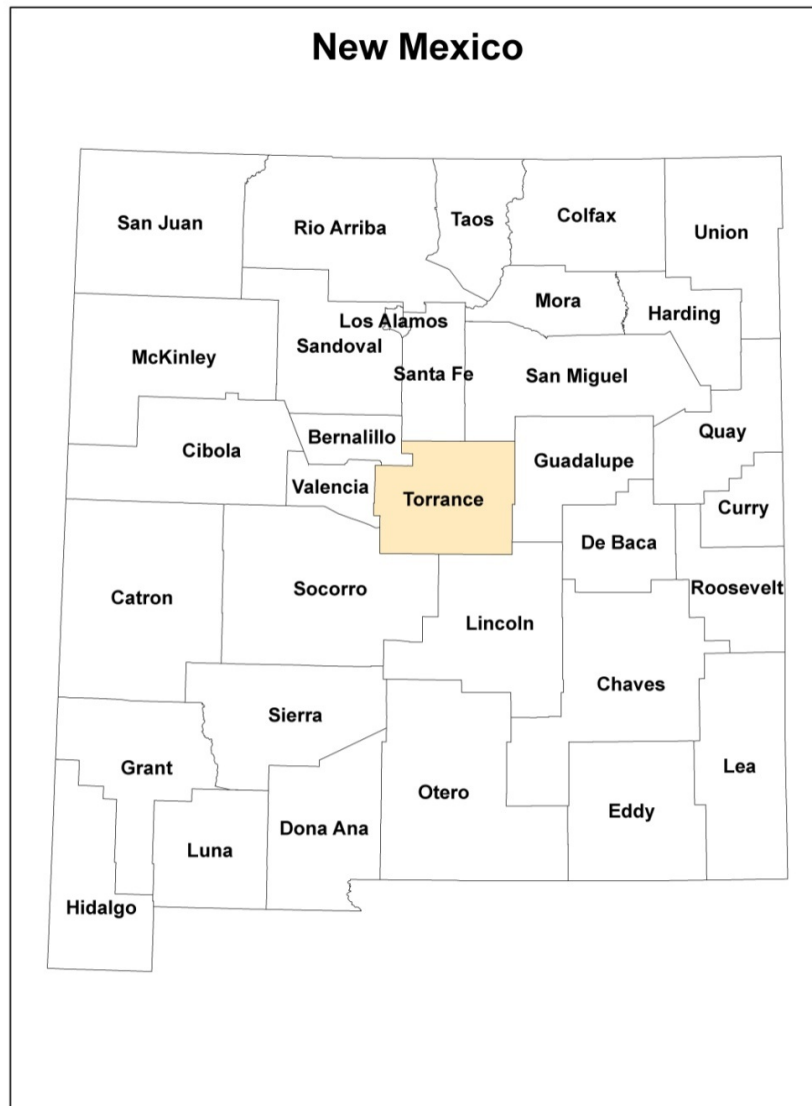




The Economic Base of Torrance County, NM

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

DATE: July 2019



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Introduction

This report is one of 35 economic base studies prepared by the Office of Policy Analysis at New Mexico State University's (NMSU) Arrowhead Center. Of the 35 reports, 33 describe the economic base of New Mexico's counties. There are separate reports for the State of New Mexico and for the Albuquerque Metropolitan Statistical Area (MSA). New Mexico has three additional MSAs (Las Cruces, Santa Fe, and Farmington), all of which are single county MSAs; separate reports for these MSAs were not prepared. All 35 reports may be found at <http://arrowheadcenter.nmsu.edu/economic-and-policy-studies/>.

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

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

The specific purposes of economic base studies include:

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

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

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

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

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

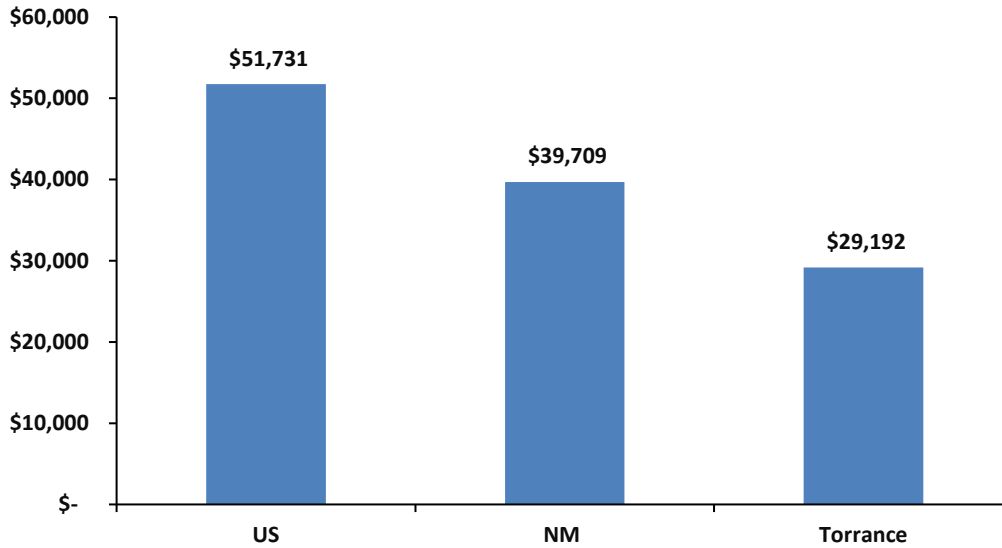
The LQ serves to illustrate the relative importance in the level of the local employment of that sector with respect to the benchmark economy, state or national. A LQ greater than 1.0 indicates that a particular industry employs proportionately more workers locally than it does at the state or national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

In this report, LQs are calculated for industries within Torrance County with the national employment as the basis for comparison (see Table 1). Additionally, LQs using employment for the state of New Mexico as benchmark are included (see Table 2). In this report, basic industries are identified using general knowledge about the structure of the local economy combined with LQs greater than 1.0. LQs are described for the most recent year for which data were available and for the four preceding years (2013-2017). The data used in this report are from the U.S. Department of Commerce, Bureau of Economic Analysis (BEA) which can be found at www.bea.gov.

Torrance County, New Mexico

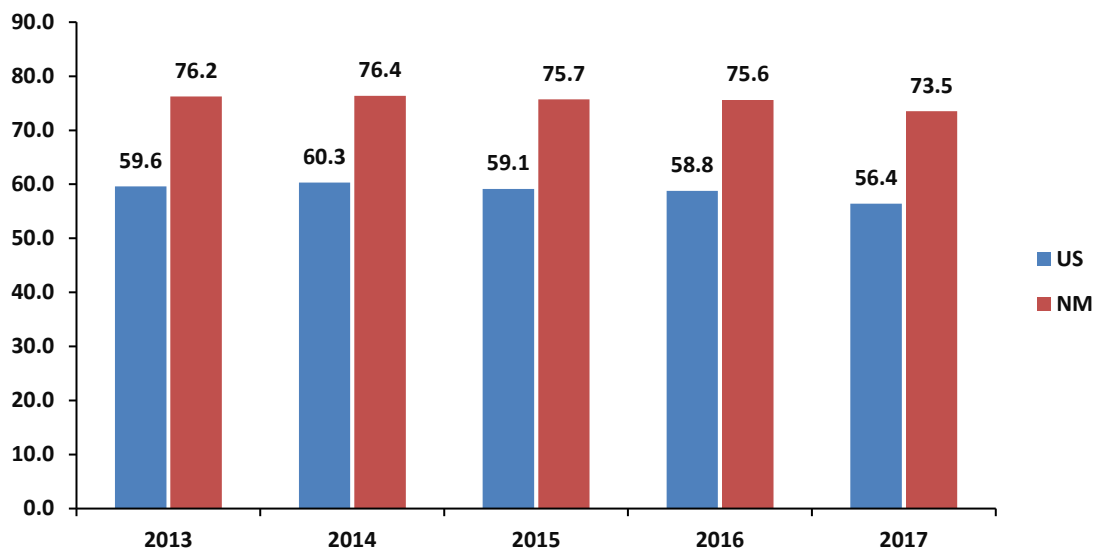
Torrance County is located in central New Mexico and contains 3,345 square miles, or 2.76 percent of the land area in New Mexico. Torrance County's population in 2017 was 15,506 (0.74 percent of the state total) and ranked 23rd among New Mexico's counties. The town of Moriarty, with a population of 1,793 in 2017, contained 11.56 percent of Torrance County's population. Between 2013 and 2017, Torrance County's population decreased 1.26 percent, while New Mexico's population increased .03 percent and the nation's population increased 2.88 percent.

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



Torrance County per capita personal income was \$ 29,192 and ranked 30th in the state in 2017 (See Figure 1). Torrance County’s 2017 per capita income was 73.51 percent of the corresponding state figure (\$39,709), and 56.43 percent of the national average (\$51,731) (See Figure 2). Torrance county’s per capita income grew 9.18 percent from 2013 to 2017 while New Mexico and the nation’s per capita income grew 13.21 and 15.34 percent respectively during the same time period.

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



Total employment in Torrance County in 2017 was 5,336. Total employment in Torrance County increased by 1.95 percent between 2013 and 2017, a rate lower than the employment increase experienced by state (2.08 percent increase) and the nation (7.57 percent increase). The Torrance County employment to population ratio was 0.34; much lower than New Mexico's 2017 employment to population ratio (0.52) or the nation's ratio (0.58).

Data on employment by industry for Torrance County is very limited, as the BEA does not disclose certain data for industries with few competing businesses due to confidentiality requirements. Also, those industries with fewer than 10 total employees are not disclosed either. For both of these cases, however, industry data are included in annual countywide totals.

In 2017, 68.67 percent of workers in Torrance County were employed in the Private sector, 19.04 percent were employed in Government and government enterprises, and Farm employment accounted for 12.29 percent of total employment. The industries with the highest percentage of total employment included Retail trade (12.24), and Construction (6.11). Though Health care and social assistance sector had historically accounted for about 7.00 percent of total employment in Torrance County from 2013 to 2016, data was not available for this sector in 2017. Local government was the largest employer in the public sector, at 15.33 percent of total employment; while Federal/civilian, military, and state employment accounted for 1.18 percent, 0.73 percent, and 1.80 percent of the total, respectively. Torrance County employment by sector is displayed in Table 1.

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

Table 1 contains LQs for Torrance County from 2013 to 2017 calculated using data for the United States as the basis of comparison. Table 2 contains LQs for Torrance County from 2013 to 2017 calculated with respect to the state of New Mexico. . In this analysis, a basic industry is defined as an industry with an LQ greater than 1.0 with respect to the U.S. employment. The sectors with an LQ greater than 1.0 have been shaded.

The importance of agriculture to the economic base of Torrance County is reflected by the high LQ in Farm Employment. The LQ for Farm Employment was 9.16 in 2017. Additionally, other industries within the private sector that have LQs above 1.0 in 2017 were Construction (1.13), Utilities (6.09), Retail Trade (1.25) and wholesale trade (1.11). Nevertheless, these industries in Torrance County are probably best viewed as non-basic or support industries.

Government and government enterprises is an aggregate category that includes the other government sectors. Local government was the only public sector with a LQ over 1.0 in 2017. Although local government had an LQ of 2.11 in 2017, local government is generally categorized as non-basic given that all local governments collect taxes from residents to provide for the services to the community, including employment. Following this practice, local government for Torrance County will be considered as a non-basic industry.

The data and analysis suggest that the following industries should be considered basic industries in Torrance County in 2017:

1. Agriculture and related industries, accounted for 656 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 Torrance County, the multiplier is 8.13 (5,336/ 656). This ratio suggests that the addition of each basic sector job in Torrance County would be associated with an additional 8.13 non-basic sector jobs. The export base multiplier (8.13) calculated above reinforces the importance of basic (exporting) industries to the Torrance County economy. 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 Torrance County, potential double counting occupation 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 appropriate mix of such policies is often a result of 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 for population data. Torrance County's population increased .52 percent from 15,426 in 2016, to 15,506 in 2017. Per capita income decreased 0.45 percent from \$ 29,325 in 2016 to \$29,192 in 2017. Total employment increased by 0.98 percent between 2016 and 2017. Basic industries remained unchanged.

Tables 1 to 10 appear on pages 6-15

Table 1: Location Quotients for Torrance County (US Base) 2013-2017					
US Base	2013	2014	2015	2016	2017
By type					
Wage and salary employment	0.85	0.86	0.85	0.85	0.85
Proprietors employment	1.51	1.50	1.51	1.52	1.52
Farm proprietors employment	9.68	9.93	10.04	10.32	10.49
Nonfarm proprietors employment	1.12	1.11	1.13	1.13	1.14
By industry					
Farm employment	8.73	8.67	8.86	9.33	9.16
Nonfarm employment	0.89	0.89	0.89	0.88	0.89
Private nonfarm employment	0.78	0.79	0.80	0.79	0.80
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	N/A	N/A	N/A	N/A	6.09
Construction	1.04	1.03	1.06	1.04	1.13
Manufacturing	0.51	0.52	0.57	0.39	0.41
Wholesale trade	1.09	1.22	1.20	1.17	1.11
Retail trade	1.23	1.26	1.25	1.25	1.25
Transportation and warehousing	N/A	N/A	N/A	N/A	0.77
Information	0.41	0.33	N/A	0.31	0.34
Finance and insurance	0.38	0.35	0.28	0.30	N/A
Real estate and rental and leasing	0.48	0.47	N/A	0.51	N/A
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	N/A
Management of companies and enterprises	0.20	0.27	0.32	0.45	0.45
Administrative and waste management services	N/A	N/A	N/A	N/A	N/A
Educational services	0.71	0.73	0.86	0.73	N/A
Health care and social assistance	0.64	0.63	0.66	0.72	N/A
Arts, entertainment, and recreation	N/A	N/A	N/A	N/A	N/A
Accommodation and food services	N/A	N/A	N/A	N/A	N/A
Other services, except public administration	0.96	0.93	0.92	0.94	0.93
Government and government enterprises	1.58	1.57	1.52	1.56	1.53
Federal, civilian	0.90	0.93	0.84	0.84	0.81
Military	0.72	0.70	0.71	0.74	0.74
State and local	1.77	1.75	1.70	1.75	1.71
State government	0.44	0.45	0.51	0.67	0.66
Local government	2.28	2.24	2.15	2.15	2.11
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 Torrance County (NM Base) 2013-2017					
NM Based	2013	2014	2015	2016	2017
By type					
Wage and salary employment	0.84	0.85	0.84	0.84	0.84
Proprietors employment	1.57	1.57	1.60	1.61	1.60
Farm proprietors employment	4.92	4.96	4.93	4.99	4.98
Nonfarm proprietors employment	1.23	1.22	1.26	1.27	1.26
By industry					
Farm employment	4.66	4.72	4.67	4.70	4.71
Nonfarm employment	0.90	0.90	0.90	0.90	0.90
Private nonfarm employment	0.86	0.86	0.87	0.87	0.87
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	N/A	N/A	N/A	N/A	4.44
Construction	0.96	0.96	1.00	1.01	1.07
Manufacturing	1.08	1.14	1.25	0.87	0.92
Wholesale trade	1.52	1.66	1.65	1.68	1.61
Retail trade	1.18	1.21	1.19	1.20	1.21
Transportation and warehousing	N/A	N/A	N/A	N/A	1.22
Information	0.49	0.41	N/A	0.37	0.42
Finance and insurance	0.63	0.57	0.46	0.49	N/A
Real estate and rental and leasing	0.60	0.59	N/A	0.64	N/A
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	N/A
Management of companies and enterprises	0.49	0.66	0.76	1.04	1.05
Administrative and waste management services	N/A	N/A	N/A	N/A	N/A
Educational services	1.11	1.14	1.34	1.13	N/A
Health care and social assistance	0.62	0.62	0.62	0.66	N/A
Arts, entertainment, and recreation	N/A	N/A	N/A	N/A	N/A
Accommodation and food services	N/A	N/A	N/A	N/A	N/A
Other services, except public administration	1.09	1.07	1.05	1.07	1.05
Government and government enterprises	1.06	1.05	1.01	1.03	1.01
Federal, civilian	0.49	0.51	0.46	0.46	0.44
Military	0.47	0.46	0.47	0.47	0.46
State and local	1.24	1.21	1.16	1.19	1.18
State government	0.24	0.24	0.27	0.35	0.34
Local government	1.79	1.75	1.67	1.67	1.65
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: Torrance County Total Employment by Industry 2017		
	Total Jobs	Percent of Total Employment
By type		
Wage and salary employment	3,505	65.69
Proprietors employment	1,831	34.31
Farm proprietors employment	517	9.69
Nonfarm proprietors employment	1,314	24.63
By industry		
Farm employment	656	12.29
Nonfarm employment	4,680	87.71
Private nonfarm employment	3,664	68.67
Forestry, fishing, and related activities	(D)	N/A
Mining	(D)	N/A
Utilities	110	2.06
Construction	326	6.11
Manufacturing	148	2.77
Wholesale trade	195	3.65
Retail trade	653	12.24
Transportation and warehousing	160	3.00
Information	31	0.58
Finance and insurance	(D)	N/A
Real estate and rental and leasing	(D)	N/A
Professional, scientific, and technical services	(D)	N/A
Management of companies and enterprises	33	0.62
Administrative and waste management services	(D)	N/A
Educational services	(D)	N/A
Health care and social assistance	(D)	N/A
Arts, entertainment, and recreation	(D)	N/A
Accommodation and food services	(D)	N/A
Other services, except public administration	282	5.28
Government and government enterprises	1,016	19.04
Federal, civilian	63	1.18
Military	39	0.73
State and local	914	17.13
State government	96	1.80
Local government	818	15.33
Total employment	5,336	100.00

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

Table 4: Torrance County Employment by Industry 2013-2017					
Number of jobs by industry	2013	2014	2015	2016	2017
By type					
Wage and salary employment	3480	3482	3536	3481	3505
Proprietors employment	1754	1750	1815	1803	1831
Farm proprietors employment	516	514	517	514	517
Nonfarm proprietors employment 2/	1238	1236	1298	1289	1314
By industry					
Farm employment	663	644	660	674	656
Nonfarm employment	4571	4588	4691	4610	4680
Private nonfarm employment	3481	3530	3660	3575	3664
Forestry, fishing, and related activities	(D)	(D)	(D)	(D)	(D)
Mining	(D)	(D)	(D)	(D)	(D)
Utilities	(D)	(D)	(D)	(D)	110
Construction	275	276	294	293	326
Manufacturing	186	187	209	139	148
Wholesale trade	198	231	231	206	195
Retail trade	648	665	670	657	653
Transportation and warehousing	(D)	(D)	(D)	(D)	160
Information	38	31	(D)	29	31
Finance and insurance	107	95	78	84	(D)
Real estate and rental and leasing	112	112	(D)	123	(D)
Professional, scientific, and technical services	(D)	(D)	(D)	(D)	(D)
Management of companies and enterprises	13	18	22	32	33
Administrative and waste management services	(D)	(D)	(D)	(D)	(D)
Educational services	89	92	111	93	(D)
Health care and social assistance	375	371	394	430	(D)
Arts, entertainment, and recreation	(D)	(D)	(D)	(D)	(D)
Accommodation and food services	(D)	(D)	(D)	(D)	(D)
Other services, except public administration	289	285	288	286	282
Government and government enterprises	1090	1058	1031	1035	1016
Federal, civilian	73	73	66	65	63
Military	42	39	39	39	39
State and local	975	946	926	931	914
State government	67	68	77	98	96
Local government	908	878	849	833	818
Total employment	5234	5232	5351	5284	5336

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

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

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

Table 6: United States Employment by Industry 2012-2017

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

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

Table 7: Torrance County, New Mexico and United States Percent of Employment by Industry 2017			
	United States	New Mexico	Union County
By type			
Wage and salary employment	77.41	78.54	65.69
Proprietors employment	22.59	21.46	34.31
Farm proprietors employment	0.92	1.95	9.69
Nonfarm proprietors employment	21.67	19.51	24.63
By industry			
Farm employment	1.34	2.61	12.29
Nonfarm employment	98.66	97.39	87.71
Private nonfarm employment	86.22	78.60	68.67
Forestry, fishing, and related activities	0.47	0.52	N/A
Mining	0.77	3.07	N/A
Utilities	0.34	0.46	2.06
Construction	5.42	5.70	6.11
Manufacturing	6.78	3.03	2.77
Wholesale trade	3.30	2.27	3.65
Retail trade	9.80	10.15	12.24
Transportation and warehousing	3.91	2.46	3.00
Information	1.73	1.40	0.58
Finance and insurance	5.36	3.35	N/A
Real estate and rental and leasing	4.64	3.70	N/A
Professional, scientific, and technical services	7.00	7.25	N/A
Management of companies and enterprises	1.36	0.59	0.62
Administrative and waste management services	6.16	5.04	N/A
Educational services	2.39	1.55	N/A
Health care and social assistance	11.32	12.27	N/A
Arts, entertainment, and recreation	2.27	2.26	N/A
Accommodation and food services	7.49	8.47	N/A
Other services, except public administration	5.69	5.05	5.28
Government and government enterprises	12.44	18.79	19.04
Federal, civilian	1.46	2.67	1.18
Military	0.98	1.58	0.73
State and local	10.00	14.54	17.13
State government	2.74	5.25	1.80
Local government	7.27	9.29	15.33
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: Torrance County Percent of Employment by Sectors 2013-2017					
Description	2013	2014	2015	2016	2017
By type					
Wage and salary employment	66.49	66.55	66.08	65.88	65.69
Proprietors employment	33.51	33.45	33.92	34.12	34.31
Farm proprietors employment	9.86	9.82	9.66	9.73	9.69
Nonfarm proprietors employment	23.65	23.62	24.26	24.39	24.63
By industry					
Farm employment	12.67	12.31	12.33	12.76	12.29
Nonfarm employment	87.33	87.69	87.67	87.24	87.71
Private nonfarm employment	66.51	67.47	68.40	67.66	68.67
Forestry, fishing, and related activities	N/A	N/A	N/A	N/A	N/A
Mining	N/A	N/A	N/A	N/A	N/A
Utilities	N/A	N/A	N/A	N/A	2.06
Construction	5.25	5.28	5.49	5.55	6.11
Manufacturing	3.55	3.57	3.91	2.63	2.77
Wholesale trade	3.78	4.42	4.32	3.90	3.65
Retail trade	12.38	12.71	12.52	12.43	12.24
Transportation and warehousing	N/A	N/A	N/A	N/A	3.00
Information	0.73	0.59	N/A	0.55	0.58
Finance and insurance	2.04	1.82	1.46	1.59	N/A
Real estate and rental and leasing	2.14	2.14	N/A	2.33	N/A
Professional, scientific, and technical services	N/A	N/A	N/A	N/A	N/A
Management of companies and enterprises	0.25	0.34	0.41	0.61	0.62
Administrative and waste management services	N/A	N/A	N/A	N/A	N/A
Educational services	1.70	1.76	2.07	1.76	N/A
Health care and social assistance	7.16	7.09	7.36	8.14	N/A
Arts, entertainment, and recreation	N/A	N/A	N/A	N/A	N/A
Accommodation and food services	N/A	N/A	N/A	N/A	N/A
Other services, except public administration	5.52	5.45	5.38	5.41	5.28
Government and government enterprises	20.83	20.22	19.27	19.59	19.04
Federal, civilian	1.39	1.40	1.23	1.23	1.18
Military	0.80	0.75	0.73	0.74	0.73
State and local	18.63	18.08	17.31	17.62	17.13
State government	1.28	1.30	1.44	1.85	1.80
Local government	17.35	16.78	15.87	15.76	15.33
Total employment	100.00	100.00	100.00	100.00	100.00

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

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

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

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

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