

The Economic Base of the Albuquerque, NM, Metropolitan Statistical Area

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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 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, 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. 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>.

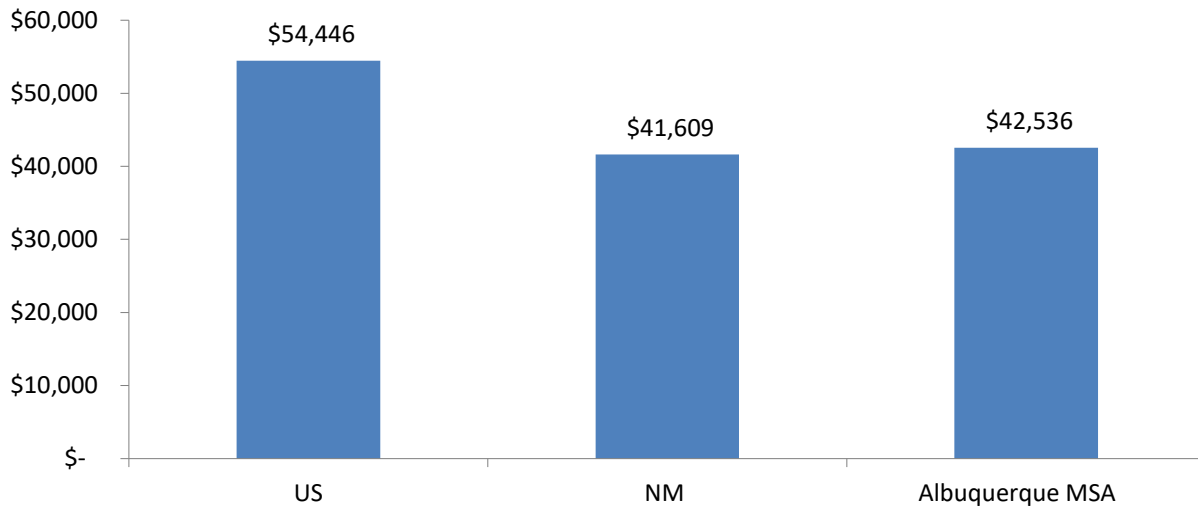
In this report, LQs are calculated for industries within Albuquerque MSA with national employment as basis for comparison (see Table 1). Additionally, LQs using employment for the state of New Mexico as benchmark are included (see Table 2). In this report, basic industries are identified using general 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 (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.

The Albuquerque, New Mexico, MSA

The Albuquerque MSA is located in central New Mexico and consists of Bernalillo, Torrance, Sandoval, and Valencia counties. The four counties combined encompass 9,283 square miles, or 7.66 percent of the land area of New Mexico. The population of the Albuquerque MSA in 2018 was 915,927 or 43.7 percent of the New Mexico's total population. The population of the City of Albuquerque, estimated by the U.S. Census Bureau, was 560,234 in 2018 as well as contained 61.17 percent of the Albuquerque MSA's population. The City of Albuquerque, the most populated city in the state, contained 26.74 percent of the state's population in 2018. Between 2014 and 2018, the Albuquerque MSA's population increased by 1.22 percent, while New Mexico's population increased by 0.24 percent and the nation's population increased by 2.76 percent.

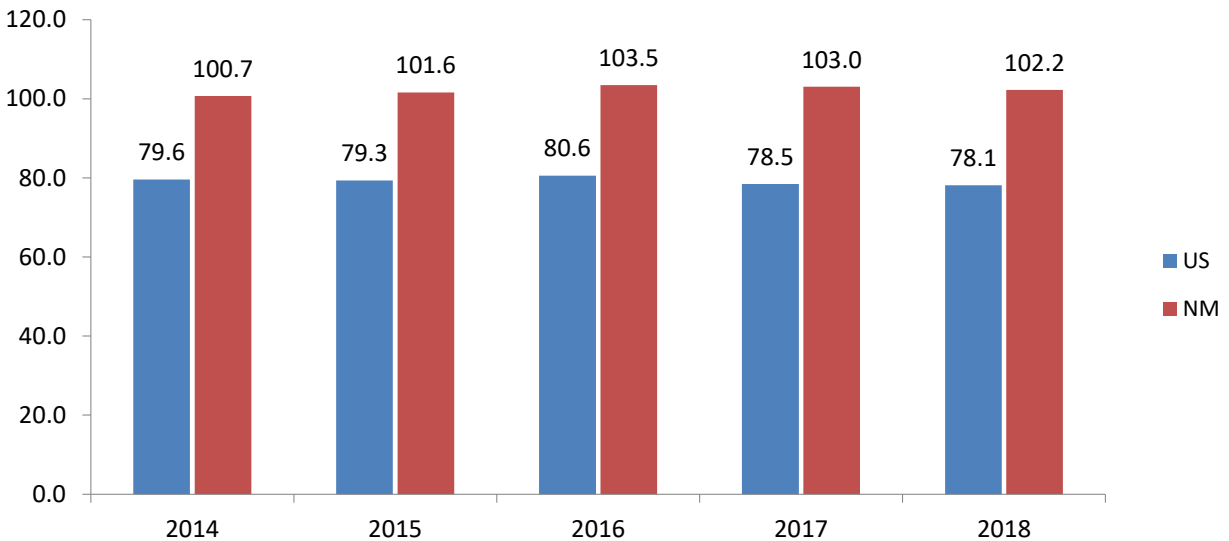
Per capita personal income in the Albuquerque MSA in 2018 was \$42,536 (See Figure 1). The growth rate of per capita personal income in the Albuquerque MSA between 2014 and 2018 was 13.62 percent, higher than the growth in per capita personal income in New Mexico (11.91 percent) and lower than the growth rate in the nation (15.7 percent).

Figure 1. Per Capita Personal Income: Albuquerque MSA (2018)



Albuquerque MSA's per capita income was 102.23 percent of the corresponding state figure (\$41,609), and 78.13 percent of the national average (\$54,446) (See Figure 2).

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



Total employment in the Albuquerque MSA in 2018 was 510,248. Total employment in the Albuquerque MSA increased by 5.59 percent between 2014 and 2018—a rate of growth higher than that of the state which experienced an increase of 2.93 percent but lower than the nation, which experienced an increase of 7.79 percent. The Albuquerque MSA employment to population ratio was 0.56 in 2018, while New Mexico’s employment to population ratio was 0.53 and the nation’s ratio was 0.61.

The private sector employed 81.98 percent of all workers in the Albuquerque MSA in 2018, while Government and Government Enterprises accounted for 17.18 percent and Farm employment accounted for 0.84 percent of the total. The industries with the highest percentages of total employment included: Retail Trade (9.94 percent of total employment), Professional, Scientific, and Technical Services (8.84 percent of total employment), and Accommodation and Food Services (8.21 percent of total employment). State and Local government were the largest employers in the public sector, at 5.39 percent and 7.84 percent of total employment, respectively. Federal/civilian and Military employment accounted for 2.82 percent and 1.13 percent of the total, respectively. Albuquerque MSA employment by sector is displayed in Table 1.

Basic and Non-Basic Industries in the Albuquerque MSA

Table 2 contains Location Quotients for the Albuquerque MSA from 2014 to 2018, calculated using data for the United States as the basis of comparison. An LQ greater than 1.0 qualifies an industry for consideration as a basic industry. Industries with LQs very near to 1.0 as well as industries such as Local government and Construction that typically support the local economy rather than export goods and services outside the region are not included here as basic industries.

The importance of Information Services to the economic base of the Albuquerque MSA is obvious in Table 2, in which those sectors with an LQ greater than 1.0 have been shaded. The Information sector should be considered a basic economic industry in the Albuquerque MSA, with its LQ of 1.10 in 2018 and with LQs greater than 1.10 in all previous years. This LQ is largely due to the employment base of Intel Corporation, located in Rio Rancho, a large technological manufacturing and innovation firm which employs many information workers.

In 2018, two additional industries were important to the economic base of Albuquerque MSA. These were Professional, Scientific, and Technical Services and Accommodation and Food Services with LQs of 1.25 and 1.09, respectively.

The Construction sector and Retail Trade sector both also had LQs greater than 1.0 with LQs of 1.11 and 1.03, respectively. However, these industries in the Albuquerque MSA are probably best viewed as non-basic or support industries.

The entry labeled Government and Government Enterprises is not a separate industry but merely the sum of the other government categories. In 2018, all of the government sector's LQs were substantially greater than 1.0. In 2018, Military and Federal/civilian employment had LQs of 1.18 and 1.98, respectively, and both are considered basic industries for Albuquerque MSA. 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 had an LQ of 2.01 in 2018 and LQs exceeding 1.88 in all years considered, due to the large employment base of the University of New Mexico, located

in downtown Albuquerque, which exports research and educational services, as well as the Central New Mexico Correctional Facility (CNMCF) in Los Lunas, one of the largest local employers in Valencia County. Hence, State government is considered a basic economic sector in the Albuquerque MSA as well.

Local government has maintained an LQ of 1.00 in 2018 and in each of the last four years. However, 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 the Albuquerque MSA will be considered a non-basic industry.

In brief, the data and analysis suggest that the following industries should be considered basic industries in the Albuquerque MSA:

1. Information, accounted for 9,650 jobs.
2. Professional, Scientific, and Technical Services, accounted for 45,116 jobs.
3. Accommodation and Food Services, accounted for 41,910 jobs
4. Federal government employment, including 14,366 Federal/civilian jobs and 5,753 Military jobs and, accounted for a total of 20,119 jobs.
5. State government employment, accounted for 27,527 jobs.

It is common in economic base studies to calculate what is known as an export-base multiplier. This multiplier is obtained by dividing total employment by basic sector employment. In the case of the Albuquerque MSA, the multiplier is 3.54 ($510,248/144,322$). This ratio suggests that the addition of each basic sector job in the Albuquerque MSA would be associated with an additional 3.54 non-basic sector jobs. Caution in the interpretation of this multiplier is appropriate, as this ratio may or may not apply in future years.

The export base multiplier (3.54) calculated above reinforces the importance of basic (exporting) industries to the Albuquerque MSA economy. 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 appropriate mix of such policies is often a result of public and private sector interaction in the context of the development of a community economic development plan.

Changes from Prior Year

This document has been revised to reflect 2018 data. The Bureau of Economic Analysis (www.bea.gov) recently updated employment, per capita personal income for the nation, the State of New Mexico, and New Mexico Counties along with recently released population estimates from the U.S Census Bureau. These were accounted for in the 2018 Base Study Report revisions. The population in the Albuquerque MSA increased by 0.33 percent from 912,897 in 2017 to 915,927 in 2018 (U.S Census Bureau, 2018). Per capita personal income increased by 4.47 percent from \$40,715 in 2017 to \$42,536 in 2018.

Tables 1 to 10 appear on pages 8-17

Table 1: Albuquerque MSA Employment by Industry 2014-2018

| Number of jobs by industry | 2014 | 2015 | 2016 | 2017 | 2018 |
|---|----------------|----------------|----------------|----------------|----------------|
| By type | | | | | |
| <i>Wage and salary employment</i> | 392006 | 397385 | 404580 | 407444 | 411553 |
| <i>Proprietors employment</i> | 91208 | 91901 | 92571 | 96258 | 98695 |
| <i>Farm proprietors employment</i> | 3730 | 3719 | 3712 | 3702 | 3655 |
| <i>Nonfarm proprietors employment 2/</i> | 87478 | 88182 | 88859 | 92556 | 95040 |
| By industry | | | | | |
| <i>Farm employment</i> | 4288 | 4333 | 4399 | 4321 | 4268 |
| <i>Nonfarm employment</i> | 478926 | 484953 | 492752 | 499381 | 505980 |
| <i>Private nonfarm employment</i> | 392487 | 398149 | 404642 | 411832 | 418322 |
| <i>Forestry, fishing, and related activities</i> | 579 | (D) | (D) | 637 | (D) |
| <i>Mining</i> | 2042 | (D) | (D) | 1924 | (D) |
| <i>Utilities</i> | (D) | (D) | (D) | 1245 | 1260 |
| <i>Construction</i> | 26858 | 27188 | 28517 | 30154 | 31058 |
| <i>Manufacturing</i> | 18852 | 19019 | 18619 | 18059 | 18664 |
| <i>Wholesale trade</i> | 14968 | 14917 | 14198 | 14001 | 13810 |
| <i>Retail trade</i> | 50911 | 51282 | 51057 | 50434 | 50717 |
| <i>Transportation and warehousing</i> | (D) | (D) | (D) | 14010 | 15076 |
| <i>Information</i> | 9942 | (D) | 10415 | 9991 | 9650 |
| <i>Finance and insurance</i> | 18932 | 19048 | 19891 | (D) | 20770 |
| <i>Real estate and rental and leasing</i> | 19310 | (D) | 20133 | (D) | 21417 |
| <i>Professional, scientific, and technical services</i> | (D) | (D) | (D) | (D) | 45116 |
| <i>Management of companies and enterprises</i> | 3674 | 3820 | 4,033 E | 4,080 | 4,216 E |
| <i>Administrative and waste management services</i> | (D) | (D) | (D) | (D) | 32762 |
| <i>Educational services</i> | 9171 | 9167 | 8889 | (D) | (D) |
| <i>Health care and social assistance</i> | 57911 | 60114 | 62599 | (D) | (D) |
| <i>Arts, entertainment, and recreation</i> | (D) | (D) | (D) | (D) | 11800 |
| <i>Accommodation and food services</i> | (D) | (D) | (D) | (D) | 41910 |
| <i>Other services, except public administration</i> | 24380 | 24530 | 24624 | 24716 | 25251 |
| <i>Government and government enterprises</i> | 86439 | 86804 | 88110 | 87549 | 87658 |
| <i>Federal, civilian</i> | 14304 | 14318 | 14485 | 14526 | 14366 |
| <i>Military</i> | 5877 | 5598 | 5669 | 5705 | 5753 |
| <i>State and local</i> | 66258 | 66888 | 67956 | 67318 | 67539 |
| <i>State government</i> | 26003 | 26720 | 27844 | 27512 | 27527 |
| <i>Local government</i> | 40255 | 40168 | 40112 | 39806 | 40012 |
| Total employment | 483,214 | 489,286 | 497,151 | 503,702 | 510,248 |

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

| Table 2: Location Quotients for Albuquerque MSA (US Base) 2014-2018 | | | | | |
|--|-------------|-------------|-------------|-------------|-------------|
| US Base | 2014 | 2015 | 2016 | 2017 | 2018 |
| By type | | | | | |
| Wage and salary employment | 1.04 | 1.05 | 1.05 | 1.05 | 1.05 |
| Proprietors employment | 0.85 | 0.84 | 0.83 | 0.84 | 0.84 |
| Farm proprietors employment | 0.78 | 0.79 | 0.79 | 0.80 | 0.80 |
| Nonfarm proprietors employment | 0.85 | 0.84 | 0.83 | 0.84 | 0.84 |
| By industry | | | | | |
| Farm employment | 0.63 | 0.64 | 0.65 | 0.64 | 0.64 |
| Nonfarm employment | 1.01 | 1.01 | 1.00 | 1.00 | 1.00 |
| Private nonfarm employment | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Forestry, fishing, and related activities | 0.24 | N/A | N/A | 0.27 | N/A |
| Mining | 0.49 | N/A | N/A | 0.57 | N/A |
| Utilities | N/A | N/A | N/A | 0.82 | 0.84 |
| Construction | 1.08 | 1.07 | 1.07 | 1.12 | 1.11 |
| Manufacturing | 0.56 | 0.57 | 0.55 | 0.53 | 0.54 |
| Wholesale trade | 0.86 | 0.85 | 0.85 | 0.84 | 0.85 |
| Retail trade | 1.05 | 1.04 | 1.03 | 1.02 | 1.03 |
| Transportation and warehousing | N/A | N/A | N/A | 0.64 | 0.63 |
| Information | 1.15 | N/A | 1.20 | 1.15 | 1.10 |
| Finance and insurance | 0.76 | 0.75 | 0.76 | N/A | 0.79 |
| Real estate and rental and leasing | 0.89 | N/A | 0.88 | N/A | 0.89 |
| Professional, scientific, and technical services | N/A | N/A | N/A | N/A | 1.25 |
| Management of companies and enterprises | 0.60 | 0.61 | N/A | 0.62 | N/A |
| Administrative and waste management services | N/A | N/A | N/A | N/A | 1.03 |
| Educational services | 0.79 | 0.77 | 0.74 | N/A | N/A |
| Health care and social assistance | 1.07 | 1.10 | 1.12 | N/A | N/A |
| Arts, entertainment, and recreation | N/A | N/A | N/A | N/A | 0.99 |
| Accommodation and food services | N/A | N/A | N/A | N/A | 1.09 |
| Other services, except public administration | 0.87 | 0.85 | 0.86 | 0.87 | 0.88 |
| Government and government enterprises | 1.38 | 1.40 | 1.41 | 1.40 | 1.41 |
| Federal, civilian | 1.97 | 1.98 | 1.98 | 1.99 | 1.98 |
| Military | 1.15 | 1.11 | 1.14 | 1.16 | 1.18 |
| State and local | 1.32 | 1.34 | 1.35 | 1.34 | 1.34 |
| State government | 1.88 | 1.94 | 2.02 | 2.00 | 2.01 |
| Local government | 1.11 | 1.11 | 1.10 | 1.09 | 1.09 |
| 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 Albuquerque MSA (NM Base) 2014-2018 | | | | | |
|--|-------------|-------------|-------------|-------------|-------------|
| NM Based | 2014 | 2015 | 2016 | 2017 | 2018 |
| By type | | | | | |
| Wage and salary employment | 1.03 | 1.03 | 1.03 | 1.03 | 1.03 |
| Proprietors employment | 0.89 | 0.88 | 0.88 | 0.89 | 0.90 |
| Farm proprietors employment | 0.39 | 0.38 | 0.38 | 0.38 | 0.38 |
| Nonfarm proprietors employment | 0.94 | 0.94 | 0.93 | 0.95 | 0.95 |
| By industry | | | | | |
| Farm employment | 0.34 | 0.33 | 0.32 | 0.32 | 0.33 |
| Nonfarm employment | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 |
| Private nonfarm employment | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 |
| Forestry, fishing, and related activities | 0.23 | N/A | N/A | 0.23 | N/A |
| Mining | 0.12 | N/A | N/A | 0.13 | N/A |
| Utilities | N/A | N/A | N/A | 0.59 | 0.60 |
| Construction | 1.01 | 1.02 | 1.04 | 1.06 | 1.06 |
| Manufacturing | 1.24 | 1.24 | 1.23 | 1.21 | 1.21 |
| Wholesale trade | 1.16 | 1.17 | 1.23 | 1.22 | 1.23 |
| Retail trade | 1.00 | 1.00 | 0.99 | 0.99 | 0.99 |
| Transportation and warehousing | N/A | N/A | N/A | 1.02 | 1.00 |
| Information | 1.42 | N/A | 1.43 | 1.41 | 1.38 |
| Finance and insurance | 1.22 | 1.23 | 1.23 | N/A | 1.26 |
| Real estate and rental and leasing | 1.11 | N/A | 1.11 | N/A | 1.12 |
| Professional, scientific, and technical services | N/A | N/A | N/A | N/A | 1.21 |
| Management of companies and enterprises | 1.46 | 1.45 | N/A | 1.45 | N/A |
| Administrative and waste management services | N/A | N/A | N/A | N/A | 1.25 |
| Educational services | 1.23 | 1.21 | 1.15 | N/A | N/A |
| Health care and social assistance | 1.04 | 1.03 | 1.02 | N/A | N/A |
| Arts, entertainment, and recreation | N/A | N/A | N/A | N/A | 0.99 |
| Accommodation and food services | N/A | N/A | N/A | N/A | 0.96 |
| Other services, except public administration | 0.99 | 0.98 | 0.98 | 0.98 | 0.98 |
| Government and government enterprises | 0.92 | 0.93 | 0.93 | 0.93 | 0.93 |
| Federal, civilian | 1.09 | 1.09 | 1.08 | 1.08 | 1.09 |
| Military | 0.74 | 0.74 | 0.73 | 0.72 | 0.72 |
| State and local | 0.92 | 0.92 | 0.92 | 0.92 | 0.93 |
| State government | 0.99 | 1.01 | 1.04 | 1.04 | 1.05 |
| Local government | 0.87 | 0.87 | 0.85 | 0.85 | 0.86 |
| 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: Albuquerque MSA, Total Employment by Industry 2018 | | |
|--|-------------------|------------------------------------|
| | Total Jobs | Percent of Total Employment |
| By type | | |
| Wage and salary employment | 411,553 | 80.66 |
| Proprietors employment | 98,695 | 19.34 |
| Farm proprietors employment | 3,655 | 0.72 |
| Nonfarm proprietors employment | 95,040 | 18.63 |
| By industry | | |
| Farm employment | 4,268 | 0.84 |
| Nonfarm employment | 505,980 | 99.16 |
| Private nonfarm employment | 418,322 | 81.98 |
| Forestry, fishing, and related activities | (D) | N/A |
| Mining | (D) | N/A |
| Utilities | 1,260 | 0.25 |
| Construction | 31,058 | 6.09 |
| Manufacturing | 18,664 | 3.66 |
| Wholesale trade | 13,810 | 2.71 |
| Retail trade | 50,717 | 9.94 |
| Transportation and warehousing | 15,076 | 2.95 |
| Information | 9,650 | 1.89 |
| Finance and insurance | 20,770 | 4.07 |
| Real estate and rental and leasing | 21,417 | 4.20 |
| Professional, scientific, and technical services | 45,116 | 8.84 |
| Management of companies and enterprises | 4,216 E | N/A |
| Administrative and waste management services | 32,762 | 6.42 |
| Educational services | (D) | N/A |
| Health care and social assistance | (D) | N/A |
| Arts, entertainment, and recreation | 11,800 | 2.31 |
| Accommodation and food services | 41,910 | 8.21 |
| Other services, except public administration | 25,251 | 4.95 |
| Government and government enterprises | 87,658 | 17.18 |
| Federal, civilian | 14,366 | 2.82 |
| Military | 5,753 | 1.13 |
| State and local | 67,539 | 13.24 |
| State government | 27,527 | 5.39 |
| Local government | 40,012 | 7.84 |
| Total employment | 510,248 | 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: Albuquerque MSA, New Mexico and United States Percent of Employment by Industry 2018

| | United States | New Mexico | Albuquerque MSA |
|--|---------------|---------------|-----------------|
| By type | | | |
| Wage and salary employment | 76.90 | 78.49 | 80.66 |
| Proprietors employment | 23.10 | 21.51 | 19.34 |
| Farm proprietors employment | 0.89 | 1.90 | 0.72 |
| Nonfarm proprietors employment | 22.21 | 19.61 | 18.63 |
| By industry | | | |
| Farm employment | 1.30 | 2.57 | 0.84 |
| Nonfarm employment | 98.70 | 97.43 | 99.16 |
| Private nonfarm employment | 86.48 | 78.99 | 81.98 |
| Forestry, fishing, and related activities | 0.48 | 0.55 | N/A |
| Mining | 0.67 | 3.09 | N/A |
| Utilities | 0.29 | 0.41 | 0.25 |
| Construction | 5.47 | 5.77 | 6.09 |
| Manufacturing | 6.73 | 3.01 | 3.66 |
| Wholesale trade | 3.20 | 2.20 | 2.71 |
| Retail trade | 9.62 | 10.01 | 9.94 |
| Transportation and warehousing | 4.66 | 2.95 | 2.95 |
| Information | 1.72 | 1.37 | 1.89 |
| Finance and insurance | 5.18 | 3.23 | 4.07 |
| Real estate and rental and leasing | 4.73 | 3.75 | 4.20 |
| Professional, scientific, and technical services | 7.08 | 7.32 | 8.84 |
| Management of companies and enterprises | 1.33 | 0.58 | N/A |
| Administrative and waste management services | 6.21 | 5.16 | 6.42 |
| Educational services | 2.38 | 1.52 | N/A |
| Health care and social assistance | 11.27 | 12.16 | N/A |
| Arts, entertainment, and recreation | 2.33 | 2.33 | 2.31 |
| Accommodation and food services | 7.51 | 8.53 | 8.21 |
| Other services, except public administration | 5.61 | 5.05 | 4.95 |
| Government and government enterprises | 12.23 | 18.44 | 17.18 |
| Federal, civilian | 1.42 | 2.59 | 2.82 |
| Military | 0.96 | 1.58 | 1.13 |
| State and local | 9.85 | 14.27 | 13.24 |
| State government | 2.69 | 5.12 | 5.39 |
| Local government | 7.16 | 9.15 | 7.84 |
| 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: Albuquerque MSA Percent of Employment by Sectors 2014-2018

| Description | 2014 | 2015 | 2016 | 2017 | 2018 |
|--|---------------|---------------|---------------|---------------|---------------|
| By type | | | | | |
| Wage and salary employment | 81.12 | 81.22 | 81.38 | 80.89 | 80.66 |
| Proprietors employment | 18.88 | 18.78 | 18.62 | 19.11 | 19.34 |
| Farm proprietors employment | 0.77 | 0.76 | 0.75 | 0.73 | 0.72 |
| Nonfarm proprietors employment | 18.10 | 18.02 | 17.87 | 18.38 | 18.63 |
| By industry | | | | | |
| Farm employment | 0.89 | 0.89 | 0.88 | 0.86 | 0.84 |
| Nonfarm employment | 99.11 | 99.11 | 99.12 | 99.14 | 99.16 |
| Private nonfarm employment | 81.22 | 81.37 | 81.39 | 81.76 | 81.98 |
| Forestry, fishing, and related activities | 0.12 | N/A | N/A | 0.13 | N/A |
| Mining | 0.42 | N/A | N/A | 0.38 | N/A |
| Utilities | N/A | N/A | N/A | 0.25 | 0.25 |
| Construction | 5.56 | 5.56 | 5.74 | 5.99 | 6.09 |
| Manufacturing | 3.90 | 3.89 | 3.75 | 3.59 | 3.66 |
| Wholesale trade | 3.10 | 3.05 | 2.86 | 2.78 | 2.71 |
| Retail trade | 10.54 | 10.48 | 10.27 | 10.01 | 9.94 |
| Transportation and warehousing | N/A | N/A | N/A | 2.78 | 2.95 |
| Information | 2.06 | N/A | 2.09 | 1.98 | 1.89 |
| Finance and insurance | 3.92 | 3.89 | 4.00 | N/A | 4.07 |
| Real estate and rental and leasing | 4.00 | N/A | 4.05 | N/A | 4.20 |
| Professional, scientific, and technical services | N/A | N/A | N/A | N/A | 8.84 |
| Management of companies and enterprises | 0.76 | 0.78 | N/A | 0.81 | N/A |
| Administrative and waste management services | N/A | N/A | N/A | N/A | 6.42 |
| Educational services | 1.90 | 1.87 | 1.79 | N/A | N/A |
| Health care and social assistance | 11.98 | 12.29 | 12.59 | N/A | N/A |
| Arts, entertainment, and recreation | N/A | N/A | N/A | N/A | 2.31 |
| Accommodation and food services | N/A | N/A | N/A | N/A | 8.21 |
| Other services, except public administration | 5.05 | 5.01 | 4.95 | 4.91 | 4.95 |
| Government and government enterprises | 17.89 | 17.74 | 17.72 | 17.38 | 17.18 |
| Federal, civilian | 2.96 | 2.93 | 2.91 | 2.88 | 2.82 |
| Military | 1.22 | 1.14 | 1.14 | 1.13 | 1.13 |
| State and local | 13.71 | 13.67 | 13.67 | 13.36 | 13.24 |
| State government | 5.38 | 5.46 | 5.60 | 5.46 | 5.39 |
| Local government | 8.33 | 8.21 | 8.07 | 7.90 | 7.84 |
| 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