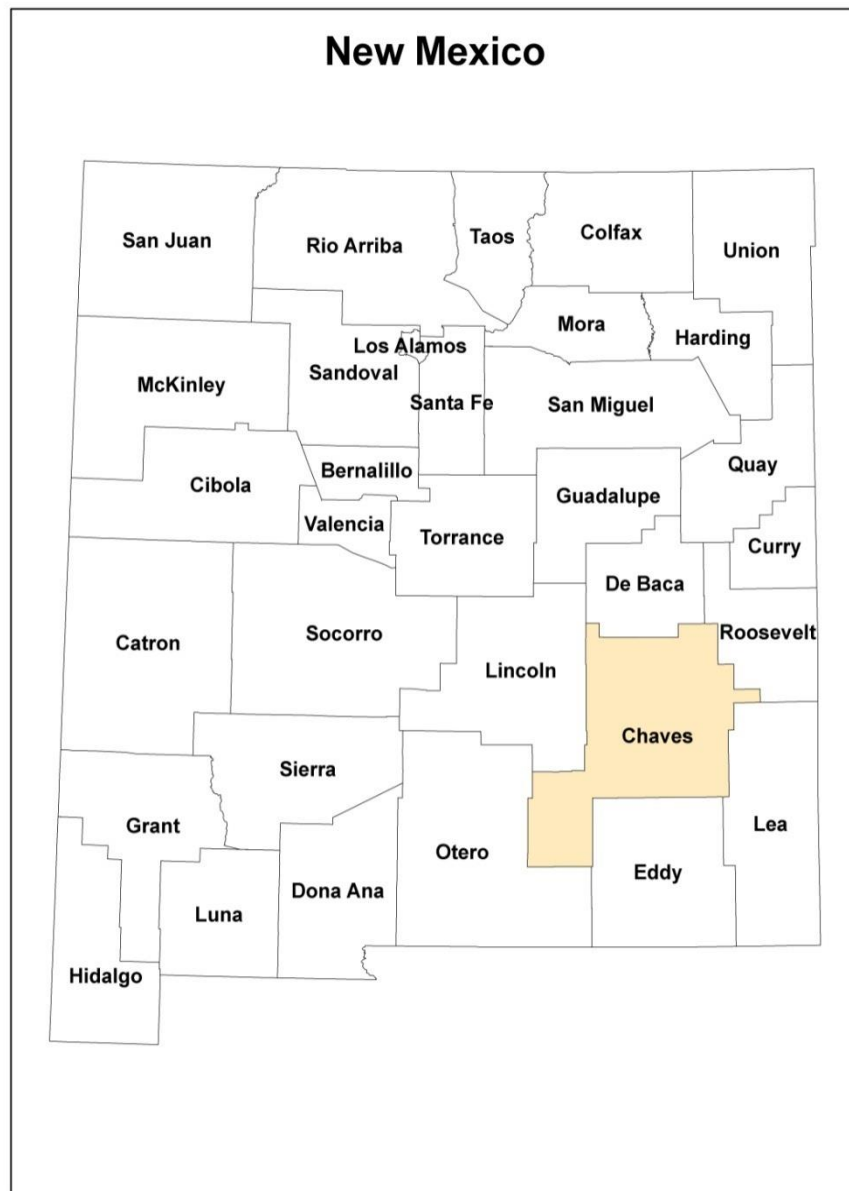


The Economic Base of Chaves County, NM

**PREPARED BY: Arrowhead Center,
New Mexico State University**

DATE: July 2020



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Introduction

This report is one of 35 economic base studies prepared by 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, a graduate student in the NMSU Doctorate in Economic Development program, did much of the work on the updates. Comments and suggestions are welcome and are to be sent to jpeach@nmsu.edu. Our intent is to update these reports on an annual basis.

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

The specific purposes of economic base studies include:

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

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

An industry classified as basic in one region may be identified as non-basic in another region. One common means of identifying local basic activity is through the use of location quotients (LQs). LQs are calculated as a single industry's percent of total local employment divided by that industry's percent of total state or national employment. For example, an LQ for a single New Mexico industry (industry j) may be calculated as follows:

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

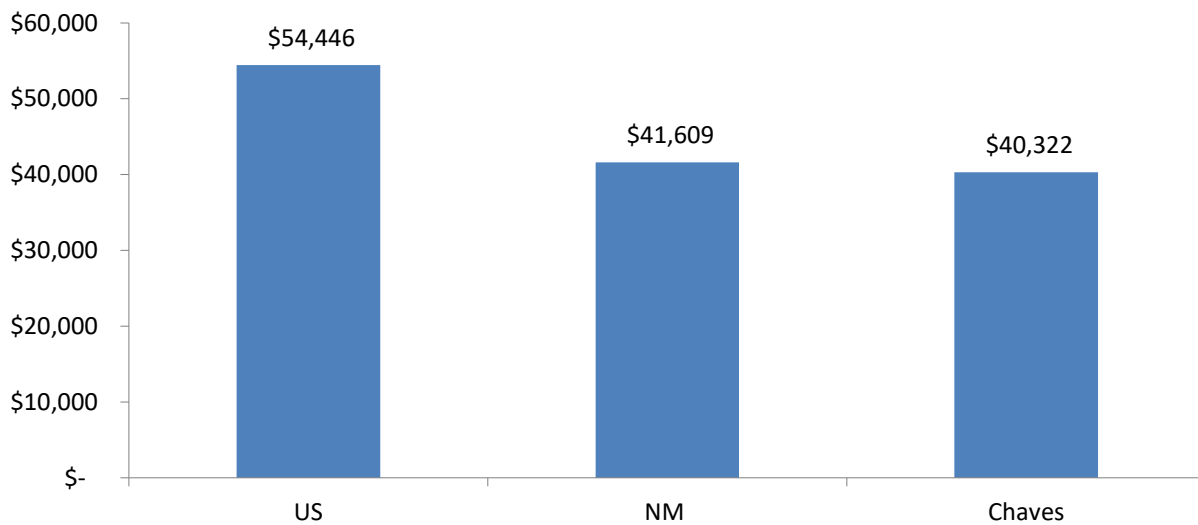
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. An LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national level. Conversely, an LQ of less than 1.0 indicates that the industry of note employs fewer workers locally as compared to the state or national average. For additional information on LQs, see <http://arrowheadcenter.nmsu.edu/wp-content/uploads/2015/06/WhatisaLocationQuotient.pdf>.

In this report, LQs are calculated for industries within Chaves County with national employment as the basis for comparison (see Table 1). Additionally, LQs using employment for the state of New Mexico as the benchmark are included (see Table 2). For the purposes of this report, basic industries are identified using general knowledge about the structure of the local economy combined with LQs greater than 1.0. LQs are described for the most recent year for which data were available and the preceding years (2014-2018). 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.

Chaves County, New Mexico

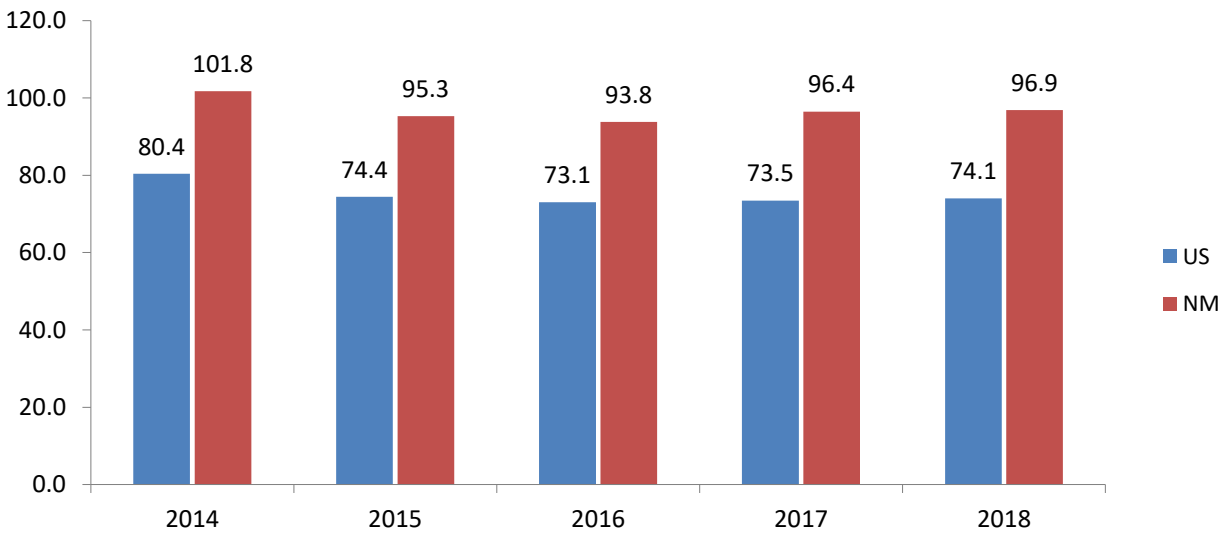
Chaves County is located in south central New Mexico and contains 6,065.28 square miles, or 5.0 percent of the land area in New Mexico. The population of Chaves County (64,689) in 2018 was 3.09 percent of the state total, ranking tenth among New Mexico's counties in terms of population. The City of Roswell, with a population of 48,186 in 2018, contained 74.5 percent of Chaves County's population (U.S Census Bureau, 2018). Between 2014 and 2018, Chaves County's population decreased by 1.81 percent from a population of 65,880 in 2014 to 64,689 in 2018, whereas the New Mexico and the U.S. population increased by 0.24 percent and 2.76 percent, respectively.

Figure 1. Per Capita Personal Income: Chaves (2018)



Per capita personal income in Chaves County in 2018 was \$40,322. Per capita income for Chaves County in 2018 was 96.91 percent of per capita income in the state of New Mexico (\$41,609) and 74.06 percent of per capita income in the nation (\$54,446) (See Figure 1 and 2). The growth rate of per capita income in Chaves County between 2014 and 2018 was 6.57 percent, lower than the state growth rate of 11.91 percent and the nation's 15.70 percent growth rate.

Figure 2. Per Capita Income of Chaves as a Percent of U.S. and New Mexico (2014-2018)



The total number of jobs in Chaves County in 2018 was 29,353. Between 2014 and 2018, total employment in Chaves County increased by 0.24 percent, while the state had an increase in growth of 2.93 percent and the nation had a growth of 7.79 percent. The Chaves County employment to population ratio was 0.45, while the state and national ratios were (0.53) and (0.61), respectively.

In 2018, 80.16 percent of total employment in Chaves County were employed in the private sector, while Government and Government Enterprises accounted for 15.29 percent. Farm employment accounted for 4.55 percent of the total employment in the county. The industries with the highest percentages of total employment in 2018 included: Healthcare and Social Assistance (13.58), Retail Trade (12.06), and Accommodation and Food Services (10.19). In the public sector, State and Local government were the largest employers with 8.41 percent employed in Local government and 5.48 percent employed in State government. Federal/civilian and Military employment accounted for 0.82 percent and 0.58 percent of the total, respectively. Chaves County employment by sector for 2018 is displayed in Table 1.

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

Table 2 contains LQs for Chaves County from 2014 to 2018 calculated using data for the United States as the basis of comparison. Table 3 contains LQs for Chaves County from 2014 to 2018 calculated with respect to the state of New Mexico. For the purposes of this report, an LQ

greater than 1.0 with respect to the U.S. employment is considered as a basic industry. The sectors with an LQ greater than 1.0 have been shaded.

Mining, as part of the private sector, has an LQ of 9.40 and 1,860 jobs. Chaves County's Mining industry contains a large share of the overall oil and gas production within the state of New Mexico. Additionally, the level of specialization for the Agricultural sector is present. The Agricultural sector here is defined to include: Farm employment with an LQ of 3.51 and Forestry, Fishing, and Related Activities with an LQ of 1.45 in 2018. In combination, these sectors accounted for 1,542 total jobs in 2018. Accommodation and Food Services had an LQ of 1.36 and accounted for 2,992 jobs.

The other sectors with LQs above 1.0 included Retail Trade (1.25), Healthcare and Social Assistance (1.21), and Wholesale Trade (1.03). However, these industries in Chaves County are considered non-basic or support activities given that no export product or services takes place outside the county.

For the public sector, the entry labeled Government and Government Enterprises is the aggregate figure of all government levels listed as government categories. Government sectors with LQs greater than 1.0 in 2018 include State government (2.04) and Local government (1.17). Combined, State and Local government accounted for 13.90 percent of total employment in 2018.

Local government is generally categorized as non-basic given that local governments collect taxes from residents to provide for the services to the community, including employment. Following this practice, Local government for Chaves County will be considered as a non-basic industry.

In brief, the data and analysis suggest that for 2018 the following industries should be considered basic industries in Chaves County:

1. Mining, accounted for 1,860 jobs.
2. Agricultural sector including Farm employment with 1,336 and 206 jobs in the Forestry, Fishing, and Related Activities, accounted for 1,542 jobs.
3. Accommodation and Food Services, accounted for 2,992 jobs.
4. State government employment, accounted for 1,610 jobs.

It is common in economic base studies to calculate an export-base employment multiplier. This employment multiplier is obtained by dividing total employment by total employment in the basic sectors. In the case of Chaves County, the multiplier is equal to 3.67 (29,353/8,004). This ratio suggests that the addition of each basic sector job in Chaves County would be associated with additional 3.67 non-basic sector jobs. The export base multiplier (3.67) calculated above reinforces the importance of basic (exporting) industries to the economy of Chaves County. In general terms, this employment multiplier is not to be compared to employment multipliers included in economic impact analysis tools including RIMS, REMI, and IMPLAN. In the case of Chaves County, potential for double counting occupations may result in an upward bias of the multiplier given that farm proprietors often have more than one occupation.

Local economic development policy actions such as the creation of industrial parks, tax abatement and financing, and workforce development projects are often used by local communities to expand an area's economic base. The development of a community economic development plan is to include the appropriate combination of policies, which often result from public and private sector interaction.

Changes from Prior Year

This document has been revised to reflect data figures obtained from the BEA for the economic data and the U.S. Census Bureau for population data. Between 2017 and 2018 the population of Chaves County decreased by 0.71 percent, from 65,153 in 2017 to 64,689 in 2018. Per capita income increased by 5.78 percent between 2017 and 2018, from \$38,118 in 2017 to \$40,332 in 2018. Total employment increased by 0.54 percent with 159 new jobs from 2017 to 2018.

Tables 1 to 10 appear on pages 7-16

Table 1: Chaves Employment by Industry 2014-2018					
Number of jobs by industry	2014	2015	2016	2017	2018
By type					
Wage and salary employment	22176	22700	22822	22189	22241
Proprietors employment	7107	7161	7195	7005	7112
Farm proprietors employment	510	523	522	527	521
Nonfarm proprietors employment 2/	6597	6638	6673	6478	6591
By industry					
Farm employment	1255	1340	1437	1350	1336
Nonfarm employment	28028	28521	28580	27844	28017
Private nonfarm employment	23593	24111	24025	23346	23528
Forestry, fishing, and related activities	206	210	206	213	206
Mining	2132	2191	2129	1883	1860
Utilities	75	72	68	65	67
Construction	1290	1272	1266	1244	1254
Manufacturing	1056	1123	982	964	968
Wholesale trade	1022	1089	1041	988	971
Retail trade	3711	3750	3706	3538	3540
Transportation and warehousing	1013	1055	1108	1099	1200
Information	318	304	330	294	306
Finance and insurance	1037	946	983	936	921
Real estate and rental and leasing	841	868	893	873	901
Professional, scientific, and technical services	1042	1052	970	1010	1030
Management of companies and enterprises	61	76	71	73	77
Administrative and waste management services	1130	1186	1216	1202	1108
Educational services	212	201	190	188	183
Health care and social assistance	3707	3792	3900	3917	3986
Arts, entertainment, and recreation	352	365	349	370	373
Accommodation and food services	2808	2870	3017	2927	2992
Other services, except public administration	1580	1689	1600	1562	1585
Government and government enterprises	4435	4410	4555	4498	4489
Federal, civilian	252	237	242	236	241
Military	180	173	176	175	169
State and local	4003	4000	4137	4087	4079
State government	1523	1496	1623	1601	1610
Local government	2480	2504	2514	2486	2469
Total employment	29,283	29,861	30,017	29,194	29,353

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

Table 2: Location Quotients for Chaves (US Base) 2014-2018					
US Base	2014	2015	2016	2017	2018
By type					
Wage and salary employment	0.97	0.98	0.98	0.99	0.99
Proprietors employment	1.09	1.07	1.07	1.05	1.05
Farm proprietors employment	1.76	1.82	1.85	1.97	1.99
Nonfarm proprietors employment	1.06	1.04	1.03	1.01	1.01
By industry					
Farm employment	3.02	3.23	3.51	3.47	3.51
Nonfarm employment	0.97	0.97	0.97	0.97	0.97
Private nonfarm employment	0.94	0.94	0.93	0.93	0.93
Forestry, fishing, and related activities	1.39	1.46	1.42	1.53	1.45
Mining	8.49	8.99	9.44	9.61	9.40
Utilities	0.82	0.77	0.70	0.74	0.78
Construction	0.86	0.82	0.79	0.79	0.78
Manufacturing	0.52	0.55	0.48	0.49	0.49
Wholesale trade	0.97	1.02	1.04	1.03	1.03
Retail trade	1.26	1.25	1.24	1.23	1.25
Transportation and warehousing	1.03	0.97	0.96	0.87	0.88
Information	0.61	0.58	0.63	0.58	0.60
Finance and insurance	0.69	0.61	0.62	0.62	0.61
Real estate and rental and leasing	0.64	0.64	0.65	0.64	0.65
Professional, scientific, and technical services	0.52	0.50	0.46	0.49	0.50
Management of companies and enterprises	0.16	0.20	0.18	0.19	0.20
Administrative and waste management services	0.61	0.64	0.65	0.66	0.61
Educational services	0.30	0.28	0.26	0.27	0.26
Health care and social assistance	1.13	1.13	1.15	1.19	1.21
Arts, entertainment, and recreation	0.53	0.55	0.52	0.55	0.54
Accommodation and food services	1.32	1.31	1.35	1.33	1.36
Other services, except public administration	0.93	0.96	0.93	0.95	0.96
Government and government enterprises	1.17	1.16	1.21	1.24	1.25
Federal, civilian	0.57	0.54	0.55	0.56	0.58
Military	0.58	0.56	0.59	0.61	0.60
State and local	1.32	1.32	1.36	1.40	1.41
State government	1.82	1.78	1.95	2.01	2.04
Local government	1.13	1.14	1.14	1.18	1.17
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: Location Quotients for Chaves (NM Base) 2014-2018					
NM Based	2014	2015	2016	2017	2018
By type					
Wage and salary employment	0.96	0.97	0.96	0.97	0.97
Proprietors employment	1.14	1.13	1.13	1.12	1.13
Farm proprietors employment	0.88	0.89	0.88	0.92	0.93
Nonfarm proprietors employment	1.16	1.15	1.16	1.14	1.15
By industry					
Farm employment	1.64	1.69	1.75	1.75	1.77
Nonfarm employment	0.98	0.98	0.98	0.98	0.98
Private nonfarm employment	1.03	1.03	1.02	1.02	1.01
Forestry, fishing, and related activities	1.34	1.39	1.29	1.34	1.27
Mining	2.06	2.19	2.44	2.27	2.05
Utilities	0.60	0.56	0.51	0.53	0.56
Construction	0.80	0.78	0.77	0.75	0.74
Manufacturing	1.15	1.20	1.08	1.11	1.10
Wholesale trade	1.31	1.40	1.49	1.49	1.50
Retail trade	1.21	1.19	1.19	1.19	1.20
Transportation and warehousing	1.45	1.42	1.51	1.38	1.39
Information	0.75	0.71	0.75	0.71	0.76
Finance and insurance	1.10	1.00	1.00	0.99	0.97
Real estate and rental and leasing	0.80	0.80	0.82	0.81	0.82
Professional, scientific, and technical services	0.51	0.50	0.45	0.48	0.48
Management of companies and enterprises	0.40	0.47	0.41	0.45	0.45
Administrative and waste management services	0.77	0.82	0.82	0.80	0.73
Educational services	0.47	0.43	0.41	0.41	0.41
Health care and social assistance	1.10	1.07	1.06	1.09	1.12
Arts, entertainment, and recreation	0.54	0.55	0.53	0.55	0.55
Accommodation and food services	1.18	1.16	1.19	1.18	1.19
Other services, except public administration	1.06	1.11	1.05	1.07	1.07
Government and government enterprises	0.78	0.77	0.80	0.82	0.83
Federal, civilian	0.32	0.30	0.30	0.30	0.32
Military	0.37	0.38	0.37	0.38	0.37
State and local	0.91	0.90	0.93	0.96	0.97
State government	0.96	0.93	1.01	1.05	1.07
Local government	0.89	0.88	0.89	0.92	0.92
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 4: Chaves, Total Employment by Industry 2018		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	22,241	75.77
Proprietors employment	7,112	24.23
Farm proprietors employment	521	1.77
Nonfarm proprietors employment	6,591	22.45
By industry		
Farm employment	1,336	4.55
Nonfarm employment	28,017	95.45
Private nonfarm employment	23,528	80.16
Forestry, fishing, and related activities	206	0.70
Mining	1,860	6.34
Utilities	67	0.23
Construction	1,254	4.27
Manufacturing	968	3.30
Wholesale trade	971	3.31
Retail trade	3,540	12.06
Transportation and warehousing	1,200	4.09
Information	306	1.04
Finance and insurance	921	3.14
Real estate and rental and leasing	901	3.07
Professional, scientific, and technical services	1,030	3.51
Management of companies and enterprises	77	0.26
Administrative and waste management services	1,108	3.77
Educational services	183	0.62
Health care and social assistance	3,986	13.58
Arts, entertainment, and recreation	373	1.27
Accommodation and food services	2,992	10.19
Other services, except public administration	1,585	5.40
Government and government enterprises	4,489	15.29
Federal, civilian	241	0.82
Military	169	0.58
State and local	4,079	13.90
State government	1,610	5.48
Local government	2,469	8.41
Total employment	29,353	100.00

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

Table 5: New Mexico Employment by Industry 2014-2018					
Number of jobs by industry	2014	2015	2016	2017	2018
By type					
Wage and salary employment	852,638	859,962	861,216	862,809	875,574
Proprietors employment	231,134	232,022	231,421	234,860	240,000
Farm proprietors employment	21,557	21,579	21,534	21,511	21,243
Nonfarm proprietors employment 2/	209,577	210,443	209,887	213,349	218,757
By industry					
Farm employment	28,346	29,040	29,884	29,031	28,687
Nonfarm employment	1,055,426	1,062,944	1,062,753	1,068,638	1,086,887
Private nonfarm employment	845,767	854,456	854,248	862,552	881,228
Forestry, fishing, and related activities	5,674	5,541	5,820	5,989	6,157
Mining	38,214	36,656	31,809	31,204	34,490
Utilities	4,591	4,684	4,900	4,623	4,576
Construction	59,584	59,707	60,008	62,061	64,328
Manufacturing	34,027	34,157	33,187	32,562	33,596
Wholesale trade	28,854	28,501	25,380	24,989	24,563
Retail trade	113,924	114,887	113,636	111,466	111,663
Transportation and warehousing	25,905	27,245	26,673	30,016	32,916
Information	15,725	15,587	16,001	15,491	15,297
Finance and insurance	34,781	34,461	35,685	35,674	36,018
Real estate and rental and leasing	39,111	39,659	39,865	40,497	41,842
Professional, scientific, and technical services	76,116	77,543	77,750	79,918	81,618
Management of companies and enterprises	5,632	5,875	6,336	6,143	6,488
Administrative and waste management services	54,370	52,996	53,892	56,396	57,515
Educational services	16,709	16,959	17,013	17,048	17,004
Health care and social assistance	124,796	129,722	134,264	134,791	135,667
Arts, entertainment, and recreation	24,227	24,245	24,150	25,154	26,008
Accommodation and food services	88,297	90,194	92,523	93,512	95,173
Other services, except public administration	55,230	55,837	55,356	55,018	56,309
Government and government enterprises	209,659	208,488	208,505	206,086	205,659
Federal, civilian	29,451	29,188	29,385	29,281	28,881
Military	17,809	16,837	17,132	17,346	17,588
State and local	162,399	162,463	161,988	159,459	159,190
State government	58,771	58,969	58,707	57,448	57,079
Local government	103,628	103,494	103,281	102,011	102,111
Total employment	1,083,772	1,091,984	1,092,637	1,097,669	1,115,574

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

Table 6: United States Employment by Industry 2014-2018					
Number of jobs by industry	2014	2015	2016	2017	2018
By type					
Wage and salary employment	144,722,000	147,636,000	149,912,000	151,860,000	154,375,000
Proprietors employment	41,511,800	42,679,800	43,459,900	44,965,300	46,371,000
Farm proprietors employment	1,840,000	1,829,000	1,818,000	1,802,000	1,790,000
Nonfarm proprietors employment	39,671,800	40,850,800	41,641,900	43,163,300	44,581,000
By industry					
Farm employment	2,643,000	2,646,000	2,638,000	2,621,000	2,604,000
Nonfarm employment	183,590,800	187,669,800	190,733,900	194,204,300	198,142,000
Private nonfarm employment	159,535,800	163,523,800	166,428,900	169,778,300	173,599,000
Forestry, fishing, and related activities	941,000	915,900	935,200	938,300	969,400
Mining	1,597,500	1,553,300	1,452,200	1,320,900	1,353,700
Utilities	580,600	597,400	622,000	590,800	589,700
Construction	9,564,300	9,844,900	10,322,100	10,557,000	10,973,300
Manufacturing	12,907,600	13,076,600	13,131,900	13,235,200	13,501,300
Wholesale trade	6,719,600	6,817,100	6,463,400	6,492,900	6,422,200
Retail trade	18,713,100	19,092,300	19,195,500	19,345,100	19,307,500
Transportation and warehousing	6,282,400	6,932,700	7,418,200	8,520,900	9,364,300
Information	3,327,000	3,316,400	3,384,900	3,404,500	3,460,100
Finance and insurance	9,621,000	9,845,600	10,188,400	10,250,300	10,394,600
Real estate and rental and leasing	8,405,800	8,668,300	8,868,200	9,203,700	9,504,800
Professional, scientific, and technical services	12,864,700	13,333,200	13,496,900	13,848,200	14,203,900
Management of companies and enterprises	2,361,300	2,425,500	2,603,800	2,568,700	2,669,500
Administrative and waste management services	11,719,200	11,770,600	12,034,600	12,212,600	12,472,900
Educational services	4,498,100	4,610,900	4,641,800	4,702,400	4,771,700
Health care and social assistance	20,798,400	21,351,100	21,816,100	22,214,300	22,619,800
Arts, entertainment, and recreation	4,223,300	4,220,100	4,363,100	4,518,600	4,684,900
Accommodation and food services	13,548,900	13,977,700	14,399,000	14,788,400	15,077,500
Other services, except public administration	10,862,000	11,174,200	11,091,600	11,065,500	11,257,900
Government and government enterprises	24,055,000	24,146,000	24,305,000	24,426,000	24,543,000
Federal, civilian	2,792,000	2,810,000	2,847,000	2,857,000	2,849,000
Military	1,975,000	1,957,000	1,928,000	1,929,000	1,922,000
State and local	19,288,000	19,379,000	19,530,000	19,640,000	19,772,000
State government	5,330,000	5,349,000	5,356,000	5,383,000	5,395,000
Local government	13,958,000	14,030,000	14,174,000	14,257,000	14,377,000
Total employment	186,233,800	190,315,800	193,371,900	196,825,300	200,746,000

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

Table 7: Chaves, New Mexico and United States Percent of Employment by Industry 2018			
	United States	New Mexico	Chaves
By type			
Wage and salary employment	76.90	78.49	75.77
Proprietors employment	23.10	21.51	24.23
Farm proprietors employment	0.89	1.90	1.77
Nonfarm proprietors employment	22.21	19.61	22.45
By industry			
Farm employment	1.30	2.57	4.55
Nonfarm employment	98.70	97.43	95.45
Private nonfarm employment	86.48	78.99	80.16
Forestry, fishing, and related activities	0.48	0.55	0.70
Mining	0.67	3.09	6.34
Utilities	0.29	0.41	0.23
Construction	5.47	5.77	4.27
Manufacturing	6.73	3.01	3.30
Wholesale trade	3.20	2.20	3.31
Retail trade	9.62	10.01	12.06
Transportation and warehousing	4.66	2.95	4.09
Information	1.72	1.37	1.04
Finance and insurance	5.18	3.23	3.14
Real estate and rental and leasing	4.73	3.75	3.07
Professional, scientific, and technical services	7.08	7.32	3.51
Management of companies and enterprises	1.33	0.58	0.26
Administrative and waste management services	6.21	5.16	3.77
Educational services	2.38	1.52	0.62
Health care and social assistance	11.27	12.16	13.58
Arts, entertainment, and recreation	2.33	2.33	1.27
Accommodation and food services	7.51	8.53	10.19
Other services, except public administration	5.61	5.05	5.40
Government and government enterprises	12.23	18.44	15.29
Federal, civilian	1.42	2.59	0.82
Military	0.96	1.58	0.58
State and local	9.85	14.27	13.90
State government	2.69	5.12	5.48
Local government	7.16	9.15	8.41
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: Chaves Percent of Employment by Sectors 2014-2018					
Description	2014	2015	2016	2017	2018
By type					
Wage and salary employment	75.73	76.02	76.03	76.01	75.77
Proprietors employment	24.27	23.98	23.97	23.99	24.23
Farm proprietors employment	1.74	1.75	1.74	1.81	1.77
Nonfarm proprietors employment	22.53	22.23	22.23	22.19	22.45
By industry					
Farm employment	4.29	4.49	4.79	4.62	4.55
Nonfarm employment	95.71	95.51	95.21	95.38	95.45
Private nonfarm employment	80.57	80.74	80.04	79.97	80.16
Forestry, fishing, and related activities	0.70	0.70	0.69	0.73	0.70
Mining	7.28	7.34	7.09	6.45	6.34
Utilities	0.26	0.24	0.23	0.22	0.23
Construction	4.41	4.26	4.22	4.26	4.27
Manufacturing	3.61	3.76	3.27	3.30	3.30
Wholesale trade	3.49	3.65	3.47	3.38	3.31
Retail trade	12.67	12.56	12.35	12.12	12.06
Transportation and warehousing	3.46	3.53	3.69	3.76	4.09
Information	1.09	1.02	1.10	1.01	1.04
Finance and insurance	3.54	3.17	3.27	3.21	3.14
Real estate and rental and leasing	2.87	2.91	2.97	2.99	3.07
Professional, scientific, and technical services	3.56	3.52	3.23	3.46	3.51
Management of companies and enterprises	0.21	0.25	0.24	0.25	0.26
Administrative and waste management services	3.86	3.97	4.05	4.12	3.77
Educational services	0.72	0.67	0.63	0.64	0.62
Health care and social assistance	12.66	12.70	12.99	13.42	13.58
Arts, entertainment, and recreation	1.20	1.22	1.16	1.27	1.27
Accommodation and food services	9.59	9.61	10.05	10.03	10.19
Other services, except public administration	5.40	5.66	5.33	5.35	5.40
Government and government enterprises	15.15	14.77	15.17	15.41	15.29
Federal, civilian	0.86	0.79	0.81	0.81	0.82
Military	0.61	0.58	0.59	0.60	0.58
State and local	13.67	13.40	13.78	14.00	13.90
State government	5.20	5.01	5.41	5.48	5.48
Local government	8.47	8.39	8.38	8.52	8.41
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 2014-2018					
Description	2014	2015	2016	2017	2018
By type					
Wage and salary employment	78.67	78.75	78.82	78.60	78.49
Proprietors employment	21.33	21.25	21.18	21.40	21.51
Farm proprietors employment	1.99	1.98	1.97	1.96	1.90
Nonfarm proprietors employment	19.34	19.27	19.21	19.44	19.61
By industry					
Farm employment	2.62	2.66	2.74	2.64	2.57
Nonfarm employment	97.38	97.34	97.26	97.36	97.43
Private nonfarm employment	78.04	78.25	78.18	78.58	78.99
Forestry, fishing, and related activities	0.52	0.51	0.53	0.55	0.55
Mining	3.53	3.36	2.91	2.84	3.09
Utilities	0.42	0.43	0.45	0.42	0.41
Construction	5.50	5.47	5.49	5.65	5.77
Manufacturing	3.14	3.13	3.04	2.97	3.01
Wholesale trade	2.66	2.61	2.32	2.28	2.20
Retail trade	10.51	10.52	10.40	10.15	10.01
Transportation and warehousing	2.39	2.49	2.44	2.73	2.95
Information	1.45	1.43	1.46	1.41	1.37
Finance and insurance	3.21	3.16	3.27	3.25	3.23
Real estate and rental and leasing	3.61	3.63	3.65	3.69	3.75
Professional, scientific, and technical services	7.02	7.10	7.12	7.28	7.32
Management of companies and enterprises	0.52	0.54	0.58	0.56	0.58
Administrative and waste management services	5.02	4.85	4.93	5.14	5.16
Educational services	1.54	1.55	1.56	1.55	1.52
Health care and social assistance	11.51	11.88	12.29	12.28	12.16
Arts, entertainment, and recreation	2.24	2.22	2.21	2.29	2.33
Accommodation and food services	8.15	8.26	8.47	8.52	8.53
Other services, except public administration	5.10	5.11	5.07	5.01	5.05
Government and government enterprises	19.35	19.09	19.08	18.77	18.44
Federal, civilian	2.72	2.67	2.69	2.67	2.59
Military	1.64	1.54	1.57	1.58	1.58
State and local	14.98	14.88	14.83	14.53	14.27
State government	5.42	5.40	5.37	5.23	5.12
Local government	9.56	9.48	9.45	9.29	9.15
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 2014-2018					
Description	2014	2015	2016	2017	2018
By type					
Wage and salary employment	77.71	77.57	77.53	77.15	76.90
Proprietors employment	22.29	22.43	22.47	22.85	23.10
Farm proprietors employment	0.99	0.96	0.94	0.92	0.89
Nonfarm proprietors employment	21.30	21.46	21.53	21.93	22.21
By industry					
Farm employment	1.42	1.39	1.36	1.33	1.30
Nonfarm employment	98.58	98.61	98.64	98.67	98.70
Private nonfarm employment	85.66	85.92	86.07	86.26	86.48
Forestry, fishing, and related activities	0.51	0.48	0.48	0.48	0.48
Mining	0.86	0.82	0.75	0.67	0.67
Utilities	0.31	0.31	0.32	0.30	0.29
Construction	5.14	5.17	5.34	5.36	5.47
Manufacturing	6.93	6.87	6.79	6.72	6.73
Wholesale trade	3.61	3.58	3.34	3.30	3.20
Retail trade	10.05	10.03	9.93	9.83	9.62
Transportation and warehousing	3.37	3.64	3.84	4.33	4.66
Information	1.79	1.74	1.75	1.73	1.72
Finance and insurance	5.17	5.17	5.27	5.21	5.18
Real estate and rental and leasing	4.51	4.55	4.59	4.68	4.73
Professional, scientific, and technical services	6.91	7.01	6.98	7.04	7.08
Management of companies and enterprises	1.27	1.27	1.35	1.31	1.33
Administrative and waste management services	6.29	6.18	6.22	6.20	6.21
Educational services	2.42	2.42	2.40	2.39	2.38
Health care and social assistance	11.17	11.22	11.28	11.29	11.27
Arts, entertainment, and recreation	2.27	2.22	2.26	2.30	2.33
Accommodation and food services	7.28	7.34	7.45	7.51	7.51
Other services, except public administration	5.83	5.87	5.74	5.62	5.61
Government and government enterprises	12.92	12.69	12.57	12.41	12.23
Federal, civilian	1.50	1.48	1.47	1.45	1.42
Military	1.06	1.03	1.00	0.98	0.96
State and local	10.36	10.18	10.10	9.98	9.85
State government	2.86	2.81	2.77	2.73	2.69
Local government	7.49	7.37	7.33	7.24	7.16
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