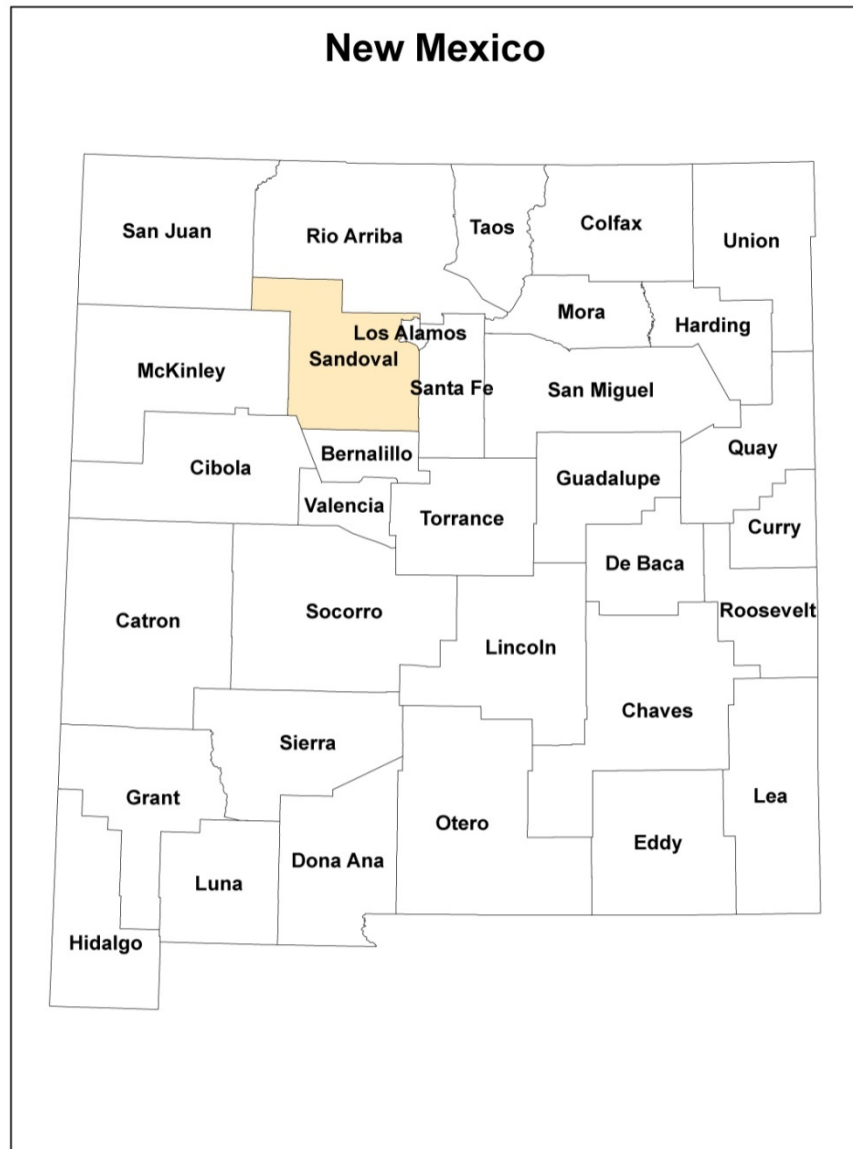




The Economic Base of Sandoval County, NM

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

DATE: July 2019



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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. Theophilus Djaba and Erin Sumner, graduate students in the NMSU Doctorate of Economic Development program, did much of the work on the updates. Comments and suggestions are welcome and are to be sent to jpeach@nmsu.edu. Our intent is to update these reports on an annual basis.

An economic base study is a descriptive tool used to analyze the composition of local economic activity. Economic base studies are often conducted to help guide local economic development activities and to help economic development officials make decisions such as what type of firms they should attempt to attract to local areas. Economic base studies can also help local and regional businesses better understand local and export product markets.

The specific purposes of economic base studies include:

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

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

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

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

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

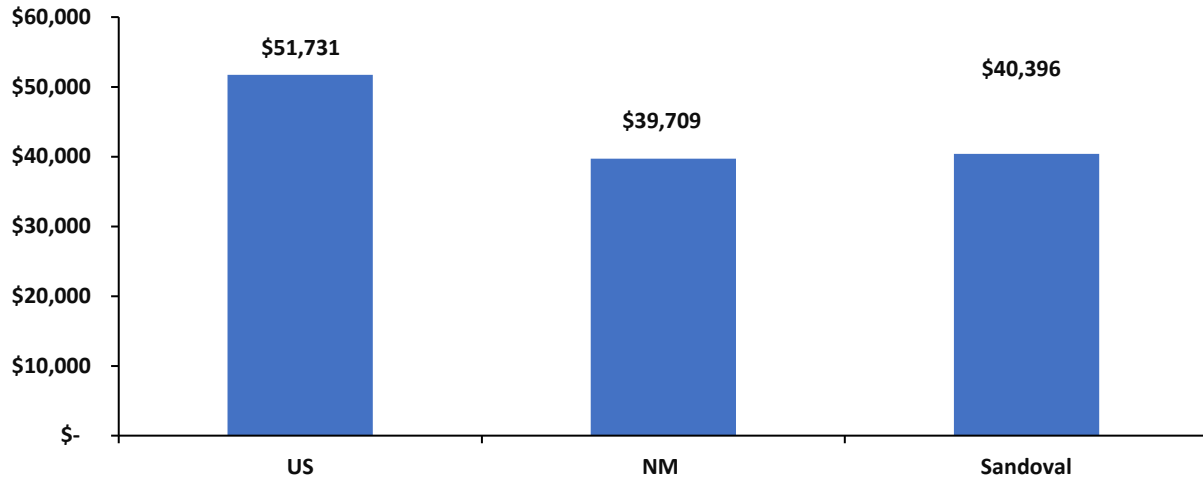
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national level. Conversely, 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 the national employment as the 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 (2013-2017). The data used in this report are from the U.S. Department of Commerce, Bureau of Economic Analysis (BEA) which can be found at www.bea.gov.

Sandoval County, New Mexico

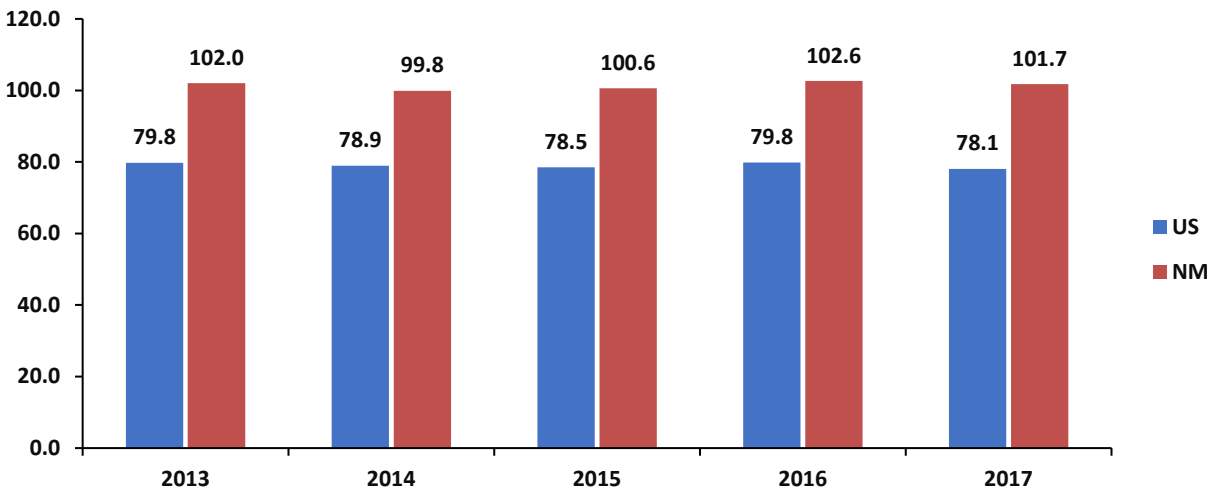
Sandoval County is located in northern central New Mexico and contains 3,710.65 square miles, or 3.06 percent of the land area in New Mexico. The population for Sandoval County in 2017 was 142,507, ranking as the 4th largest county in the state of New Mexico with 6.81 percent of the total population of the state. In 2017, the City of Rio Rancho is the most populated city in Sandoval County with a population 96,159, containing 67.48 percent of the population in the county. Between 2013 and 2017, Sandoval County's population increased by 4.67 percent. During the same period, New Mexico's population increased 0.03 percent and the nation's population increased by 2.88 percent.

Figure 1. Per Capita Personal Income: Sandoval County (2017)



In 2017, per capita personal income in Sandoval County was \$40,396 ranking 8th in the state (See Figure 1). Per capita income for Sandoval County was 101.73 percent of the corresponding state figure of \$39,709 and 78.09 percent of the national average of \$51,731 in 2017 (See Figure 2). The 12.88 percent growth for per capita income in Sandoval County between 2013 and 2017 was very similar to the state percent growth of 13.21 percent and nation’s per capita income percent growth of 15.34 percent.

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



In 2017, total employment in Sandoval County was 47,017. Between 2013 and 2017, total employment in Sandoval County increased by 2.33 percent, compared to the increase of just 2.08 percent for the state and 7.57 percent increase for the nation. The Sandoval County employment to

population ratio in 2014 was 0.33. This is a relatively lower rate compared to the rate for the state of 0.52 and nation with 0.60.

In 2017, 81.10 percent of all employment in Sandoval County was in the Private sector, while Government and government enterprises accounted for 16.87 percent and Farm employment accounted for 2.03 percent of the total. In the private sector, industries with the highest percentages included: Manufacturing (6.02 percent), Retail trade (10.03), Health care and social assistance (9.94), Accommodations and food services (7.95) and Administrative and waste management services (12.43).

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 14.59 percent of total employment. Federal / civilian, military and state government employment represented small shares compared to local government; 0.78, 0.78, and 0.72 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 2013 to 2017 calculated using data for the United States as basis for comparison. Table 2 contains LQs for Sandoval County from 2013 to 2017 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 industry has been a basic industry in the county until 2017 when its LQ fell below 1.0. The manufacturing sector had an LQ of 0.89 in 2017, however, in previous years, the LQs fluctuated between 1.01 and 1.43. These figures are a representation of Intel Corporation production located in Rio Rancho. This is a large technological manufacturing and innovation facility.

With a LQ of 1.27 in 2017 and LQs higher than 1.25 in all years considered, the Arts, entertainment, and recreation industry is also considered a basic industry in Sandoval County. Retail trade and Farm employment with LQs of 1.02 and 1.51 respectively are also considered basic industries in Sandoval county in 2017. Other sectors with LQs above 1.0 included: Construction (1.02), Accommodation and food services (1.06), Real estate and rental and leasing (1.03), Other services, except public administration (1.0), and Local government (2.01). Nevertheless, these industries in Sandoval County are probably best viewed as non-basic or support industries. Local government also had a LQ of 2.01 in 2017. However, local government is generally categorized as non-basic given that all

local governments collect taxes from residents to provide for the services to the community, including employment. Following this practice, local government for Sandoval County will be considered a non-basic industry.

The data for 2017 suggest that in Sandoval County the following industries are to be considered basic:

1. Arts, entertainment, and recreation, accounted for 1,357 jobs.
2. Retail trade, accounted for 4,716 total jobs.
3. Farm employment, accounted for 955 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 6.69 (47,017/7,028). This ratio suggests that any additional basic sector job in Sandoval County would be associated with additional 6.69 non-basic sector jobs. The export base multiplier (6.69) 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 2016 and 2017, Sandoval County's population increased by 1.63 percent from a population of 140,224 to 142,507. Sandoval County saw a 1.47 percent increase in per capita income between 2016 and 2017 while the state and the nation saw a 2.36 percent and 3.70 percent growth in per capita income respectively during the same period.

Tables 1 to 10 appear on pages 6-15

Table 1: Location Quotients for Sandoval County (US Base) 2013-2017					
US Base	2013	2014	2015	2016	2017
By type					
Wage and salary employment	0.90	0.89	0.89	0.89	0.89
Proprietors employment	1.36	1.37	1.37	1.37	1.36
Farm proprietors employment	1.86	1.93	1.94	1.96	1.98
Nonfarm proprietors employment	1.33	1.35	1.35	1.34	1.34
By industry					
Farm employment	1.46	1.48	1.50	1.53	1.51
Nonfarm employment	0.99	0.99	0.99	0.99	0.99
Private nonfarm employment	0.95	0.94	0.94	0.93	0.94
Forestry, fishing, and related activities	0.48	0.44	0.41	N/A	N/A
Mining	0.95	0.88	1.02	0.86	N/A
Utilities	0.42	0.49	0.50	0.57	0.63
Construction	1.14	1.11	1.07	1.01	1.02
Manufacturing	1.46	1.23	1.19	1.01	0.89
Wholesale trade	0.45	0.53	0.50	0.61	0.49
Retail trade	1.00	1.05	1.06	1.08	1.02
Transportation and warehousing	0.42	0.44	0.43	0.42	0.40
Information	1.29	1.15	1.07	0.79	0.55
Finance and insurance	0.60	0.61	0.59	0.61	0.60
Real estate and rental and leasing	0.99	1.00	1.00	1.03	1.03
Professional, scientific, and technical services	0.84	0.86	0.85	0.82	0.81
Management of companies and enterprises	0.16	0.18	0.12	N/A	0.13
Administrative and waste management services	1.45	1.37	1.44	1.57	2.02
Educational services	0.76	0.77	0.79	0.70	0.66
Health care and social assistance	0.64	0.68	0.77	0.82	0.88
Arts, entertainment, and recreation	1.53	1.50	1.46	1.41	1.27
Accommodation and food services	1.08	1.11	1.03	1.04	1.06
Other services, except public administration	0.93	0.96	0.98	1.00	1.00
Government and government enterprises	1.30	1.36	1.38	1.41	1.36
Federal, civilian	0.51	0.53	0.54	0.54	0.53
Military	0.73	0.73	0.76	0.79	0.79
State and local	1.48	1.54	1.57	1.60	1.53
State government	0.18	0.19	0.21	0.28	0.26
Local government	1.97	2.06	2.08	2.09	2.01
Total employment	1.00	1.00	1.00	1.00	1.00

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

Table 2: Location Quotients for Sandoval County (NM Base) 2013-2017					
NM Based	2013	2014	2015	2016	2017
By type					
Wage and salary employment	0.89	0.88	0.88	0.88	0.88
Proprietors employment	1.41	1.43	1.45	1.45	1.44
Farm proprietors employment	0.95	0.96	0.95	0.95	0.94
Nonfarm proprietors employment	1.46	1.48	1.50	1.51	1.49
By industry					
Farm employment	0.78	0.81	0.79	0.77	0.78
Nonfarm employment	1.01	1.01	1.01	1.01	1.01
Private nonfarm employment	1.04	1.03	1.03	1.03	1.03
Forestry, fishing, and related activities	0.50	0.42	0.39	N/A	N/A
Mining	0.24	0.21	0.25	0.22	N/A
Utilities	0.31	0.36	0.36	0.41	0.46
Construction	1.05	1.04	1.01	0.98	0.97
Manufacturing	3.09	2.73	2.61	2.26	1.99
Wholesale trade	0.63	0.72	0.68	0.88	0.71
Retail trade	0.96	1.00	1.01	1.03	0.99
Transportation and warehousing	0.58	0.62	0.63	0.66	0.64
Information	1.55	1.41	1.30	0.95	0.68
Finance and insurance	0.98	0.99	0.96	0.98	0.96
Real estate and rental and leasing	1.22	1.24	1.26	1.30	1.29
Professional, scientific, and technical services	0.82	0.85	0.83	0.81	0.78
Management of companies and enterprises	0.38	0.43	0.29	N/A	0.31
Administrative and waste management services	1.78	1.72	1.84	1.98	2.47
Educational services	1.18	1.21	1.23	1.07	1.02
Health care and social assistance	0.63	0.66	0.72	0.75	0.81
Arts, entertainment, and recreation	1.54	1.52	1.46	1.44	1.28
Accommodation and food services	0.98	0.99	0.92	0.92	0.94
Other services, except public administration	1.07	1.10	1.12	1.13	1.12
Government and government enterprises	0.87	0.91	0.92	0.93	0.90
Federal, civilian	0.28	0.29	0.30	0.29	0.29
Military	0.48	0.48	0.50	0.50	0.49
State and local	1.03	1.07	1.07	1.09	1.05
State government	0.10	0.10	0.11	0.14	0.14
Local government	1.55	1.61	1.62	1.62	1.57
Total employment	1.00	1.00	1.00	1.00	1.00

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

Table 3: Sandoval County Total Employment by Industry 2017		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	32,524	69.17
Proprietors employment	14,493	30.83
Farm proprietors employment	858	1.82
Nonfarm proprietors employment	13,635	29.00
By industry		
Farm employment	955	2.03
Nonfarm employment	46,062	97.97
Private nonfarm employment	38,129	81.10
Forestry, fishing, and related activities	(D)	N/A
Mining	(D)	N/A
Utilities	100	0.21
Construction	2,595	5.52
Manufacturing	2,832	6.02
Wholesale trade	756	1.61
Retail trade	4,716	10.03
Transportation and warehousing	744	1.58
Information	447	0.95
Finance and insurance	1,509	3.21
Real estate and rental and leasing	2,247	4.78
Professional, scientific, and technical services	2,665	5.67
Management of companies and enterprises	86	0.18
Administrative and waste management services	5,845	12.43
Educational services	744	1.58
Health care and social assistance	4,672	9.94
Arts, entertainment, and recreation	1,357	2.89
Accommodation and food services	3,736	7.95
Other services, except public administration	2,666	5.67
Government and government enterprises	7,933	16.87
Federal, civilian	366	0.78
Military	367	0.78
State and local	7,200	15.31
State government	340	0.72
Local government	6,860	14.59
Total employment	47,017	100.00

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

Table 4: Sandoval County Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	32151	31560	31869	32041	32524
Proprietors employment	13797	13902	14204	14241	14493
Farm proprietors employment	870	867	860	855	858
Nonfarm proprietors employment 2/	12927	13035	13344	13386	13635
By industry					
Farm employment	972	957	959	966	955
Nonfarm employment	44976	44505	45114	45316	46062
Private nonfarm employment	37096	36538	37044	37131	38129
Forestry, fishing, and related activities	111	101	92	(D)	(D)
Mining	385	342	384	299	(D)
Utilities	61	69	72	85	100
Construction	2663	2599	2546	2493	2595
Manufacturing	4689	3891	3768	3179	2832
Wholesale trade	714	873	822	949	756
Retail trade	4632	4785	4879	4962	4716
Transportation and warehousing	634	672	729	741	744
Information	1063	931	858	641	447
Finance and insurance	1473	1444	1403	1481	1509
Real estate and rental and leasing	2010	2043	2104	2195	2247
Professional, scientific, and technical services	2659	2704	2729	2654	2665
Management of companies and enterprises	89	101	72	(D)	86
Administrative and waste management services	4151	3918	4114	4514	5845
Educational services	828	847	879	774	744
Health care and social assistance	3326	3456	3955	4267	4672
Arts, entertainment, and recreation	1561	1544	1491	1475	1357
Accommodation and food services	3576	3665	3498	3593	3736
Other services, except public administration	2471	2553	2649	2643	2666
Government and government enterprises	7880	7967	8070	8185	7933
Federal, civilian	365	358	367	367	366
Military	374	352	360	363	367
State and local	7141	7257	7343	7455	7200
State government	239	245	275	356	340
Local government	6902	7012	7068	7099	6860
Total employment	45948	45462	46073	46282	47017

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N

Table 5: New Mexico Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	846495	852348	860023	861222	862272
Proprietors employment	228970	231044	231850	231184	235600
Farm proprietors employment	21547	21473	21405	21291	21372
Nonfarm proprietors employment	207423	209571	210445	209893	214228
By industry					
Farm employment	29208	28262	28866	29641	28633
Nonfarm employment	1046257	1055130	1063007	1062765	1069239
Private nonfarm employment	835402	845778	854438	854243	862954
Forestry, fishing, and related activities	5235	5675	5540	5819	5658
Mining	36857	38222	36655	31808	33725
Utilities	4652	4591	4684	4900	5099
Construction	59142	59584	59709	60012	62633
Manufacturing	35463	34022	34158	33188	33239
Wholesale trade	26688	28856	28502	25379	24946
Retail trade	112726	113923	114888	113636	111443
Transportation and warehousing	25502	25903	27243	26672	27060
Information	16059	15725	15588	16001	15339
Finance and insurance	35010	34783	34461	35684	36737
Real estate and rental and leasing	38414	39111	39660	39866	40634
Professional, scientific, and technical services	75919	76116	77542	77751	79601
Management of companies and enterprises	5502	5631	5877	6337	6449
Administrative and waste management services	54597	54370	52998	53887	55307
Educational services	16426	16736	16965	17026	17020
Health care and social assistance	123737	124796	129720	134269	134712
Arts, entertainment, and recreation	23734	24225	24245	24151	24831
Accommodation and food services	85494	88296	90192	92521	93037
Other services, except public administration	54245	55213	55811	55336	55484
Government and government enterprises	210855	209352	208569	208522	206285
Federal, civilian	30400	29452	29188	29385	29288
Military	18350	17518	16923	17159	17348
State and local	162105	162382	162458	161978	159649
State government	57772	58752	58962	58703	57617
Local government	104333	103630	103496	103275	102032
Total employment	1075465	1083392	1091873	1092406	1097872

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N

Table 6: United States Employment by Industry 2012-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	141,932,000.00	144,722,000.00	147,635,000.00	149,904,000.00	151,825,000.00
Proprietors employment	40,393,100.00	41,513,800.00	42,682,800.00	43,464,900.00	44,307,200.00
Farm proprietors employment	1,856,000.00	1,842,000.00	1,832,000.00	1,823,000.00	1,812,000.00
Nonfarm proprietors employment	38,537,100.00	39,671,800.00	40,850,800.00	41,641,900.00	42,495,200.00
By industry					
Farm employment	2,645,000.00	2,645,000.00	2,649,000.00	2,643,000.00	2,631,000.00
Nonfarm employment	179,680,100.00	183,590,800.00	187,668,800.00	190,725,900.00	193,501,200.00
Private nonfarm employment	155,625,100.00	159,536,800.00	163,523,800.00	166,427,900.00	169,096,200.00
Forestry, fishing, and related activities	909,100.00	941,000.00	915,900.00	935,200.00	926,400.00
Mining	1,607,000.00	1,597,500.00	1,553,300.00	1,452,200.00	1,511,100.00
Utilities	578,300.00	580,600.00	597,400.00	622,000.00	663,500.00
Construction	9,237,800.00	9,564,300.00	9,844,900.00	10,322,100.00	10,634,600.00
Manufacturing	12,761,200.00	12,908,600.00	13,076,600.00	13,131,900.00	13,304,800.00
Wholesale trade	6,343,100.00	6,720,600.00	6,819,100.00	6,464,400.00	6,478,900.00
Retail trade	18,369,100.00	18,713,100.00	19,095,300.00	19,199,500.00	19,222,200.00
Transportation and warehousing	6,012,800.00	6,282,400.00	6,929,700.00	7,413,200.00	7,663,800.00
Information	3,264,600.00	3,327,000.00	3,316,400.00	3,384,900.00	3,384,400.00
Finance and insurance	9,815,300.00	9,621,000.00	9,844,600.00	10,187,400.00	10,510,200.00
Real estate and rental and leasing	8,056,800.00	8,405,800.00	8,668,300.00	8,868,200.00	9,105,900.00
Professional, scientific, and technical services	12,544,300.00	12,864,700.00	13,333,200.00	13,496,900.00	13,721,000.00
Management of companies and enterprises	2,265,000.00	2,360,300.00	2,425,500.00	2,603,800.00	2,667,400.00
Administrative and waste management services	11,366,900.00	11,719,200.00	11,770,600.00	12,033,600.00	12,088,500.00
Educational services	4,339,100.00	4,498,100.00	4,610,900.00	4,641,800.00	4,691,200.00
Health care and social assistance	20,499,200.00	20,798,400.00	21,351,100.00	21,817,100.00	22,201,200.00
Arts, entertainment, and recreation	4,043,800.00	4,223,300.00	4,220,100.00	4,363,100.00	4,455,500.00
Accommodation and food services	13,099,200.00	13,548,900.00	13,977,700.00	14,399,000.00	14,697,400.00
Other services, except public administration	10,512,500.00	10,862,000.00	11,173,200.00	11,091,600.00	11,168,200.00
Government and government enterprises	24,055,000.00	24,054,000.00	24,145,000.00	24,298,000.00	24,405,000.00
Federal, civilian	2,826,000.00	2,792,000.00	2,810,000.00	2,847,000.00	2,857,000.00
Military	2,032,000.00	1,975,000.00	1,956,000.00	1,927,000.00	1,929,000.00
State and local	19,197,000.00	19,287,000.00	19,379,000.00	19,524,000.00	19,619,000.00
State government	5,306,000.00	5,330,000.00	5,349,000.00	5,351,000.00	5,365,000.00
Local government	13,891,000.00	13,957,000.00	14,030,000.00	14,173,000.00	14,254,000.00
Total employment	182,325,100.00	186,235,800.00	190,317,800.00	193,368,900.00	196,132,200.00

Source: Bureau of Economic Analysis at www.bea.gov, table CAEMP25N

Table 7: Sandoval County, New Mexico and United States Percent of Employment by Industry 2017			
	United States	New Mexico	Sandoval County
By type			
Wage and salary employment	77.41	78.54	69.17
Proprietors employment	22.59	21.46	30.83
Farm proprietors employment	0.92	1.95	1.82
Nonfarm proprietors employment	21.67	19.51	29.00
By industry			
Farm employment	1.34	2.61	2.03
Nonfarm employment	98.66	97.39	97.97
Private nonfarm employment	86.22	78.60	81.10
Forestry, fishing, and related activities	0.47	0.52	N/A
Mining	0.77	3.07	N/A
Utilities	0.34	0.46	0.21
Construction	5.42	5.70	5.52
Manufacturing	6.78	3.03	6.02
Wholesale trade	3.30	2.27	1.61
Retail trade	9.80	10.15	10.03
Transportation and warehousing	3.91	2.46	1.58
Information	1.73	1.40	0.95
Finance and insurance	5.36	3.35	3.21
Real estate and rental and leasing	4.64	3.70	4.78
Professional, scientific, and technical services	7.00	7.25	5.67
Management of companies and enterprises	1.36	0.59	0.18
Administrative and waste management services	6.16	5.04	12.43
Educational services	2.39	1.55	1.58
Health care and social assistance	11.32	12.27	9.94
Arts, entertainment, and recreation	2.27	2.26	2.89
Accommodation and food services	7.49	8.47	7.95
Other services, except public administration	5.69	5.05	5.67
Government and government enterprises	12.44	18.79	16.87
Federal, civilian	1.46	2.67	0.78
Military	0.98	1.58	0.78
State and local	10.00	14.54	15.31
State government	2.74	5.25	0.72
Local government	7.27	9.29	14.59
Total employment	100.00	100.00	100.00

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

Table 8: Sandoval County Percent of Employment by Sectors 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	69.97	69.42	69.17	69.23	69.17
Proprietors employment	30.03	30.58	30.83	30.77	30.83
Farm proprietors employment	1.89	1.91	1.87	1.85	1.82
Nonfarm proprietors employment	28.13	28.67	28.96	28.92	29.00
By industry					
Farm employment	2.12	2.11	2.08	2.09	2.03
Nonfarm employment	97.88	97.89	97.92	97.91	97.97
Private nonfarm employment	80.73	80.37	80.40	80.23	81.10
Forestry, fishing, and related activities	0.24	0.22	0.20	N/A	N/A
Mining	0.84	0.75	0.83	0.65	N/A
Utilities	0.13	0.15	0.16	0.18	0.21
Construction	5.80	5.72	5.53	5.39	5.52
Manufacturing	10.21	8.56	8.18	6.87	6.02
Wholesale trade	1.55	1.92	1.78	2.05	1.61
Retail trade	10.08	10.53	10.59	10.72	10.03
Transportation and warehousing	1.38	1.48	1.58	1.60	1.58
Information	2.31	2.05	1.86	1.38	0.95
Finance and insurance	3.21	3.18	3.05	3.20	3.21
Real estate and rental and leasing	4.37	4.49	4.57	4.74	4.78
Professional, scientific, and technical services	5.79	5.95	5.92	5.73	5.67
Management of companies and enterprises	0.19	0.22	0.16	N/A	0.18
Administrative and waste management services	9.03	8.62	8.93	9.75	12.43
Educational services	1.80	1.86	1.91	1.67	1.58
Health care and social assistance	7.24	7.60	8.58	9.22	9.94
Arts, entertainment, and recreation	3.40	3.40	3.24	3.19	2.89
Accommodation and food services	7.78	8.06	7.59	7.76	7.95
Other services, except public administration	5.38	5.62	5.75	5.71	5.67
Government and government enterprises	17.15	17.52	17.52	17.69	16.87
Federal, civilian	0.79	0.79	0.80	0.79	0.78
Military	0.81	0.77	0.78	0.78	0.78
State and local	15.54	15.96	15.94	16.11	15.31
State government	0.52	0.54	0.60	0.77	0.72
Local government	15.02	15.42	15.34	15.34	14.59
Total employment	100.00	100.00	100.00	100.00	100.00

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

Table 9: New Mexico Percent of Employment by Industry 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	78.71	78.67	78.77	78.84	78.54
Proprietors employment	21.29	21.33	21.23	21.16	21.46
Farm proprietors employment	2.00	1.98	1.96	1.95	1.95
Nonfarm proprietors employment	19.29	19.34	19.27	19.21	19.51
By industry					
Farm employment	2.72	2.61	2.64	2.71	2.61
Nonfarm employment	97.28	97.39	97.36	97.29	97.39
Private nonfarm employment	77.68	78.07	78.25	78.20	78.60
Forestry, fishing, and related activities	0.49	0.52	0.51	0.53	0.52
Mining	3.43	3.53	3.36	2.91	3.07
Utilities	0.43	0.42	0.43	0.45	0.46
Construction	5.50	5.50	5.47	5.49	5.70
Manufacturing	3.30	3.14	3.13	3.04	3.03
Wholesale trade	2.48	2.66	2.61	2.32	2.27
Retail trade	10.48	10.52	10.52	10.40	10.15
Transportation and warehousing	2.37	2.39	2.50	2.44	2.46
Information	1.49	1.45	1.43	1.46	1.40
Finance and insurance	3.26	3.21	3.16	3.27	3.35
Real estate and rental and leasing	3.57	3.61	3.63	3.65	3.70
Professional, scientific, and technical services	7.06	7.03	7.10	7.12	7.25
Management of companies and enterprises	0.51	0.52	0.54	0.58	0.59
Administrative and waste management services	5.08	5.02	4.85	4.93	5.04
Educational services	1.53	1.54	1.55	1.56	1.55
Health care and social assistance	11.51	11.52	11.88	12.29	12.27
Arts, entertainment, and recreation	2.21	2.24	2.22	2.21	2.26
Accommodation and food services	7.95	8.15	8.26	8.47	8.47
Other services, except public administration	5.04	5.10	5.11	5.07	5.05
Government and government enterprises	19.61	19.32	19.10	19.09	18.79
Federal, civilian	2.83	2.72	2.67	2.69	2.67
Military	1.71	1.62	1.55	1.57	1.58
State and local	15.07	14.99	14.88	14.83	14.54
State government	5.37	5.42	5.40	5.37	5.25
Local government	9.70	9.57	9.48	9.45	9.29
Total employment	100.00	100.00	100.00	100.00	100.00

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

Table 10: United States Percent of Employment by Industry 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	77.85	77.71	77.57	77.52	77.41
Proprietors employment	22.15	22.29	22.43	22.48	22.59
Farm proprietors employment	1.02	0.99	0.96	0.94	0.92
Nonfarm proprietors employment	21.14	21.30	21.46	21.53	21.67
By industry					
Farm employment	1.45	1.42	1.39	1.37	1.34
Nonfarm employment	98.55	98.58	98.61	98.63	98.66
Private nonfarm employment	85.36	85.66	85.92	86.07	86.22
Forestry, fishing, and related activities	0.50	0.51	0.48	0.48	0.47
Mining	0.88	0.86	0.82	0.75	0.77
Utilities	0.32	0.31	0.31	0.32	0.34
Construction	5.07	5.14	5.17	5.34	5.42
Manufacturing	7.00	6.93	6.87	6.79	6.78
Wholesale trade	3.48	3.61	3.58	3.34	3.30
Retail trade	10.07	10.05	10.03	9.93	9.80
Transportation and warehousing	3.30	3.37	3.64	3.83	3.91
Information	1.79	1.79	1.74	1.75	1.73
Finance and insurance	5.38	5.17	5.17	5.27	5.36
Real estate and rental and leasing	4.42	4.51	4.55	4.59	4.64
Professional, scientific, and technical services	6.88	6.91	7.01	6.98	7.00
Management of companies and enterprises	1.24	1.27	1.27	1.35	1.36
Administrative and waste management services	6.23	6.29	6.18	6.22	6.16
Educational services	2.38	2.42	2.42	2.40	2.39
Health care and social assistance	11.24	11.17	11.22	11.28	11.32
Arts, entertainment, and recreation	2.22	2.27	2.22	2.26	2.27
Accommodation and food services	7.18	7.28	7.34	7.45	7.49
Other services, except public administration	5.77	5.83	5.87	5.74	5.69
Government and government enterprises	13.19	12.92	12.69	12.57	12.44
Federal, civilian	1.55	1.50	1.48	1.47	1.46
Military	1.11	1.06	1.03	1.00	0.98
State and local	10.53	10.36	10.18	10.10	10.00
State government	2.91	2.86	2.81	2.77	2.74
Local government	7.62	7.49	7.37	7.33	7.27
Total employment	100.00	100.00	100.00	100.00	100.00

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