

The Economic Base of Bernalillo County, NM
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Introduction

This report is one of 35 economic base studies prepared by the 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. Erin Sumner and Theophilus Djaba, 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:

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

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>.

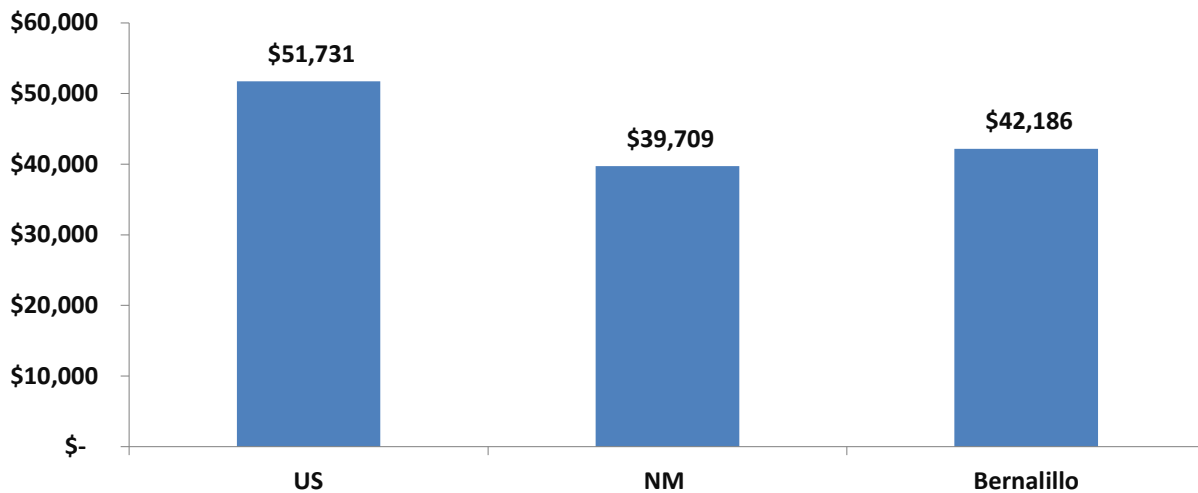
In this report, LQs are calculated for industries within Bernalillo County with national employment as basis for comparison (see Table 1). Additionally, LQs using employment for the state of New Mexico as benchmark are included (see Table 2). In this report, basic industries are identified using general 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 (2013-2017). The economic data used in this report are from the U.S. Department of Commerce, Bureau of Economic Analysis (BEA) which can be found at www.bea.gov.

Bernalillo County, New Mexico

Bernalillo County is located in central New Mexico and contains 1,160.83 square miles, or 0.96 percent of the land area in New Mexico. Bernalillo County is the second to smallest county in the state in terms of land area. The population for Bernalillo County in 2017 was 676,773, making Bernalillo County the county with the largest population in the state of New Mexico with 32.32 percent of the state's total population. Between 2013 and 2017, Bernalillo County's population increased by 0.42 percent, while New Mexico's population increased by 0.03 percent and the nation's population increased by 2.88 percent during the same period. According to the 2018 U.S. Census Bureau population estimates, the City of Albuquerque contained 82.5 percent of Bernalillo County's population with a population of 558,545 in 2017. The City of Albuquerque is the most populated city in New Mexico, containing 26.68 percent of the state population. Bernalillo County is one of the four counties in the Albuquerque Metropolitan Statistical Area (MSA). The other three counties in the Albuquerque MSA are Sandoval, Tarrant, and Valencia.

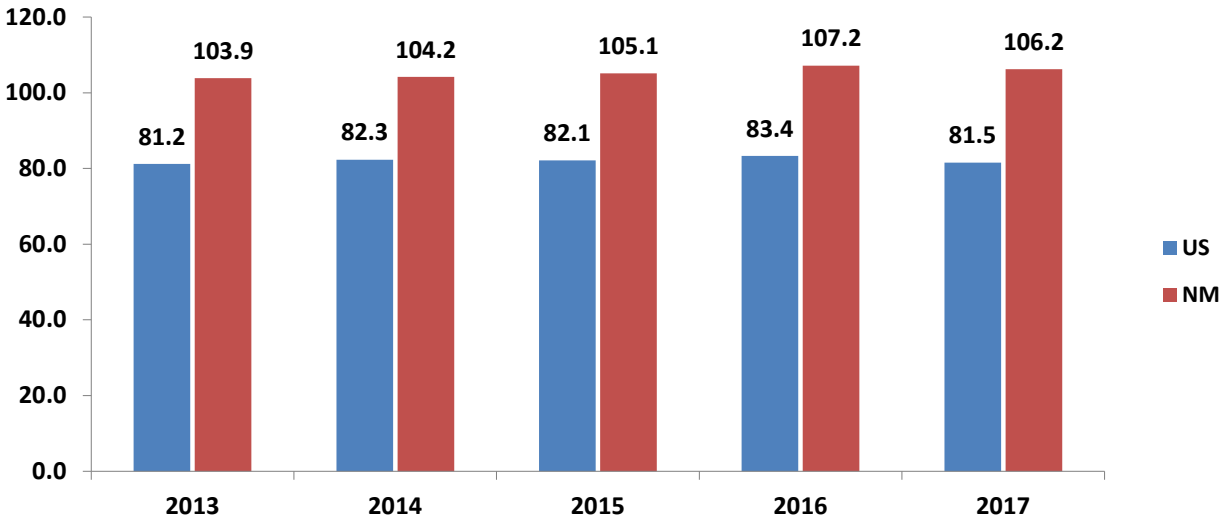
In 2017, per capita personal income in Bernalillo County was \$ 42,186, ranking 5th in the state. Per capita income for Bernalillo County in 2017 was 106.24 percent of the corresponding state figure of \$39,709 and 81.55 percent of the national average of \$51,731 (See Figures 1 and 2).

Figure 1. Per Capita Personal Income: Bernalillo (2017)



The 15.79 percentage growth in per capita income for Bernalillo County between 2013 and 2017 was significantly higher compared to the state percent growth of 13.21 percent and also the nation’s per capita income percent growth of 15.34 percent.

Figure 2: Per Capita Income of Bernalillo as a Percent of U.S. and New Mexico 2013-2017



Total employment in Bernalillo County in 2017 was 426,693. Between 2013 and 2017, total employment in Bernalillo County increased by 4.87 percent, an increase higher than the state which increased by 2.08 percent and the national figure which increased by 7.57 percent. The Bernalillo County employment to population ratio for 2017 was 0.63. The county contained a higher employment to population ratio compared to New Mexico (0.52) and the United States (0.60) reflecting commuting workers mainly from other counties in the Albuquerque MSA.

In 2017, 82.29 percent of all employment in Bernalillo County was in the private sector, while Government and government enterprises accounted for 17.47 percent and farm employment accounted for 0.24 percent of total public sector employment. State and local government were the largest employers in the public sector at 6.08 percent and a 6.92 percent of total public sector employment, respectively. Federal/civilian employment accounted for 3.28 percent and military for 1.20 percent of the total public sector employment. In the private sector, the highest percentages of total employment included: Health care and Social assistance (12.95 percent), Retail trade (9.84 percent), and Professional and technical services (9.51 percent). Bernalillo County employment by sector is displayed in Table 3.

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

Table 1 contains LQs for Bernalillo County from 2013 to 2017 calculated using data for the United States as basis for comparison. Table 2 contains LQs for Bernalillo 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 U.S. employment is considered a basic industry. Sectors with LQs greater than 1.0 have been shaded.

Within the private sector, Professional, scientific, and technical services is considered a basic economic activity in Bernalillo County with an LQ of 1.36 in 2017 and LQs greater than 1.33 in all five years considered. These LQs are in part due to the high level of employment at Sandia National Laboratories, a government-owned and contractor-operated technical laboratory located in southeast Albuquerque. In 2017, the Professional, scientific, and technical services sector accounted for 40,583 jobs. The Information sector had a LQ of 1.25 in 2017 and LQs greater than 1.20 in all years considered. In 2017, this sector accounted for 9,226 jobs in the county. The Construction sector had an LQ of 1.10 in 2017, accounting for 25,451 jobs. The LQs in the construction sector for all years considered were above 1.06.

With an LQ of 1.10 in 2017, the Accommodation and Food services industry was considered a basic economic activity for Bernalillo County reflecting the leisure industry base of Albuquerque and its surrounding areas. The Accommodation and Food services sector accounted for 35,307 total jobs in 2017. Other private sectors with LQs above 1.0 in 2017 include Health care and Social assistance (1.13) and Retail Trade (1.03). However, given that these industries are providing support to previously mentioned basic industries, they are considered as non-basic or support industries.

For the public sector, the entry labeled government and government enterprises is the aggregate figure of all government levels listed as government categories. In 2017, military and federal/civilian employment had LQs of 1.22 and 2.25, respectively, and both are considered basic industries for Bernalillo County. These LQs partly reflect the level of employment base of Kirtland Air Force base, located in southeastern Albuquerque. Sandia National Laboratories, National Security Initiatives, and Federally Funded Research and Development Center (FFRDC) also contribute to federal/civilian employment. State government employment for Bernalillo

County is considered a basic economic activity. In 2017, state government employment had an LQ of 2.22 due to the large employment base of the University of New Mexico, located in downtown Albuquerque, which exports research and educational services.

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

1. Professional, scientific, and technical services, accounted for 40,583 jobs.
2. Information, accounted for 9,226 jobs.
3. Accommodation and Food services, accounted for 35,307 jobs.
4. Federal government employment, including 14,004 federal/civilian jobs and 5,108 military jobs and, accounted for a total of 19,112 jobs.
5. State government employment, accounted for 25,927 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 Bernalillo County, the multiplier is equal to 3.28 (426,693 / 130,155). This ratio suggests that any additional basic sector job in Bernalillo County would be associated with additional 3.28 non-basic sector jobs. The export base multiplier (3.28) calculated above reinforces the importance of basic (exporting) industries to the economy of Bernalillo 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.

Changes from Prior Year

This document has been revised to reflect data figures obtained from the BEA for economic data and county population data. Between 2016 and 2017 the population of Bernalillo County grew by .18 percent with a population of 675,588 in 2016 to 676,773 in 2017. Albuquerque, as the main city in Bernalillo County, experienced a population percentage

change of .19 percent between 2016 and 2017, growing from 557,509 people in 2016 to 558,545 in 2017 (U.S Census Bureau, 2018). The per capita personal income in the county increased by 1.46 percent from \$41,579 in 2016 to \$42,186 in 2017. Total employment increased by .72 percent (3,063 jobs) from 423,630 jobs in 2016 to 426,693 jobs in 2017. Basic industries remained the same as the previous year, with no substantial differences.

Tables 1 to 10 appear on pages 8-17

Table 1: Location Quotients for Bernalillo County (US Base) 2013-2017					
US Base	2013	2014	2015	2016	2017
By type					
Wage and salary employment	1.07	1.07	1.07	1.08	1.08
Proprietors employment	0.76	0.75	0.74	0.73	0.74
Farm proprietors employment	0.21	0.21	0.22	0.22	0.22
Nonfarm proprietors employment	0.78	0.78	0.77	0.76	0.76
By industry					
Farm employment	0.17	0.17	0.18	0.18	0.18
Nonfarm employment	1.01	1.01	1.01	1.01	1.01
Private nonfarm employment	0.96	0.96	0.96	0.95	0.95
Forestry, fishing, and related activities	0.14	0.14	0.15	0.14	0.15
Mining	0.47	0.44	0.47	0.54	0.55
Utilities	0.63	0.65	0.65	0.71	0.78
Construction	1.07	1.07	1.06	1.07	1.10
Manufacturing	0.50	0.49	0.50	0.50	0.49
Wholesale trade	0.90	0.91	0.90	0.90	0.91
Retail trade	1.03	1.03	1.03	1.01	1.00
Transportation and warehousing	0.67	0.64	0.62	0.60	0.58
Information	1.21	1.20	1.25	1.30	1.25
Finance and insurance	0.75	0.79	0.79	0.79	0.81
Real estate and rental and leasing	0.90	0.89	0.88	0.88	0.88
Professional, scientific, and technical services	1.34	1.34	1.33	1.33	1.36
Management of companies and enterprises	0.67	0.66	0.68	0.68	0.68
Administrative and waste management services	1.05	1.02	0.99	0.97	0.98
Educational services	0.82	0.81	0.79	0.76	0.75
Health care and social assistance	1.12	1.13	1.15	1.16	1.14
Arts, entertainment, and recreation	0.96	0.95	0.97	0.96	0.98
Accommodation and food services	1.10	1.12	1.13	1.11	1.10
Other services, except public administration	0.85	0.85	0.83	0.84	0.84
Government and government enterprises	1.37	1.37	1.39	1.40	1.40
Federal, civilian	2.23	2.23	2.24	2.24	2.25
Military	1.20	1.19	1.18	1.21	1.22
State and local	1.26	1.27	1.29	1.30	1.30
State government	1.99	2.06	2.14	2.23	2.22
Local government	0.98	0.97	0.97	0.95	0.95
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 Bernalillo County (NM Base) 2013-2017					
	2013	2014	2015	2016	2017
NM Based					
By type					
Wage and salary employment	1.06	1.06	1.06	1.06	1.06
Proprietors employment	0.79	0.79	0.78	0.78	0.78
Farm proprietors employment	0.11	0.11	0.11	0.10	0.10
Nonfarm proprietors employment	0.86	0.86	0.85	0.85	0.84
By industry					
Farm employment	0.09	0.09	0.09	0.09	0.09
Nonfarm employment	1.03	1.02	1.02	1.03	1.02
Private nonfarm employment	1.05	1.05	1.05	1.05	1.05
Forestry, fishing, and related activities	0.14	0.14	0.14	0.13	0.14
Mining	0.12	0.11	0.12	0.14	0.14
Utilities	0.47	0.48	0.48	0.51	0.57
Construction	0.99	1.00	1.00	1.04	1.05
Manufacturing	1.06	1.09	1.09	1.12	1.11
Wholesale trade	1.26	1.23	1.24	1.30	1.32
Retail trade	0.99	0.99	0.98	0.97	0.97
Transportation and warehousing	0.93	0.90	0.90	0.94	0.93
Information	1.46	1.48	1.52	1.55	1.55
Finance and insurance	1.24	1.27	1.29	1.28	1.30
Real estate and rental and leasing	1.12	1.11	1.11	1.10	1.10
Professional, scientific, and technical services	1.30	1.32	1.31	1.31	1.31
Management of companies and enterprises	1.62	1.61	1.62	1.57	1.57
Administrative and waste management services	1.29	1.28	1.26	1.22	1.20
Educational services	1.28	1.27	1.23	1.18	1.16
Health care and social assistance	1.09	1.10	1.08	1.07	1.06
Arts, entertainment, and recreation	0.97	0.97	0.97	0.98	0.98
Accommodation and food services	1.00	1.00	1.01	0.98	0.98
Other services, except public administration	0.97	0.97	0.96	0.95	0.95
Government and government enterprises	0.92	0.92	0.92	0.92	0.93
Federal, civilian	1.23	1.23	1.24	1.22	1.23
Military	0.78	0.78	0.78	0.76	0.76
State and local	0.88	0.88	0.88	0.89	0.89
State government	1.08	1.09	1.11	1.15	1.16
Local government	0.77	0.76	0.75	0.74	0.74
Total employment	1.0	1.0	1.0	1.00	1.00

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

Table 3: Bernalillo County, Total Employment by Industry 2017		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	355480	83.31
Proprietors employment	71213	16.69
Farm proprietors employment	865	0.20
Nonfarm proprietors employment	70348	16.49
By industry		
Farm employment	1013	0.24
Nonfarm employment	425680	99.76
Private nonfarm employment	351124	82.29
Forestry, fishing, and related activities	298	0.07
Mining	1794	0.42
Utilities	1128	0.26
Construction	25451	5.96
Manufacturing	14320	3.36
Wholesale trade	12816	3.00
Retail trade	41969	9.84
Transportation and warehousing	9746	2.28
Information	9226	2.16
Finance and insurance	18510	4.34
Real estate and rental and leasing	17434	4.09
Professional, scientific, and technical services	40583	9.51
Management of companies and enterprises	3947	0.93
Administrative and waste management services	25689	6.02
Educational services	7685	1.80
Health care and social assistance	55262	12.95
Arts, entertainment, and recreation	9468	2.22
Accommodation and food services	35307	8.27
Other services, except public administration	20491	4.80
Government and government enterprises	74556	17.47
Federal, civilian	14004	3.28
Military	5108	1.20
State and local	55444	12.99
State government	25927	6.08
Local government	29517	6.92
Total employment	426,693	100.00

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

Table 4: Bernalillo County Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	338776	342176	346948	353793	355480
Proprietors employment	68106	68929	69312	69837	71213
Farm proprietors employment	876	874	867	862	865
Nonfarm proprietors employment 2/	67230	68055	68445	68975	70348
By industry					
Farm employment	1032	1012	1019	1032	1013
Nonfarm employment	405850	410093	415241	422598	425680
Private nonfarm employment	332328	337131	341788	347860	351124
Forestry, fishing, and related activities	279	291	292	297	298
Mining	1668	1557	1610	1704	1794
Utilities	819	835	854	964	1128
Construction	22159	22543	22865	24175	25451
Manufacturing	14178	14070	14257	14435	14320
Wholesale trade	12728	13482	13480	12772	12816
Retail trade	42276	42662	42894	42615	41969
Transportation and warehousing	8967	8852	9332	9691	9746
Information	8847	8834	9059	9626	9226
Finance and insurance	16472	16745	16975	17670	18510
Real estate and rental and leasing	16263	16425	16725	17060	17434
Professional, scientific, and technical services	37480	38173	38827	39447	40583
Management of companies and enterprises	3381	3450	3629	3864	3947
Administrative and waste management services	26707	26376	25553	25489	25689
Educational services	7946	8040	7951	7770	7685
Health care and social assistance	51226	52032	53577	55609	55262
Arts, entertainment, and recreation	8705	8879	8977	9158	9468
Accommodation and food services	32294	33621	34606	35113	35307
Other services, except public administration	19933	20264	20325	20401	20491
Government and government enterprises	73522	72962	73453	74738	74556
Federal, civilian	14095	13770	13788	13957	14004
Military	5449	5167	5043	5088	5108
State and local	53978	54025	54622	55693	55444
State government	23587	24266	24987	26148	25927
Local government	30391	29759	29635	29545	29517
Total employment	406,882	411,105	416,260	423,630	426,693

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

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	846,495	852,348	860,023	861,222	862,272
Proprietors employment	228,970	231,044	231,850	231,184	235,600
Farm proprietors employment	21,547	21,473	21,405	21,291	21,372
Nonfarm proprietors employment 2/	207,423	209,571	210,445	209,893	214,228
By industry					
Farm employment	29,208	28,262	28,866	29,641	28,633
Nonfarm employment	1,046,257	1,055,130	1,063,007	1,062,765	1,069,239
Private nonfarm employment	835,402	845,778	854,438	854,243	862,954
Forestry, fishing, and related activities	5,235	5,675	5,540	5,819	5,658
Mining	36,857	38,222	36,655	31,808	33,725
Utilities	4,652	4,591	4,684	4,900	5,099
Construction	59,142	59,584	59,709	60,012	62,633
Manufacturing	35,463	34,022	34,158	33,188	33,239
Wholesale trade	26,688	28,856	28,502	25,379	24,946
Retail trade	112,726	113,923	114,888	113,636	111,443
Transportation and warehousing	25,502	25,903	27,243	26,672	27,060
Information	16,059	15,725	15,588	16,001	15,339
Finance and insurance	35,010	34,783	34,461	35,684	36,737
Real estate and rental and leasing	38,414	39,111	39,660	39,866	40,634
Professional, scientific, and technical services	75,919	76,116	77,542	77,751	79,601
Management of companies and enterprises	5,502	5,631	5,877	6,337	6,449
Administrative and waste management services	54,597	54,370	52,998	53,887	55,307
Educational services	16,426	16,736	16,965	17,026	17,020
Health care and social assistance	123,737	124,796	129,720	134,269	134,712
Arts, entertainment, and recreation	23,734	24,225	24,245	24,151	24,831
Accommodation and food services	85,494	88,296	90,192	92,521	93,037
Other services, except public administration	54,245	55,213	55,811	55,336	55,484
Government and government enterprises	210,855	209,352	208,569	208,522	206,285
Federal, civilian	30,400	29,452	29,188	29,385	29,288
Military	18,350	17,518	16,923	17,159	17,348
State and local	162,105	162,382	162,458	161,978	159,649
State government	57,772	58,752	58,962	58,703	57,617
Local government	104,333	103,630	103,496	103,275	102,032
Total employment	1,075,465	1,083,392	1,091,873	1,092,406	1,097,872

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

Table 6: United States Employment by Industry 2013-2017

Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	141,932,000	144,722,000	147,635,000	149,904,000	151,825,000
Proprietors employment	40,393,100	41,513,800	42,682,800	43,464,900	44,307,200
Farm proprietors employment	1,856,000	1,842,000	1,832,000	1,823,000	1,812,000
Nonfarm proprietors employment 2/	38,537,100	39,671,800	40,850,800	41,641,900	42,495,200
By industry					
Farm employment	2,645,000	2,645,000	2,649,000	2,643,000	2,631,000
Nonfarm employment	179,680,100	183,590,800	187,668,800	190,725,900	193,501,200
Private nonfarm employment	155,625,100	159,536,800	163,523,800	166,427,900	169,096,200
Forestry, fishing, and related activities	909,100	941,000	915,900	935,200	926,400
Mining	1,607,000	1,597,500	1,553,300	1,452,200	1,511,100
Utilities	578,300	580,600	597,400	622,000	663,500
Construction	9,237,800	9,564,300	9,844,900	10,322,100	10,634,600
Manufacturing	12,761,200	12,908,600	13,076,600	13,131,900	13,304,800
Wholesale trade	6,343,100	6,720,600	6,819,100	6,464,400	6,478,900
Retail trade	18,369,100	18,713,100	19,095,300	19,199,500	19,222,200
Transportation and warehousing	6,012,800	6,282,400	6,929,700	7,413,200	7,663,800
Information	3,264,600	3,327,000	3,316,400	3,384,900	3,384,400
Finance and insurance	9,815,300	9,621,000	9,844,600	10,187,400	10,510,200
Real estate and rental and leasing	8,056,800	8,405,800	8,668,300	8,868,200	9,105,900
Professional, scientific, and technical services	12,544,300	12,864,700	13,333,200	13,496,900	13,721,000
Management of companies and enterprises	2,265,000	2,360,300	2,425,500	2,603,800	2,667,400
Administrative and waste management services	11,366,900	11,719,200	11,770,600	12,033,600	12,088,500
Educational services	4,339,100	4,498,100	4,610,900	4,641,800	4,691,200
Health care and social assistance	20,499,200	20,798,400	21,351,100	21,817,100	22,201,200
Arts, entertainment, and recreation	4,043,800	4,223,300	4,220,100	4,363,100	4,455,500
Accommodation and food services	13,099,200	13,548,900	13,977,700	14,399,000	14,697,400
Other services, except public administration	10,512,500	10,862,000	11,173,200	11,091,600	11,168,200
Government and government enterprises	24,055,000	24,054,000	24,145,000	24,298,000	24,405,000
Federal, civilian	2,826,000	2,792,000	2,810,000	2,847,000	2,857,000
Military	2,032,000	1,975,000	1,956,000	1,927,000	1,929,000
State and local	19,197,000	19,287,000	19,379,000	19,524,000	19,619,000
State government	5,306,000	5,330,000	5,349,000	5,351,000	5,365,000
Local government	13,891,000	13,957,000	14,030,000	14,173,000	14,254,000
Total employment	182,325,100	186,235,800	190,317,800	193,368,900	196,132,200

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

Table 7: Bernalillo County, New Mexico and United States Percent of Employment by Industry 2017

	United States	New Mexico	Bernalillo County
By type			
Wage and salary employment	77.41	78.54	83.31
Proprietors employment	22.59	21.46	16.69
Farm proprietors employment	0.92	1.95	0.20
Nonfarm proprietors employment	21.67	19.51	16.49
By industry			
Farm employment	1.34	2.61	0.24
Nonfarm employment	98.66	97.39	99.76
Private nonfarm employment	86.22	78.60	82.29
Forestry, fishing, and related activities	0.47	0.52	0.07
Mining	0.77	3.07	0.42
Utilities	0.34	0.46	0.26
Construction	5.42	5.70	5.96
Manufacturing	6.78	3.03	3.36
Wholesale trade	3.30	2.27	3.00
Retail trade	9.80	10.15	9.84
Transportation and warehousing	3.91	2.46	2.28
Information	1.73	1.40	2.16
Finance and insurance	5.36	3.35	4.34
Real estate and rental and leasing	4.64	3.70	4.09
Professional, scientific, and technical services	7.00	7.25	9.51
Management of companies and enterprises	1.36	0.59	0.93
Administrative and waste management services	6.16	5.04	6.02
Educational services	2.39	1.55	1.80
Health care and social assistance	11.32	12.27	12.95
Arts, entertainment, and recreation	2.27	2.26	2.22
Accommodation and food services	7.49	8.47	8.27
Other services, except public administration	5.69	5.05	4.80
Government and government enterprises	12.44	18.79	17.47
Federal, civilian	1.46	2.67	3.28
Military	0.98	1.58	1.20
State and local	10.00	14.54	12.99
State government	2.74	5.25	6.08
Local government	7.27	9.29	6.92
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: Bernalillo County Percent of Employment by Sectors 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	83.26	83.23	83.35	83.51	83.31
Proprietors employment	16.74	16.77	16.65	16.49	16.69
Farm proprietors employment	0.22	0.21	0.21	0.20	0.20
Nonfarm proprietors employment	16.52	16.55	16.44	16.28	16.49
By industry					
Farm employment	0.25	0.25	0.24	0.24	0.24
Nonfarm employment	99.75	99.75	99.76	99.76	99.76
Private nonfarm employment	81.68	82.01	82.11	82.11	82.29
Forestry, fishing, and related activities	0.07	0.07	0.07	0.07	0.07
Mining	0.41	0.38	0.39	0.40	0.42
Utilities	0.20	0.20	0.21	0.23	0.26
Construction	5.45	5.48	5.49	5.71	5.96
Manufacturing	3.48	3.42	3.43	3.41	3.36
Wholesale trade	3.13	3.28	3.24	3.01	3.00
Retail trade	10.39	10.38	10.30	10.06	9.84
Transportation and warehousing	2.20	2.15	2.24	2.29	2.28
Information	2.17	2.15	2.18	2.27	2.16
Finance and insurance	4.05	4.07	4.08	4.17	4.34
Real estate and rental and leasing	4.00	4.00	4.02	4.03	4.09
Professional, scientific, and technical services	9.21	9.29	9.33	9.31	9.51
Management of companies and enterprises	0.83	0.84	0.87	0.91	0.93
Administrative and waste management services	6.56	6.42	6.14	6.02	6.02
Educational services	1.95	1.96	1.91	1.83	1.80
Health care and social assistance	12.59	12.66	12.87	13.13	12.95
Arts, entertainment, and recreation	2.14	2.16	2.16	2.16	2.22
Accommodation and food services	7.94	8.18	8.31	8.29	8.27
Other services, except public administration	4.90	4.93	4.88	4.82	4.80
Government and government enterprises	18.07	17.75	17.65	17.64	17.47
Federal, civilian	3.46	3.35	3.31	3.29	3.28
Military	1.34	1.26	1.21	1.20	1.20
State and local	13.27	13.14	13.12	13.15	12.99
State government	5.80	5.90	6.00	6.17	6.08
Local government	7.47	7.24	7.12	6.97	6.92
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 calculation

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