	1.31
Finance and insurance	1.29	1.25	0.99	0.99	0.98
Real estate and rental and leasing	1.27	1.27	1.23	1.25	1.25
Professional, scientific, and technical services	0.81	0.80	0.82	0.85	0.84
Management of companies and enterprises	0.23	0.30	0.38	0.43	0.34
Administrative and waste management services	1.56	1.68	1.78	1.72	1.80
Educational services	1.12	1.12	1.18	1.21	1.22
Health care and social assistance	0.51	0.56	0.63	0.66	0.71
Arts, entertainment, and recreation	1.52	1.52	1.54	1.52	1.44
Accommodation and food services	0.98	0.98	0.98	0.99	0.93
Other services, except public administration	1.09	1.09	1.07	1.10	1.12
Government and government enterprises	0.87	0.88	0.87	0.91	0.92
Federal, civilian	0.29	0.29	0.28	0.29	0.30
Military	0.49	0.48	0.48	0.48	0.51
State and local	1.03	1.04	1.03	1.07	1.08
State government	0.10	0.10	0.10	0.10	0.11
Local government	1.55	1.57	1.55	1.61	1.63
Total employment	1.00	1.00	1.00	1.00	1.00
<i>Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation</i>					

Table 3: Sandoval County Total Employment by Industry 2015		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	31,875	69.14
Proprietors employment	14,227	30.86
Farm proprietors employment	855	1.85
Nonfarm proprietors employment	13,372	29.01
By industry		
Farm employment	954	2.07
Nonfarm employment	45,148	97.93
Private nonfarm employment	37,056	80.38
Forestry, fishing, and related activities	102	0.22
Mining	354	0.77
Utilities	69	0.15
Construction	2,609	5.66
Manufacturing	3,723	8.08
Wholesale trade	830	1.80
Retail trade	4,915	10.66
Transportation and warehousing	636	1.38
Information	881	1.91
Finance and insurance	1,429	3.10
Real estate and rental and leasing	2,123	4.61
Professional, scientific, and technical services	2,741	5.95
Management of companies and enterprises	84	0.18
Administrative and waste management services	4,112	8.92
Educational services	899	1.95
Health care and social assistance	3,898	8.46
Arts, entertainment, and recreation	1,507	3.27
Accommodation and food services	3,533	7.66
Other services, except public administration	2,611	5.66
Government and government enterprises	8,092	17.55
Federal, civilian	367	0.80
Military	362	0.79
State and local	7,363	15.97
State government	275	0.60
Local government	7,088	15.37
Total employment	46,102	100.00

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

Table 4: Sandoval County Employment by Industry 2011-2015

Number of jobs by industry	2011	2012	2013	2014	2015
By type					
Wage and salary employment	31,420	31,803	32,169	31,580	31,875
Proprietors employment	13,739	13,607	13,803	13,799	14,227
Farm proprietors employment	808	866	870	855	855
Nonfarm proprietors employment 2/	12,931	12,741	12,933	12,944	13,372
By industry					
Farm employment	893	958	972	945	954
Nonfarm employment	44,266	44,452	45,000	44,434	45,148
Private nonfarm employment	36,367	36,487	37,119	36,465	37,056
Forestry, fishing, and related activities	119	117	111	101	102
Mining	241	326	385	342	354
Utilities	125	69	61	70	69
Construction	2,731	2,512	2,667	2,605	2,609
Manufacturing	4,724	4,875	4,688	3,890	3,723
Wholesale trade	642	632	714	781	830
Retail trade	4,666	4,563	4,632	4,789	4,915
Transportation and warehousing	624	628	634	672	636
Information	1,199	1,099	1,063	929	881
Finance and insurance	1,948	1,872	1,479	1,442	1,429
Real estate and rental and leasing	2,145	2,063	2,019	2,052	2,123
Professional, scientific, and technical services	2,652	2,602	2,658	2,704	2,741
Management of companies and enterprises	53	70	89	101	84
Administrative and waste management services	3,630	3,819	4,153	3,921	4,112
Educational services	772	770	826	847	899
Health care and social assistance	2,626	2,947	3,328	3,459	3,898
Arts, entertainment, and recreation	1,495	1,531	1,561	1,535	1,507
Accommodation and food services	3,427	3,455	3,577	3,667	3,533
Other services, except public administration	2,548	2,537	2,474	2,558	2,611
Government and government enterprises	7,899	7,965	7,881	7,969	8,092
Federal, civilian	396	391	365	358	367
Military	372	373	375	354	362
State and local	7,131	7,201	7,141	7,257	7,363
State government	245	241	239	245	275
Local government	6,886	6,960	6,902	7,012	7,088
Total employment	45,159	45,410	45,972	45,379	46,102
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	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	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: Sandoval County, New Mexico and United States Percent of Employment by Industry 2015

	United States	New Mexico	Sandoval County
By type			
Wage and salary employment	77.62	78.45	69.14
Proprietors employment	22.38	21.55	30.86
Farm proprietors employment	0.96	1.94	1.85
Nonfarm proprietors employment	21.42	19.61	29.01
By industry			
Farm employment	1.39	2.63	2.07
Nonfarm employment	98.61	97.37	97.93
Private nonfarm employment	85.92	78.34	80.38
Forestry, fishing, and related activities	0.51	0.54	0.22
Mining	0.79	3.28	0.77
Utilities	0.31	0.42	0.15
Construction	5.23	5.53	5.66
Manufacturing	6.88	3.11	8.08
Wholesale trade	3.57	2.61	1.80
Retail trade	10.07	10.56	10.66
Transportation and warehousing	3.47	2.41	1.38
Information	1.78	1.46	1.91
Finance and insurance	5.07	3.16	3.10
Real estate and rental and leasing	4.59	3.69	4.61
Professional, scientific, and technical services	6.96	7.08	5.95
Management of companies and enterprises	1.28	0.53	0.18
Administrative and waste management services	6.32	4.94	8.92
Educational services	2.45	1.60	1.95
Health care and social assistance	11.20	11.83	8.46
Arts, entertainment, and recreation	2.26	2.27	3.27
Accommodation and food services	7.38	8.27	7.66
Other services, except public administration	5.80	5.07	5.66
Government and government enterprises	12.69	19.03	17.55
Federal, civilian	1.48	2.66	0.80
Military	1.03	1.54	0.79
State and local	10.19	14.82	15.97
State government	2.79	5.38	0.60
Local government	7.40	9.45	15.37
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: Sandoval County Percent of Employment by Sectors 2011-2015

Description	2011	2012	2013	2014	2015
By type					
Wage and salary employment	69.58	70.04	69.98	69.59	69.14
Proprietors employment	30.42	29.96	30.02	30.41	30.86
Farm proprietors employment	1.79	1.91	1.89	1.88	1.85
Nonfarm proprietors employment	28.63	28.06	28.13	28.52	29.01
By industry					
Farm employment	1.98	2.11	2.11	2.08	2.07
Nonfarm employment	98.02	97.89	97.89	97.92	97.93
Private nonfarm employment	80.53	80.35	80.74	80.36	80.38
Forestry, fishing, and related activities	0.26	0.26	0.24	0.22	0.22
Mining	0.53	0.72	0.84	0.75	0.77
Utilities	0.28	0.15	0.13	0.15	0.15
Construction	6.05	5.53	5.80	5.74	5.66
Manufacturing	10.46	10.74	10.20	8.57	8.08
Wholesale trade	1.42	1.39	1.55	1.72	1.80
Retail trade	10.33	10.05	10.08	10.55	10.66
Transportation and warehousing	1.38	1.38	1.38	1.48	1.38
Information	2.66	2.42	2.31	2.05	1.91
Finance and insurance	4.31	4.12	3.22	3.18	3.10
Real estate and rental and leasing	4.75	4.54	4.39	4.52	4.61
Professional, scientific, and technical services	5.87	5.73	5.78	5.96	5.95
Management of companies and enterprises	0.12	0.15	0.19	0.22	0.18
Administrative and waste management services	8.04	8.41	9.03	8.64	8.92
Educational services	1.71	1.70	1.80	1.87	1.95
Health care and social assistance	5.82	6.49	7.24	7.62	8.46
Arts, entertainment, and recreation	3.31	3.37	3.40	3.38	3.27
Accommodation and food services	7.59	7.61	7.78	8.08	7.66
Other services, except public administration	5.64	5.59	5.38	5.64	5.66
Government and government enterprises	17.49	17.54	17.14	17.56	17.55
Federal, civilian	0.88	0.86	0.79	0.79	0.80
Military	0.82	0.82	0.82	0.78	0.79
State and local	15.79	15.86	15.53	15.99	15.97
State government	0.54	0.53	0.52	0.54	0.60
Local government	15.25	15.33	15.01	15.45	15.37
Total employment	100.00	100.00	100.00	100.00	100.00
<i>Source: Bureau of Economic Analysis at www.bea.gov, table CA25N and author's calculation</i>					

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