

January 8, 2018



# **Economic Overview**

## **City of Tyler, TX**



<b>DEMOGRAPHIC PROFILE.....</b>	<b>3</b>
<b>EMPLOYMENT TRENDS.....</b>	<b>5</b>
<b>WAGE TRENDS .....</b>	<b>5</b>
<b>COST OF LIVING INDEX .....</b>	<b>6</b>
<b>INDUSTRY SNAPSHOT.....</b>	<b>7</b>
<b>OCCUPATION SNAPSHOT .....</b>	<b>9</b>
<b>INDUSTRY CLUSTERS .....</b>	<b>11</b>
<b>EDUCATION LEVELS .....</b>	<b>11</b>
<b>FAQ .....</b>	<b>12</b>

# Demographic Profile

The population in the City of Tyler, TX was 101,946 per American Community Survey data for 2012-2016.

The region has a civilian labor force of 49,463 with a participation rate of 61.8%. Of individuals 25 to 64 in the City of Tyler, TX, 27.2% have a bachelor's degree or higher which compares with 31.8% in the nation.

The median household income in the City of Tyler, TX is \$44,507 and the median house value is \$140,000.

Summary <sup>1</sup>						
	Percent			Value		
	City of Tyler, TX	Texas	USA	City of Tyler, TX	Texas	USA
<b>Demographics</b>						
Population (ACS)	—	—	—	101,946	26,956,435	318,558,162
Male	47.0%	49.6%	49.2%	47,903	13,379,165	156,765,322
Female	53.0%	50.4%	50.8%	54,043	13,577,270	161,792,840
Median Age <sup>2</sup>	—	—	—	33.1	34.2	37.7
Under 18 Years	23.9%	26.5%	23.1%	24,362	7,132,476	73,612,438
18 to 24 Years	13.2%	10.2%	9.8%	13,441	2,738,831	31,296,577
25 to 34 Years	15.4%	14.5%	13.6%	15,747	3,915,774	43,397,907
35 to 44 Years	10.7%	13.5%	12.7%	10,865	3,642,463	40,548,400
45 to 54 Years	10.9%	12.9%	13.6%	11,136	3,471,589	43,460,466
55 to 64 Years	11.1%	11.0%	12.6%	11,353	2,958,735	40,061,742
65 to 74 Years	7.3%	6.8%	8.3%	7,442	1,828,562	26,355,308
75 Years, and Over	7.5%	4.7%	6.2%	7,600	1,268,005	19,825,324
Race: White	68.1%	74.8%	73.3%	69,386	20,174,403	233,657,078
Race: Black or African American	24.6%	11.9%	12.6%	25,086	3,221,133	40,241,818
Race: American Indian and Alaska Native	0.3%	0.5%	0.8%	278	128,145	2,597,817
Race: Asian	2.2%	4.4%	5.2%	2,230	1,175,423	16,614,625
Race: Native Hawaiian and Other Pacific Islander	0.2%	0.1%	0.2%	214	22,248	560,021
Race: Some Other Race	2.8%	5.8%	4.8%	2,821	1,561,683	15,133,856
Race: Two or More Races	1.9%	2.5%	3.1%	1,931	673,400	9,752,947
Hispanic or Latino (of any race)	22.5%	38.6%	17.3%	22,905	10,413,150	55,199,107
<b>Economic</b>						
Labor Force Participation Rate and Size (civilian population 16 years and over)	61.8%	64.5%	63.3%	49,463	13,219,523	159,807,099
Armed Forces Labor Force	0.1%	0.5%	0.4%	116	92,754	1,011,641
Veterans, Age 18-64	4.3%	5.4%	5.1%	2,680	895,966	10,165,671
Median Household Income <sup>2</sup>	—	—	—	\$44,507	\$54,727	\$55,322
Per Capita Income	—	—	—	\$25,986	\$27,828	\$29,829
Poverty Level (of all people)	20.3%	16.7%	15.1%	19,951	4,397,307	46,932,225
Households Receiving Food Stamps	12.0%	13.1%	13.0%	4,487	1,220,336	15,360,951
Mean Commute Time (minutes)	—	—	—	19.8	25.9	26.1

Summary <sup>1</sup>						
	Percent			Value		
	City of Tyler, TX	Texas	USA	City of Tyler, TX	Texas	USA
Commute via Public Transportation	0.4%	1.5%	5.1%	194	188,919	7,476,312
Union Membership <sup>3</sup>	5.1%	4.2%	10.7%	—	—	—
<b>Educational Attainment, Age 25-64</b>						
No High School Diploma	16.2%	16.5%	11.6%	7,968	2,303,492	19,478,050
High School Graduate	20.9%	24.7%	26.1%	10,251	3,452,488	43,788,541
Some College, No Degree	25.5%	22.7%	21.5%	12,514	3,174,603	36,025,193
Associate's Degree	10.2%	7.3%	8.9%	5,001	1,015,736	14,962,488
Bachelor's Degree	19.1%	19.4%	20.2%	9,374	2,710,069	33,845,524
Postgraduate Degree	8.1%	9.5%	11.6%	3,993	1,332,173	19,368,719
<b>Housing</b>						
Total Housing Units	—	—	—	42,392	10,441,643	134,054,899
Median House Value (of owner-occupied units) <sup>2</sup>	—	—	—	\$140,000	\$142,700	\$184,700
Homeowner Vacancy	3.5%	1.6%	1.8%	696	94,289	1,395,797
Rental Vacancy	10.5%	7.6%	6.2%	2,136	294,244	2,855,844
Renter-Occupied Housing Units (% of Occupied Units)	48.2%	38.1%	36.4%	18,065	3,542,096	42,835,169
Occupied Housing Units with No Vehicle Available (% of Occupied Units)	6.1%	5.6%	9.0%	2,276	523,186	10,562,847
<b>Social</b>						
Enrolled in Grade 12 (% of total population)	1.2%	1.4%	1.4%	1,251	390,416	4,433,703
Disconnected Youth <sup>4</sup>	2.1%	3.2%	2.8%	127	48,770	485,589
Children in Single Parent Families (% of all children)	39.7%	35.2%	34.7%	9,122	2,392,053	24,318,038
With a Disability, Age 18-64	9.6%	9.8%	10.3%	5,878	1,608,392	20,188,257
With a Disability, Age 18-64, Labor Force Participation Rate and Size	42.1%	44.2%	41.0%	2,472	710,611	8,278,834
Foreign Born	10.4%	16.7%	13.2%	10,560	4,494,345	42,194,354
Speak English Less Than Very Well (population 5 yrs and over)	9.4%	14.1%	8.5%	8,971	3,518,972	25,440,956

Source: [JobsEQ®](#)

1. American Community Survey 2012-2016, unless noted otherwise

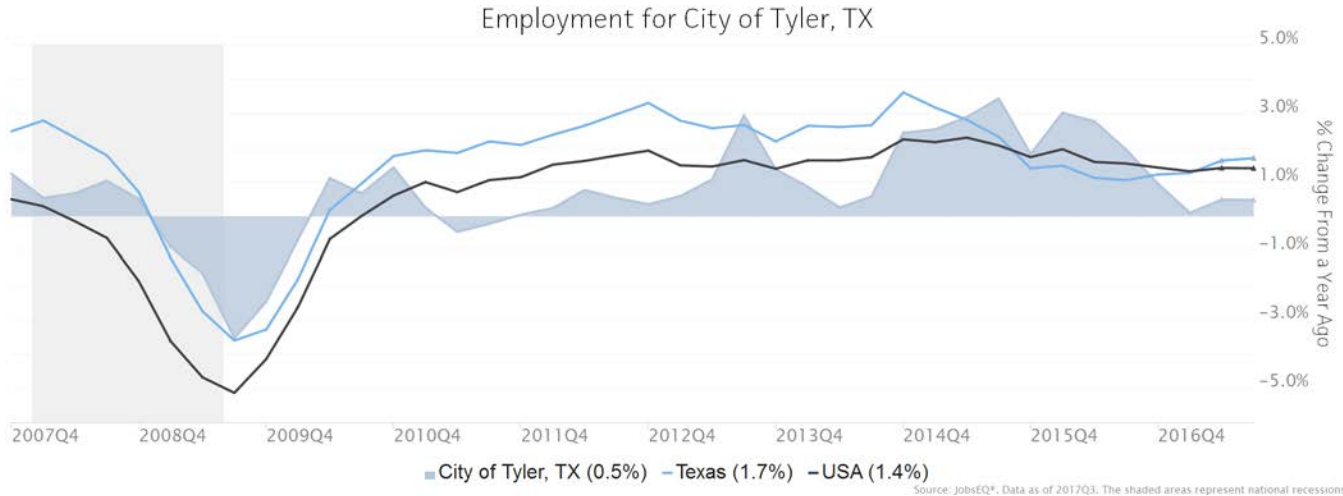
2. Median values for certain aggregate regions (such as MSAs) may be estimated as the weighted averages of the median values from the composing counties.

3. 2016; Current Population Survey, unionstats.com, and Chmura; county- and zip-level data are best estimates based upon industry-, MSA-, and state-level data

4. Disconnected Youth are 16-19 year olds who are (1) not in school, (2) not high school graduates, and (3) either unemployed or not in the labor force.

# Employment Trends

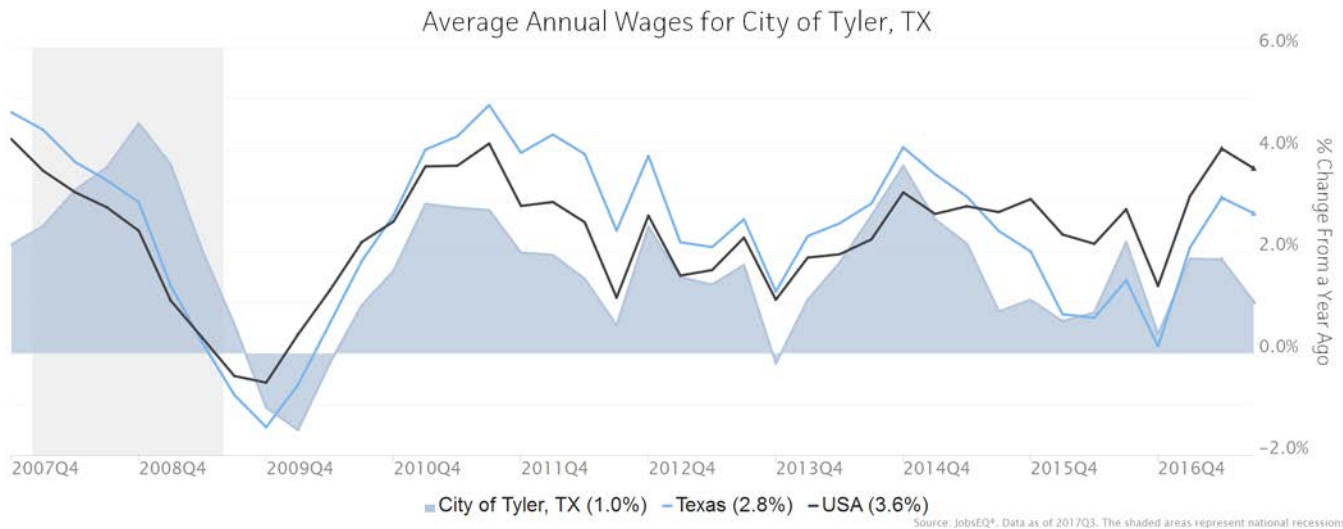
As of 2017Q3, total employment for the City of Tyler, TX was 82,912 (based on a four-quarter moving average). Over the year ending 2017Q3, employment increased 0.5% in the region.



Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2017Q1 with preliminary estimates updated to 2017Q3.

# Wage Trends

The average worker in the City of Tyler, TX earned annual wages of \$43,653 as of 2017Q3. Average annual wages per worker increased 1.0% in the region during the preceding four quarters. For comparison purposes, annual average wages were \$54,666 in the nation as of 2017Q3.



Annual average wages per worker data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2017Q1 with preliminary estimates updated to 2017Q3.

# Cost of Living Index

The Cost of Living Index estimates the relative price levels for consumer goods and services. When applied to wages and salaries, the result is a measure of relative purchasing power. The cost of living is 8.2% lower in City of Tyler, TX than the U.S. average.

Cost of Living Information			
	Annual Average Salary	Cost of Living Index (Base US)	US Purchasing Power
City of Tyler, TX	\$43,653	91.8	\$47,552
Texas	\$54,798	94.4	\$58,048
USA	\$54,666	100.0	\$54,666

Source: [JobsEQ®](#)

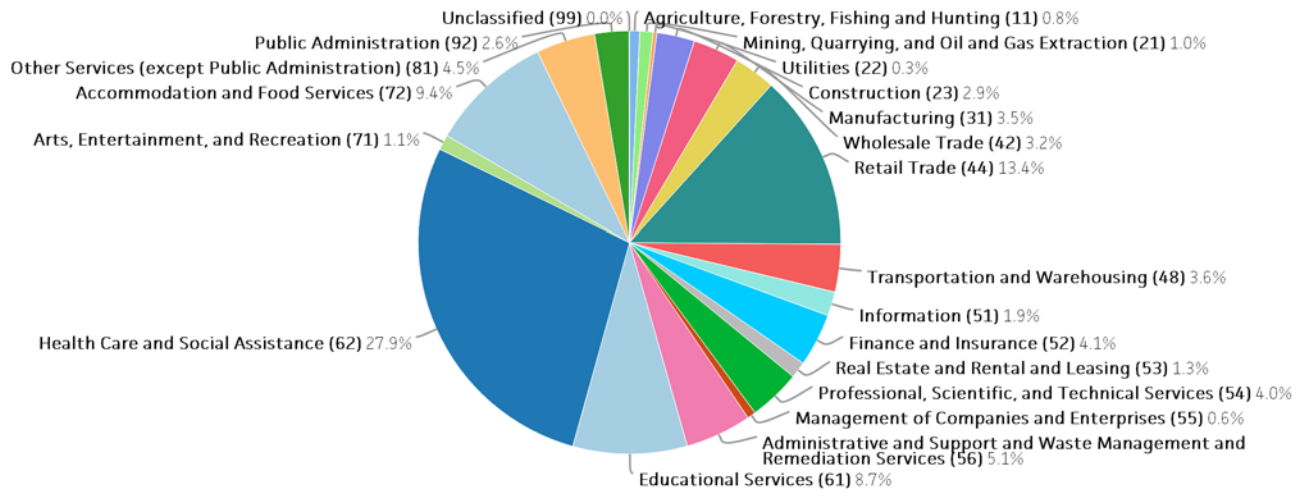
Data as of 2017Q3

Cost of Living per C2ER, data as of 2017q2, imputed by Chmura where necessary.

# Industry Snapshot

The largest sector in the City of Tyler, TX is Health Care and Social Assistance, employing 23,165 workers. The next-largest sectors in the region are Retail Trade (11,121 workers) and Accommodation and Food Services (7,834). High location quotients (LQs) indicate sectors in which a region has high concentrations of employment compared to the national average. The sectors with the largest LQs in the region are Mining, Quarrying, and Oil and Gas Extraction (LQ = 2.52), Health Care and Social Assistance (1.96), and Retail Trade (1.24).

Total Workers for City of Tyler, TX by Industry



Source: JobsEQ®, Data as of 2017Q3

Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2017Q1 with preliminary estimates updated to 2017Q3.

Sectors in the City of Tyler, TX with the highest average wages per worker are Mining, Quarrying, and Oil and Gas Extraction (\$90,005), Management of Companies and Enterprises (\$89,348), and Utilities (\$88,061). Regional sectors with the best job growth (or most moderate job losses) over the last 5 years are Health Care and Social Assistance (+2,475 jobs), Retail Trade (+1,502), and Administrative and Support and Waste Management and Remediation Services (+669).

Over the next 1 year, employment in the City of Tyler, TX is projected to expand by 940 jobs. The fastest growing sector in the region is expected to be Mining, Quarrying, and Oil and Gas Extraction with a +2.1% year-over-year rate of growth. The strongest forecast by number of jobs over this period is expected for Health Care and Social Assistance (+483 jobs), Accommodation and Food Services (+74), and Educational Services (+72).

		Current			Historical				Forecast		
		Four Quarters Ending with 2017q3			Total Change over the Last 5 Years	Average Annual % Change in Employment 2012q3-2017q3			Over the Next 1 Year		
NAICS	Industry	Empl	Avg. Annual Wages	Location Quotient	Empl	City of Tyler, TX	Texas	USA	Total Approx Sep Demand	Total Growth Demand	Avg. Annual Growth Percent
11	Agriculture, Forestry, Fishing and Hunting	658	\$16,828	0.56	55	1.7%	0.4%	0.7%	71	3	0.4%
21	Mining, Quarrying, and Oil and Gas Extraction	833	\$90,005	2.52	-272	-5.5%	-4.2%	-5.3%	85	17	2.1%
22	Utilities	239	\$88,061	0.54	1	0.1%	0.3%	0.2%	22	1	0.6%
23	Construction	2,402	\$45,827	0.52	225	2.0%	3.2%	3.4%	237	29	1.2%
31	Manufacturing	2,939	\$61,071	0.43	-311	-2.0%	-0.3%	0.8%	306	-15	-0.5%
42	Wholesale Trade	2,629	\$51,508	0.81	532	4.6%	1.7%	0.9%	276	11	0.4%
44	Retail Trade	11,121	\$30,168	1.24	1,502	2.9%	2.3%	1.3%	1,488	36	0.3%
48	Transportation and Warehousing	3,017	\$48,030	0.87	422	3.1%	3.3%	2.6%	320	33	1.1%
51	Information	1,537	\$55,411	0.93	-677	-7.0%	0.5%	0.9%	149	-11	-0.7%
52	Finance and Insurance	3,364	\$62,708	1.02	586	3.9%	2.3%	1.1%	319	42	1.2%
53	Real Estate and Rental and Leasing	1,044	\$45,787	0.74	124	2.6%	3.2%	2.0%	106	7	0.6%
54	Professional, Scientific, and Technical Services	3,288	\$69,618	0.61	-36	-0.2%	3.3%	2.3%	283	32	1.0%
55	Management of Companies and Enterprises	533	\$89,348	0.44	1	0.0%	7.8%	2.7%	48	4	0.8%
56	Administrative and Support and Waste Management and Remediation Services	4,202	\$29,910	0.78	669	3.5%	2.6%	2.5%	486	53	1.3%
61	Educational Services	7,243	\$36,369	1.06	431	1.2%	1.7%	0.7%	672	72	1.0%
62	Health Care and Social Assistance	23,165	\$56,727	1.96	2,475	2.3%	2.9%	2.5%	2,188	483	2.1%
71	Arts, Entertainment, and Recreation	940	\$24,370	0.57	58	1.3%	3.5%	2.3%	132	11	1.1%
72	Accommodation and Food Services	7,834	\$16,270	1.05	595	1.6%	3.9%	3.0%	1,270	74	0.9%
81	Other Services (except Public Administration)	3,734	\$24,681	1.02	-239	-1.2%	1.0%	-0.2%	425	27	0.7%
92	Public Administration	2,170	\$54,012	0.55	-74	-0.7%	0.7%	0.1%	200	10	0.5%
99	Unclassified	21	\$15,548	0.10	19	56.4%	32.6%	17.1%	2	0	1.1%
	Total - All Industries	82,912	\$43,653	1.00	6,086	1.5%	2.2%	1.7%	9,080	940	1.1%

Source: [JobsEQ®](#)

Employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and imputed where necessary. Data are updated through 2017Q1 with preliminary estimates updated to 2017Q3. Forecast employment growth uses national projections adapted for regional growth patterns.



# Occupation Snapshot

The largest major occupation group in the City of Tyler, TX is Office and Administrative Support Occupations, employing 12,787 workers. The next-largest occupation groups in the region are Healthcare Practitioners and Technical Occupations (9,310 workers) and Sales and Related Occupations (9,169). High location quotients (LQs) indicate occupation groups in which a region has high concentrations of employment compared to the national average. The major groups with the largest LQs in the region are Healthcare Practitioners and Technical Occupations (LQ = 1.98), Healthcare Support Occupations (1.88), and Legal Occupations (1.31).

Occupation groups in the City of Tyler, TX with the highest average wages per worker are Management Occupations (\$108,900), Healthcare Practitioners and Technical Occupations (\$73,000), and Architecture and Engineering Occupations (\$72,900). The unemployment rate in the region varied among the major groups from 1.3% among Legal Occupations to 6.1% among Food Preparation and Serving Related Occupations.

Over the next 1 year, the fastest growing occupation group in the City of Tyler, TX is expected to be Healthcare Support Occupations with a +2.9% year-over-year rate of growth. The strongest forecast by number of jobs over this period is expected for Healthcare Practitioners and Technical Occupations (+162 jobs) and Healthcare Support Occupations (+126). Over the same period, the highest separation demand (occupation demand due to retirements and workers moving from one occupation to another) is expected in Office and Administrative Support Occupations (1,451 jobs) and Food Preparation and Serving Related Occupations (1,438).

Occupation Snapshot in City of Tyler, TX													
		Current					Historical				Forecast		
		Four Quarters Ending with 2017q3			2017q3		Total Change over the Last 5 Years	Avg Ann % Chg in Empl 2012q3-2017q3			Over the Next 1 Year		
SOC	Occupation	Empl	Avg. Annual Wages <sup>1</sup>	LQ	Unempl	Unempl Rate	Empl	City of Tyler, TX	Texas	USA	Total Sep Demand	Total Growth Demand	Avg. Annual Growth Percent
11-0000	Management	3,588	\$108,900	0.72	39	1.5%	162	0.9%	1.8%	1.5%	288	46	1.3%
13-0000	Business and Financial Operations	3,023	\$69,700	0.71	49	2.7%	212	1.5%	2.4%	1.6%	276	39	1.3%
15-0000	Computer and Mathematical	1,166	\$66,000	0.48	20	2.8%	0	0.0%	3.3%	2.4%	79	12	1.1%
17-0000	Architecture and Engineering	930	\$72,900	0.66	19	3.1%	-153	-3.0%	0.0%	1.0%	73	11	1.1%
19-0000	Life, Physical, and Social Science	431	\$52,000	0.64	6	2.5%	27	1.3%	1.1%	1.1%	39	5	1.2%
21-0000	Community and Social Service	1,495	\$43,300	1.13	16	1.9%	85	1.2%	2.0%	1.9%	168	23	1.5%
23-0000	Legal	889	\$70,700	1.31	6	1.3%	19	0.4%	1.1%	0.4%	64	12	1.4%
25-0000	Education, Training, and Library	5,582	\$42,800	1.20	153	4.7%	280	1.0%	1.7%	0.8%	493	67	1.2%
27-0000	Arts, Design, Entertainment, Sports, and Media	1,094	\$45,100	0.73	18	2.7%	-61	-1.1%	1.5%	1.1%	105	3	0.3%
29-0000	Healthcare Practitioners and Technical	9,310	\$73,000	1.98	71	1.6%	894	2.0%	2.5%	1.7%	521	162	1.7%

### Occupation Snapshot in City of Tyler, TX

		Current					Total Change over the Last 5 Years	Historical			Forecast		
		Four Quarters Ending with 2017q3			2017q3			Avg Ann % Chg in Empl 2012q3-2017q3			Over the Next 1 Year		
SOC	Occupation	Empl	Avg. Annual Wages <sup>1</sup>	LQ	Unempl	Unempl Rate		Empl	City of Tyler, TX	Texas	USA	Total Sep Demand	Total Growth Demand
31-0000	Healthcare Support	4,380	\$33,000	1.88	107	4.8%	362	1.7%	2.6%	2.2%	537	126	2.9%
33-0000	Protective Service	1,412	\$43,700	0.79	26	3.2%	111	1.7%	1.6%	1.0%	142	10	0.7%
35-0000	Food Preparation and Serving Related	8,141	\$21,200	1.14	291	6.1%	702	1.8%	3.8%	2.9%	1,438	82	1.0%
37-0000	Building and Grounds Cleaning and Maintenance	2,977	\$22,200	1.02	92	4.8%	313	2.2%	1.9%	1.0%	386	32	1.1%
39-0000	Personal Care and Service	3,710	\$21,500	1.15	99	4.7%	230	1.3%	3.0%	2.0%	588	107	2.9%
41-0000	Sales and Related	9,169	\$37,200	1.08	209	3.9%	1,194	2.8%	2.2%	1.3%	1,266	34	0.4%
43-0000	Office and Administrative Support	12,787	\$32,900	1.04	310	4.1%	953	1.6%	2.3%	1.7%	1,451	61	0.5%
45-0000	Farming, Fishing, and Forestry	205	\$21,400	0.37	17	5.8%	35	3.9%	1.6%	1.3%	30	1	0.3%
47-0000	Construction and Extraction	2,285	\$37,100	0.61	118	5.4%	70	0.6%	1.9%	2.6%	243	29	1.3%
49-0000	Installation, Maintenance, and Repair	2,706	\$43,200	0.85	56	3.2%	74	0.6%	2.0%	1.6%	264	19	0.7%
51-0000	Production	2,821	\$35,600	0.56	117	5.3%	-117	-0.8%	0.4%	1.2%	319	-2	-0.1%
53-0000	Transportation and Material Moving	4,810	\$33,100	0.86	170	5.3%	692	3.2%	2.7%	2.2%	593	42	0.9%
00-0000	Total - All Occupations	82,912	\$43,600	1.00	n/a	n/a	6,086	1.5%	2.2%	1.7%	9,363	942	1.1%

Source: [JobsEQ®](#)

Data as of 2017Q3 unless noted otherwise

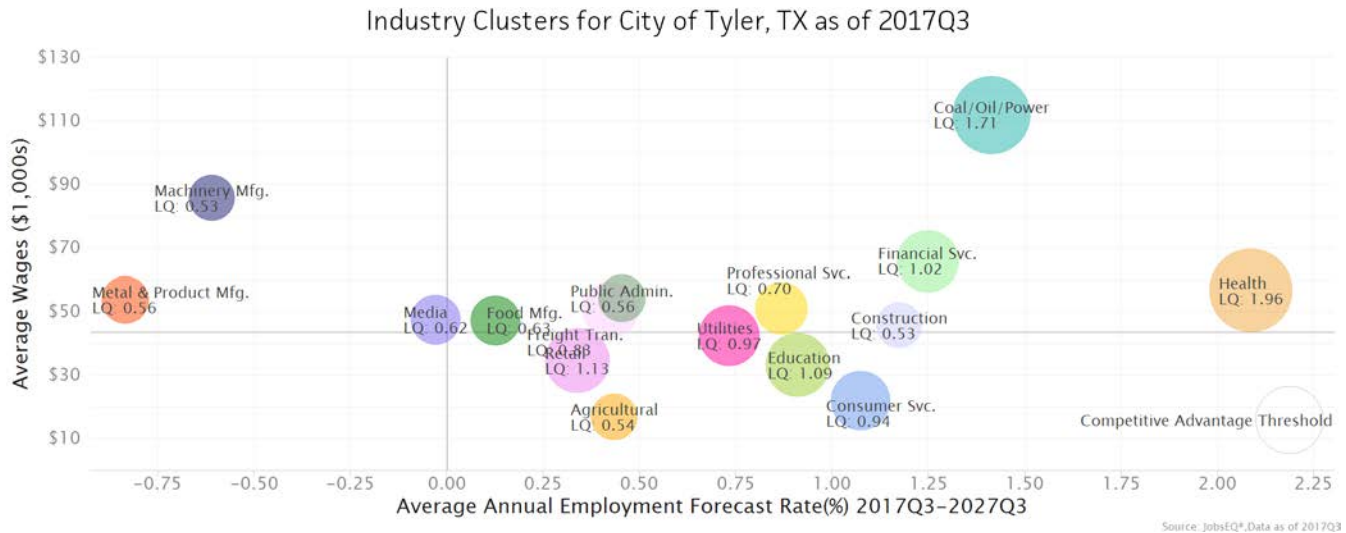
Note: Figures may not sum due to rounding.

1. Occupation wages are as of 2016 and should be taken as the average for all Covered Employment

Occupation employment data are estimated via industry employment data and the estimated industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2017Q1, imputed where necessary with preliminary estimates updated to 2017Q3. Wages by occupation are as of 2016 provided by the BLS and imputed where necessary. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

# Industry Clusters

A cluster is a geographic concentration of interrelated industries or occupations. The industry cluster in the City of Tyler, TX with the highest relative concentration is Health with a location quotient of 1.96. This cluster employs 23,165 workers in the region with an average wage of \$56,617. Employment in the Health cluster is projected to expand in the region about 2.1% per year over the next ten years.



Location quotient and average wage data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics, imputed where necessary, and updated through 2017Q1 with preliminary estimates updated to 2017Q3. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

# Education Levels

Expected growth rates for occupations vary by the education and training required. While all employment in the City of Tyler, TX is projected to grow 1.1% over the next ten years, occupations typically requiring a postgraduate degree are expected to grow 1.8% per year, those requiring a bachelor's degree are forecast to grow 1.3% per year, and occupations typically needing a 2-year degree or certificate are expected to grow 1.4% per year.

Annual Average Projected Job Growth by Training Required for City of Tyler, TX



Employment by occupation data are estimates as of 2017Q3. Education levels of occupations are based on BLS assignments. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns.

# FAQ

## What is a location quotient?

A location quotient (LQ) is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an industry (or occupation) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

## What is separation demand?

Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. The total projected demand for an occupation is the sum of the separation demand and the growth demand (which is the increase or decrease of jobs in an occupation expected due to expansion or contraction of the overall number of jobs in that occupation).

## What is a cluster?

A cluster is a geographic concentration of interrelated industries or occupations. If a regional cluster has a location quotient of 1.25 or greater, the region is considered to possess a *competitive advantage* in that cluster.

## What is the difference between industry wages and occupation wages?

Industry wages and occupation wages are estimated via separate data sets, often the time periods being reported do not align, and wages are defined slightly differently in the two systems (for example, certain bonuses are included in the industry wages but not the occupation wages). It is therefore common that estimates of the average industry wages and average occupation wages in a region do not match exactly.

## What is NAICS?

The North American Industry Classification System (NAICS) is used to classify business establishments according to the type of economic activity. The NAICS Code comprises six levels, from the “all industry” level to the 6-digit level. The first two digits define the top level category, known as the “sector,” which is the level examined in this report.

## What is SOC?

The Standard Occupational Classification system (SOC) is used to classify workers into occupational categories. All workers are classified into one of over 820 occupations according to their occupational definition. To facilitate classification, occupations are combined to form 23 major groups, 96 minor groups, and 449 occupation groups. Each occupation group includes detailed occupations requiring similar job duties, skills, education, or experience.

## About This Report

This report and all data herein were produced by JobsEQ®, a product of Chmura Economics & Analytics. The information contained herein was obtained from sources we believe to be reliable. However, we cannot guarantee its accuracy and completeness.