Economic Overview

Lawrence, KS MSA
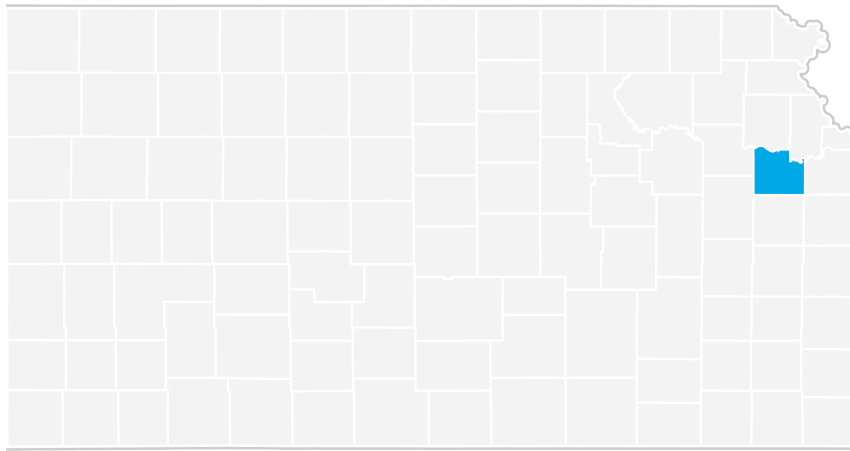
JOBS**EQ**

March 5, 2019

Demographic Profile

The population in the Lawrence, KS MSA was 117,806 per American Community Survey data for 2013-2017.

The region has a civilian labor force of 67,806 with a participation rate of 69.2%. Of individuals 25 to 64 in the Lawrence, KS MSA, 51.2% have a bachelor's degree or higher which compares with 32.3% in the nation.

The median household income in the Lawrence, KS MSA is $54,370 and the median house value is $188,100.

Summary[1]

	Percent			Value		
	Lawrence, KS MSA	Kansas	USA	Lawrence, KS MSA	Kansas	USA
Demographics						
Population (ACS)	—	—	—	117,806	2,903,820	321,004,407
Male	49.5%	49.8%	49.2%	58,348	1,445,980	158,018,753
Female	50.5%	50.2%	50.8%	59,458	1,457,840	162,985,654
Median Age[2]	—	—	—	29.2	36.3	37.8
Under 18 Years	18.9%	24.7%	22.9%	22,266	718,274	73,601,279
18 to 24 Years	24.1%	10.3%	9.7%	28,381	298,805	31,131,484
25 to 34 Years	15.2%	13.2%	13.7%	17,881	383,984	44,044,173
35 to 44 Years	11.2%	12.0%	12.7%	13,150	348,347	40,656,419
45 to 54 Years	9.9%	12.4%	13.4%	11,677	360,925	43,091,143
55 to 64 Years	10.0%	12.6%	12.7%	11,723	367,212	40,747,520
65 to 74 Years	6.4%	8.1%	8.6%	7,512	235,841	27,503,389
75 Years, and Over	4.4%	6.6%	6.3%	5,216	190,432	20,229,000
Race: White	83.0%	84.9%	73.0%	97,758	2,465,518	234,370,202
Race: Black or African American	4.1%	5.8%	12.7%	4,840	168,470	40,610,815
Race: American Indian and Alaska Native	2.3%	0.8%	0.8%	2,754	23,503	2,632,102
Race: Asian	4.9%	2.8%	5.4%	5,717	80,738	17,186,320
Race: Native Hawaiian and Other Pacific Islander	0.0%	0.1%	0.2%	11	1,923	570,116
Race: Some Other Race	1.1%	2.2%	4.8%	1,265	65,253	15,553,808
Race: Two or More Races	4.6%	3.4%	3.1%	5,461	98,415	10,081,044
Hispanic or Latino (of any race)	6.0%	11.5%	17.6%	7,109	334,860	56,510,571
Population Growth						
Population (Pop Estimates)[5]	—	—	—	120,793	2,913,123	325,719,178
Population Annual Average Growth[5]	1.1%	0.5%	0.8%	1,290	12,934	2,448,797
Economic						
Labor Force Participation Rate and Size (civilian population 16 years and over)	69.2%	66.4%	63.3%	67,806	1,491,054	161,159,470
Prime-Age Labor Force Participation Rate and Size (civilian population 25-54)	87.3%	83.9%	81.6%	37,216	907,931	103,761,701
Armed Forces Labor Force	0.1%	0.8%	0.4%	96	18,430	1,024,855
Veterans, Age 18-64	3.2%	5.5%	4.9%	2,671	96,314	9,667,749
Veterans Labor Force Participation Rate and Size, Age 18-64	81.4%	77.2%	75.8%	2,173	74,336	7,326,514
Median Household Income[2]	—	—	—	$54,370	$55,477	$57,652
Per Capita Income	—	—	—	$29,438	$29,600	$31,177
Poverty Level (of all people)	18.7%	12.8%	14.6%	20,437	361,285	45,650,345
Households Receiving Food Stamps	6.9%	8.6%	12.6%	3,090	96,733	15,029,498
Mean Commute Time (minutes)	—	—	—	20.4	19.2	26.4

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	Percent			Value		
	Lawrence, KS MSA	Kansas	USA	Lawrence, KS MSA	Kansas	USA
Commute via Public Transportation	2.1%	0.5%	5.1%	1,340	6,829	7,607,907
Educational Attainment, Age 25-64						
No High School Diploma	4.3%	8.9%	11.4%	2,360	130,159	19,230,541
High School Graduate	16.4%	23.8%	26.0%	8,902	348,251	43,784,920
Some College, No Degree	20.6%	23.9%	21.2%	11,225	349,379	35,803,629
Associate's Degree	7.5%	9.3%	9.0%	4,091	135,513	15,199,517
Bachelor's Degree	28.5%	22.2%	20.5%	15,535	324,671	34,602,913
Postgraduate Degree	22.6%	11.8%	11.8%	12,318	172,495	19,917,735
Housing						
Total Housing Units	—	—	—	49,106	1,259,647	135,393,564
Median House Value (of owner-occupied units)[2]	—	—	—	$188,100	$139,200	$193,500
Homeowner Vacancy	1.6%	1.8%	1.7%	370	13,812	1,346,331
Rental Vacancy	6.4%	7.7%	6.1%	1,521	31,710	2,838,344
Renter-Occupied Housing Units (% of Occupied Units)	48.4%	33.6%	36.2%	21,744	376,502	42,992,786
Occupied Housing Units with No Vehicle Available (% of Occupied Units)	5.9%	5.4%	8.8%	2,674	60,956	10,468,418
Social						
Enrolled in Grade 12 (% of total population)	0.8%	1.4%	1.4%	958	40,634	4,437,324
Disconnected Youth[4]	1.0%	2.2%	2.7%	94	3,566	456,548
Children in Single Parent Families (% of all children)	28.0%	29.8%	34.5%	6,027	204,462	24,106,567
With a Disability, Age 18-64	9.2%	10.8%	10.3%	7,630	184,995	20,276,199
With a Disability, Age 18-64, Labor Force Participation Rate and Size	59.5%	48.7%	41.4%	4,538	90,007	8,395,884
Foreign Born	6.4%	7.0%	13.4%	7,594	203,780	43,028,127
Speak English Less Than Very Well (population 5 yrs and over)	2.5%	4.5%	8.5%	2,814	122,558	25,654,421
Union Membership						
Total[3]	5.7%	8.1%	10.7%	—	—	—
Private Sector[3]	3.3%	5.8%	6.4%	—	—	—
Manufacturing[3]	6.7%	10.8%	8.7%	—	—	—
Public Sector[3]	13.6%	19.0%	35.1%	—	—	—

Source: JobsEQ®

1. American Community Survey 2013-2017, 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.
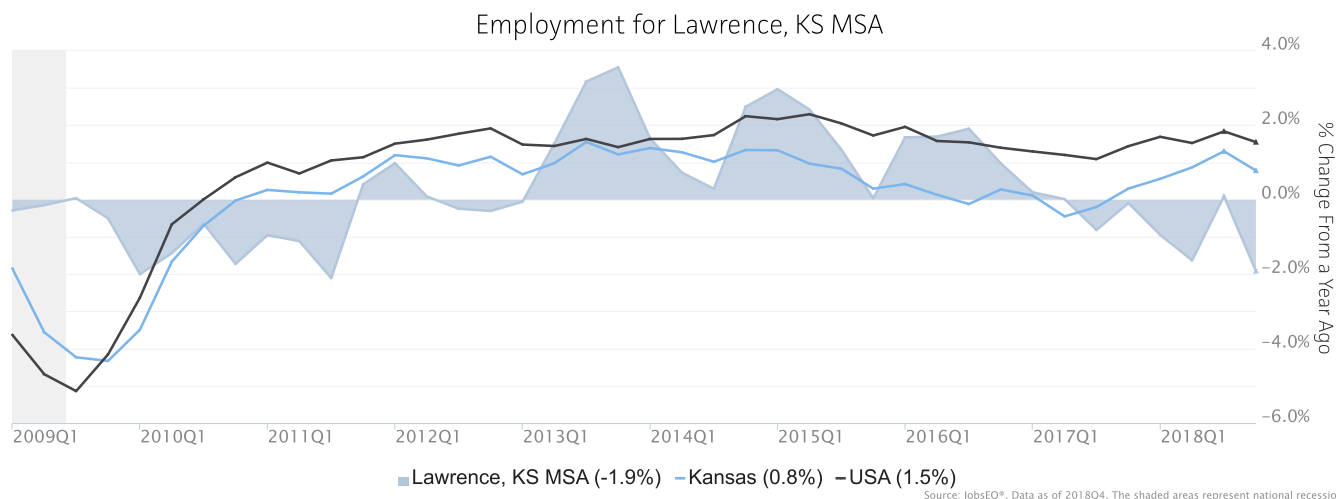3. 2017; Current Population Survey, unionstats.com, and Chmura; county- and zip-level data are best estimates based upon industry-, MSA-, and state-level data
4. Disconnected Youth are 16-19 year olds who are (1) not in school, (2) not high school graduates, and (3) either unemployed or not in the labor force.
5. Census 2017, annual average growth rate since 2007
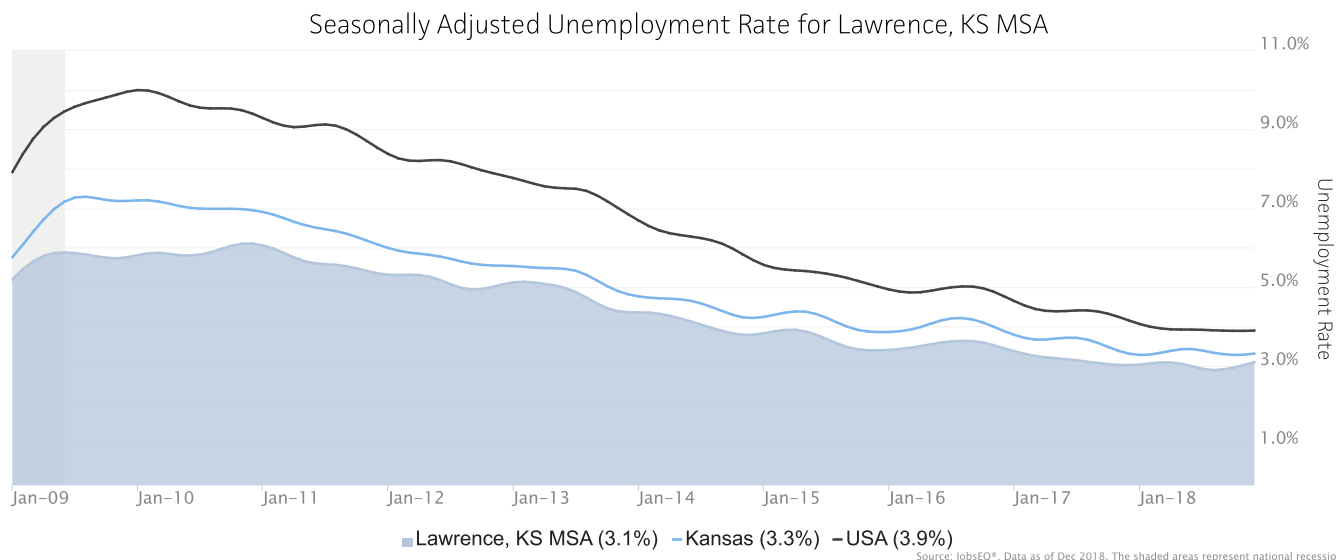
Employment Trends

As of 2018Q4, total employment for the Lawrence, KS MSA was 51,809 (based on a four-quarter moving average). Over the year ending 2018Q4, employment declined 1.9% in the region.

Employment for Lawrence, KS MSA

Lawrence, KS MSA (-1.9%)   Kansas (0.8%)   USA (1.5%)

Source: JobsEQ®. Data as of 2018Q4. The shaded areas represent national recessions.

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 2018Q2 with preliminary estimates updated to 2018Q4.
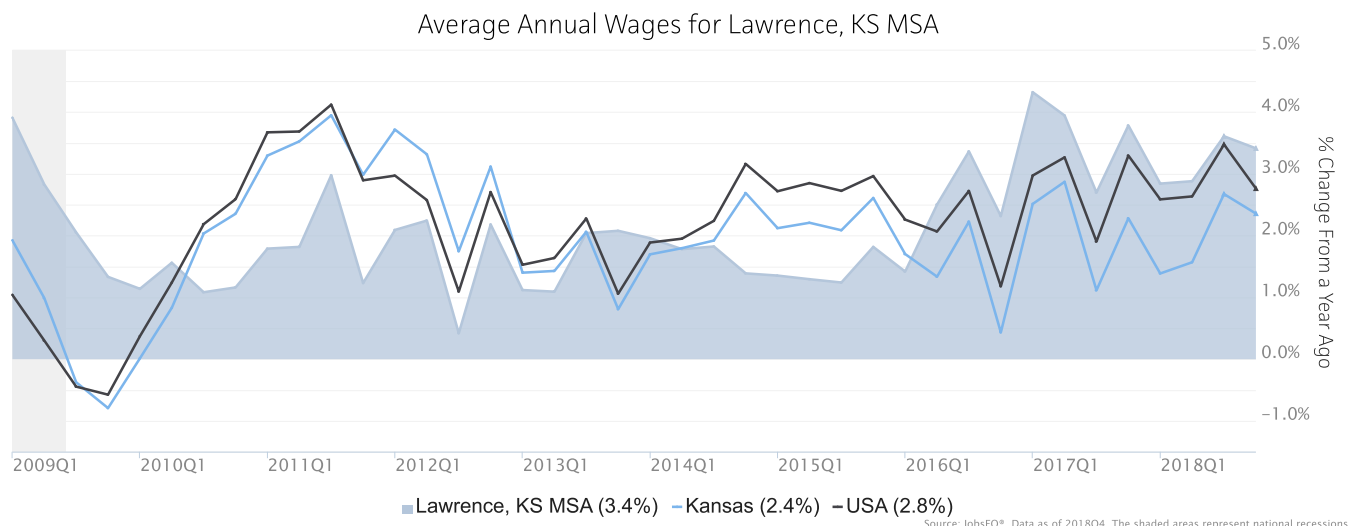
Unemployment Rate

The seasonally adjusted unemployment rate for the Lawrence, KS MSA was 3.1% as of December 2018. The regional unemployment rate was lower than the national rate of 3.9%. One year earlier, in December 2017, the unemployment rate in the Lawrence, KS MSA was 3.0%.

Seasonally Adjusted Unemployment Rate for Lawrence, KS MSA

Lawrence, KS MSA (3.1%)   Kansas (3.3%)   USA (3.9%)

Source: JobsEQ®. Data as of Dec 2018. The shaded areas represent national recessions.

Unemployment rate data are from the Local Area Unemployment Statistics, provided by the Bureau of Labor Statistics and updated through December 2018.

Wage Trends

The average worker in the Lawrence, KS MSA earned annual wages of $36,324 as of 2018Q4. Average annual wages per worker increased 3.4% in the region over the preceding four quarters. For comparison purposes, annual average wages were $55,713 in the nation as of 2018Q4.

Average Annual Wages for Lawrence, KS MSA

Legend: ■ Lawrence, KS MSA (3.4%) — Kansas (2.4%) — USA (2.8%)

Source: JobsEQ®. Data as of 2018Q4. The shaded areas represent national recessions.

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 2018Q2 with preliminary estimates updated to 2018Q4.

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 0.7% lower in Lawrence, KS MSA than the U.S. average.

Cost of Living Information

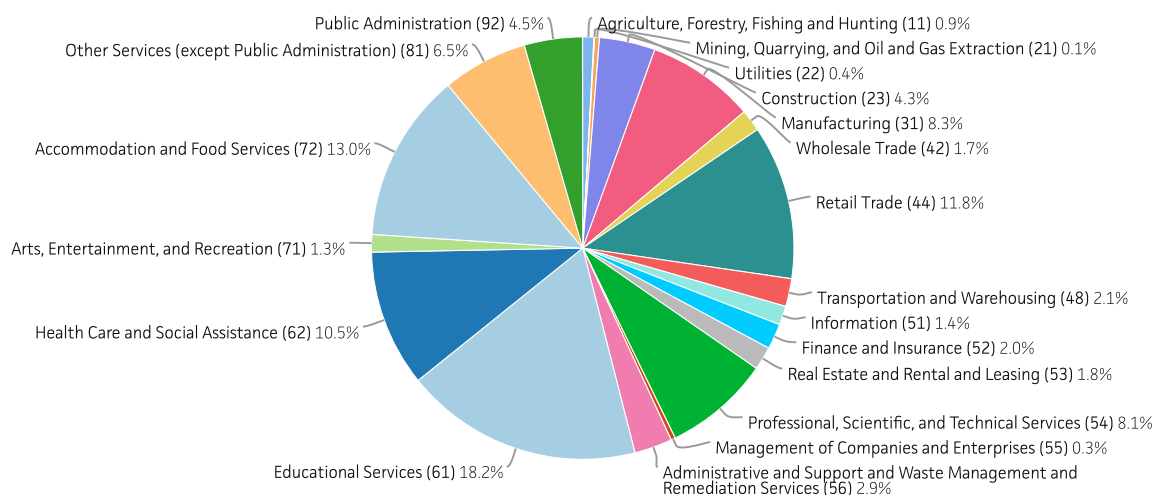|	Annual Average Salary	Cost of Living Index (Base US)	US Purchasing Power
Lawrence, KS MSA	$36,324	99.3	$36,568
Kansas	$45,740	91.7	$49,886
USA	$55,713	100.0	$55,713

Source: JobsEQ®
Data as of 2018Q4
Cost of Living per C2ER, data as of 2018q4, imputed by Chmura where necessary.

Industry Snapshot

The largest sector in the Lawrence, KS MSA is Educational Services, employing 9,439 workers. The next-largest sectors in the region are Accommodation and Food Services (6,715 workers) and Retail Trade (6,113). 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 Educational Services (LQ = 2.23), Other Services (except Public Administration) (1.49), and Accommodation and Food Services (1.44).

Total Workers for Lawrence, KS MSA by Industry

Public Administration (92) 4.5%
Other Services (except Public Administration) (81) 6.5%
Accommodation and Food Services (72) 13.0%
Arts, Entertainment, and Recreation (71) 1.3%
Health Care and Social Assistance (62) 10.5%
Educational Services (61) 18.2%

Agriculture, Forestry, Fishing and Hunting (11) 0.9%
Mining, Quarrying, and Oil and Gas Extraction (21) 0.1%
Utilities (22) 0.4%
Construction (23) 4.3%
Manufacturing (31) 8.3%
Wholesale Trade (42) 1.7%
Retail Trade (44) 11.8%
Transportation and Warehousing (48) 2.1%
Information (51) 1.4%
Finance and Insurance (52) 2.0%
Real Estate and Rental and Leasing (53) 1.8%
Professional, Scientific, and Technical Services (54) 8.1%
Management of Companies and Enterprises (55) 0.3%
Administrative and Support and Waste Management and Remediation Services (56) 2.9%

Source: JobsEQ®,Data as of 2018Q4

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 2018Q2 with preliminary estimates updated to 2018Q4.

Sectors in the Lawrence, KS MSA with the highest average wages per worker are Management of Companies and Enterprises ($87,525), Utilities ($84,090), and Wholesale Trade ($66,312). Regional sectors with the best job growth (or most moderate job losses) over the last 5 years are Manufacturing (+751 jobs), Accommodation and Food Services (+594), and Professional, Scientific, and Technical Services (+582).

Over the next 5 years, employment in the Lawrence, KS MSA is projected to expand by 1,116 jobs. The fastest growing sector in the region is expected to be Health Care and Social Assistance with a +1.7% year-over-year rate of growth. The strongest forecast by number of jobs over this period is expected for Health Care and Social Assistance (+472 jobs), Professional, Scientific, and Technical Services (+257), and Educational Services (+235).

NAICS	Industry	Current — Four Quarters Ending with 2018q4			5-Year History		5-Year Forecast — Separations (Approximate)			---Growth---	
		Empl	Avg Ann Wages	LQ	Total Change Empl	Avg Ann % Chg in Empl Region	Total New Demand	Exits	Transfers	Empl	Avg Ann Rate
11	Agriculture, Forestry, Fishing and Hunting	444	$18,150	0.63	9	0.4%	249	105	137	7	0.3%
21	Mining, Quarrying, and Oil and Gas Extraction	28	$31,522	0.12	-19	-10.1%	16	5	10	1	1.0%
22	Utilities	186	$84,090	0.69	-53	-4.9%	80	30	53	-3	-0.4%
23	Construction	2,221	$44,901	0.76	160	1.5%	1,199	399	712	88	0.8%
31	Manufacturing	4,297	$51,711	1.01	751	3.9%	1,929	805	1,374	-250	-1.2%
42	Wholesale Trade	865	$66,312	0.44	-5	-0.1%	469	173	285	12	0.3%
44	Retail Trade	6,113	$24,322	1.12	127	0.4%	4,095	1,802	2,277	16	0.1%
48	Transportation and Warehousing	1,109	$41,246	0.48	-64	-1.1%	604	252	338	13	0.2%
51	Information	750	$42,375	0.74	-254	-5.7%	341	131	229	-19	-0.5%
52	Finance and Insurance	1,011	$63,764	0.49	-8	-0.2%	480	182	295	3	0.1%
53	Real Estate and Rental and Leasing	931	$36,626	1.04	79	1.8%	524	221	262	41	0.9%
54	Professional, Scientific, and Technical Services	4,222	$46,849	1.22	582	3.0%	2,117	696	1,163	257	1.2%
55	Management of Companies and Enterprises	169	$87,525	0.22	94	17.8%	79	29	48	3	0.3%
56	Administrative and Support and Waste Management and Remediation Services	1,498	$29,278	0.45	-272	-3.3%	936	373	505	57	0.8%
61	Educational Services	9,439	$38,888	2.23	-837	-1.7%	4,647	2,125	2,287	235	0.5%
62	Health Care and Social Assistance	5,424	$36,485	0.73	532	2.1%	3,121	1,302	1,348	472	1.7%
71	Arts, Entertainment, and Recreation	694	$20,755	0.67	7	0.2%	512	221	271	20	0.6%
72	Accommodation and Food Services	6,715	$15,445	1.44	594	1.9%	5,580	2,423	3,049	108	0.3%
81	Other Services (except Public Administration)	3,382	$30,428	1.49	111	0.7%	1,934	878	1,044	12	0.1%
92	Public Administration	2,315	$46,879	0.95	102	0.9%	1,076	452	613	10	0.1%
	Total - All Industries	**51,809**	**$36,324**	**1.00**	**1,635**	**0.6%**	**29,664**	**12,233**	**16,315**	**1,116**	**0.4%**

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 2018Q2 with preliminary estimates updated to 2018Q4. Forecast employment growth uses national projections adapted for regional growth patterns.

Occupation Snapshot

The largest major occupation group in the Lawrence, KS MSA is Office and Administrative Support Occupations, employing 6,826 workers. The next-largest occupation groups in the region are Food Preparation and Serving Related Occupations (6,544 workers) and Education, Training, and Library Occupations (5,293). 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 Education, Training, and Library Occupations (LQ = 1.82), Arts, Design, Entertainment, Sports, and Media Occupations (1.58), and Food Preparation and Serving Related Occupations (1.48).

Occupation groups in the Lawrence, KS MSA with the highest average wages per worker are Management Occupations ($88,000), Computer and Mathematical Occupations ($83,100), and Healthcare Practitioners and Technical Occupations ($75,200). The unemployment rate in the region varied among the major groups from 1.1% among Legal Occupations to 6.2% among Farming, Fishing, and Forestry Occupations.

Over the next 5 years, the fastest growing occupation group in the Lawrence, KS MSA is expected to be Healthcare Support Occupations with a +1.8% year-over-year rate of growth. The strongest forecast by number of jobs over this period is expected for Education, Training, and Library Occupations (+202 jobs) and Food Preparation and Serving Related Occupations (+149). Over the same period, the highest separation demand (occupation demand due to retirements and workers moving from one occupation to another) is expected in Food Preparation and Serving Related Occupations (5,636 jobs) and Office and Administrative Support Occupations (3,769).

Occupation Snapshot in Lawrence, KS MSA, 2018q4

| | | Current | | | | | 5-Year History | | 5-Year Forecast | | | | |
| | | Four Quarters Ending with 2018q4 | | | -----2018q4----- | | | Total Change | Avg Ann % Chg in Empl | | --Separations-- | | ---Growth--- |
SOC	Occupation	Empl	Avg Ann Wages[1]	LQ	Unempl	Unempl Rate	Online Job Ads[2]	Empl	Region	Total New Demand	Exits	Transfer	Empl	Avg Ann Rate
11-0000	Management	3,070	$88,000	0.98	60	1.5%	152	70	0.5%	1,302	453	751	99	0.6%
13-0000	Business and Financial Operations	2,046	$63,900	0.76	73	2.3%	94	-172	-1.6%	1,006	313	622	71	0.7%
15-0000	Computer and Mathematical	1,877	$83,100	1.22	54	2.2%	88	682	9.4%	795	167	481	147	1.5%
17-0000	Architecture and Engineering	661	$69,200	0.74	20	2.1%	32	91	3.0%	266	86	157	22	0.7%
19-0000	Life, Physical, and Social Science	487	$61,900	1.16	10	1.5%	35	-54	-2.1%	236	66	154	16	0.6%
21-0000	Community and Social Service	958	$39,800	1.14	23	1.5%	61	59	1.3%	600	202	336	62	1.3%
23-0000	Legal	305	$67,700	0.72	5	1.1%	4	14	1.0%	104	39	56	10	0.7%
25-0000	Education, Training, and Library	5,293	$52,400	1.82	104	1.6%	191	-494	-1.8%	2,489	1,171	1,116	202	0.8%
27-0000	Arts, Design, Entertainment, Sports, and Media	1,459	$37,500	1.58	35	2.1%	50	30	0.4%	773	323	430	20	0.3%
29-0000	Healthcare Practitioners and Technical	2,246	$75,200	0.76	41	1.3%	90	141	1.3%	755	311	297	148	1.3%
31-0000	Healthcare Support	933	$28,700	0.65	37	3.3%	65	58	1.3%	655	292	276	87	1.8%
33-0000	Protective Service	948	$43,700	0.85	33	2.8%	27	44	1.0%	544	263	274	6	0.1%
35-0000	Food Preparation and Serving Related	6,544	$24,600	1.48	339	4.9%	268	392	1.2%	5,786	2,505	3,131	149	0.5%
37-0000	Building and Grounds Cleaning and Maintenance	1,682	$27,200	0.94	75	4.1%	82	29	0.3%	1,108	518	546	45	0.5%

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Occupation Snapshot in Lawrence, KS MSA, 2018q4

SOC	Occupation	Current						5-Year History		5-Year Forecast				
		Four Quarters Ending with 2018q4			-----2018q4-----			Total Change	Avg Ann % Chg in Empl		--Separations--		---Growth---	
		Empl	Avg Ann Wages[1]	LQ	Unempl	Unempl Rate	Online Job Ads[2]	Empl	Region	Total New Demand	Exits	Transfer	Empl	Avg Ann Rate
39-0000	Personal Care and Service	2,225	$25,400	1.01	68	2.8%	80	31	0.3%	1,847	869	846	133	1.2%
41-0000	Sales and Related	5,099	$34,600	0.98	201	3.2%	416	105	0.4%	3,582	1,581	1,986	16	0.1%
43-0000	Office and Administrative Support	6,826	$33,200	0.91	264	3.1%	347	15	0.0%	3,668	1,765	2,004	-101	-0.3%
45-0000	Farming, Fishing, and Forestry	98	$29,000	0.29	4	6.2%	1	12	2.7%	71	18	54	-1	-0.1%
47-0000	Construction and Extraction	1,837	$43,900	0.77	66	3.7%	37	116	1.3%	1,008	331	610	67	0.7%
49-0000	Installation, Maintenance, and Repair	1,760	$44,500	0.89	37	2.2%	100	49	0.6%	886	320	527	39	0.4%
51-0000	Production	3,245	$34,700	1.04	98	3.3%	101	384	2.5%	1,564	646	1,084	-166	-1.0%
53-0000	Transportation and Material Moving	2,211	$31,800	0.62	116	4.1%	257	32	0.3%	1,372	555	798	20	0.2%
	Total - All Occupations	**51,809**	**$43,200**	**1.00**	**n/a**	**n/a**	**2,579**	**1,635**	**0.6%**	**30,443**	**12,792**	**16,535**	**1,116**	**0.4%**

Source: JobsEQ®
Data as of 2018Q4 unless noted otherwise
Note: Figures may not sum due to rounding.
1. Occupation wages are as of 2017 and should be taken as the average for all Covered Employment
2. Data represent found online ads active within the last thirty days in the selected region; data represents a sampling rather than the complete universe of postings. Ads lacking zip code information but designating a place (city, town, etc.) may be assigned to the zip code with greatest employment in that place for queries in this analytic. Due to alternative county-assignment algorithms, ad counts in this analytic may not match that shown in RTI (nor in the popup window ad list).

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 2018Q2, imputed where necessary with preliminary estimates updated to 2018Q4. Wages by occupation are as of 2017 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 Lawrence, KS MSA with the highest relative concentration is Textile/Leather with a location quotient of 2.95. This cluster employs 388 workers in the region with an average wage of $27,890. Employment in the Textile/Leather cluster is projected to contract in the region about 2.5% per year over the next ten years.
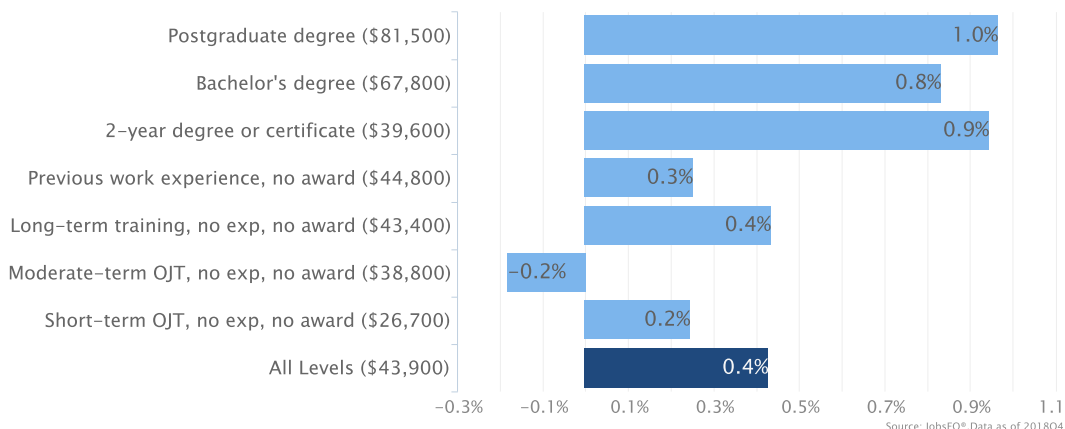
Industry Clusters for Lawrence, KS MSA as of 2018Q4

Source: JobsEQ®,Data as of 2018Q4
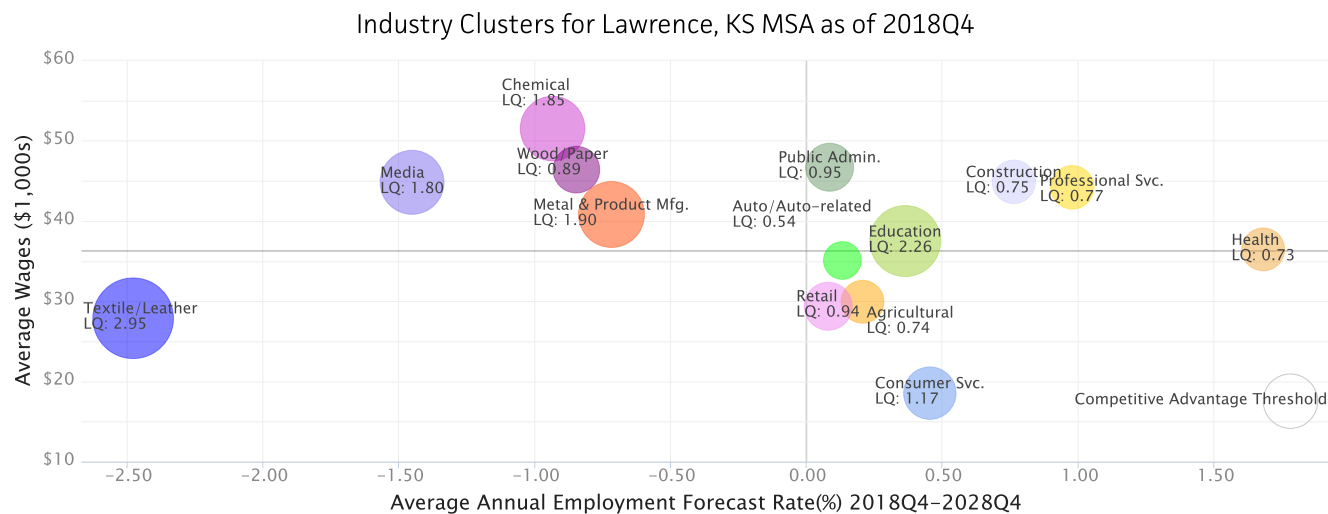
Location quotient and average wage data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics, imputed where necessary, and updated through 2018Q2 with preliminary estimates updated to 2018Q4. Forecast employment growth uses national projections from 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 Lawrence, KS MSA is projected to grow 0.4% over the next ten years, occupations typically requiring a postgraduate degree are expected to grow 1.0% per year, those requiring a bachelor's degree are forecast to grow 0.8% per year, and occupations typically needing a 2-year degree or certificate are expected to grow 0.9% per year.

Annual Average Projected Job Growth by Training Required for Lawrence, KS MSA

Category	Growth
Postgraduate degree ($81,500)	1.0%
Bachelor's degree ($67,800)	0.8%
2-year degree or certificate ($39,600)	0.9%
Previous work experience, no award ($44,800)	0.3%
Long-term training, no exp, no award ($43,400)	0.4%
Moderate-term OJT, no exp, no award ($38,800)	−0.2%
Short-term OJT, no exp, no award ($26,700)	0.2%
All Levels ($43,900)	0.4%

Source: JobsEQ®, Data as of 2018Q4

Employment by occupation data are estimates are as of 2018Q4. 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.

JOBSeq

Gross Domestic Product

Gross Domestic Product (GDP) is the total value of goods and services produced by a region. In 2017, nominal GDP in the Lawrence, KS MSA expanded 3.3%. This follows growth of 5.1% in 2016. As of 2017, total GDP in the Lawrence, KS MSA was $4,325,094,000.
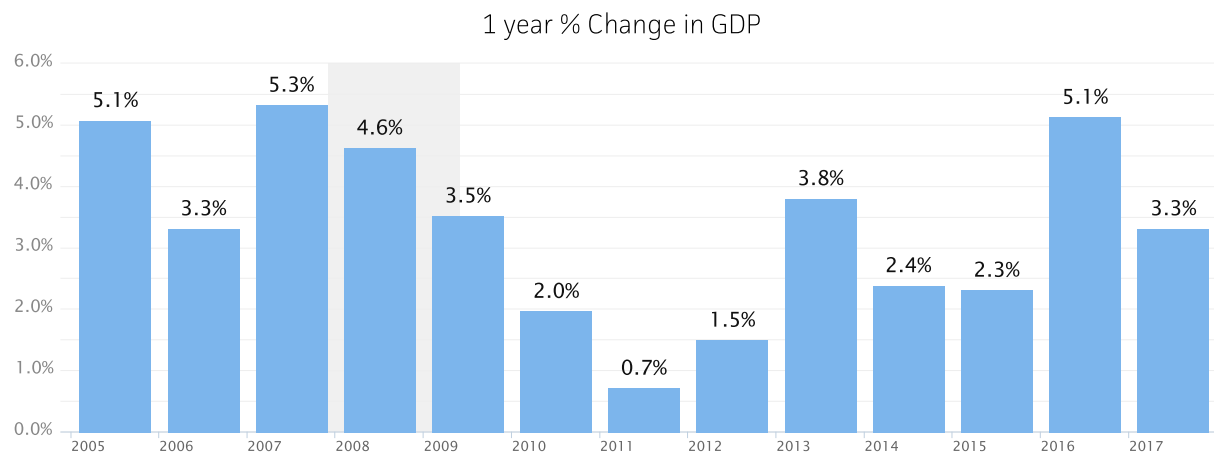
1 year % Change in GDP

Gross Domestic Product data are provided by the Bureau of Economic Analysis, imputed by Chmura where necessary, updated through 2017.

Of the sectors in the Lawrence, KS MSA, Real Estate and Rental and Leasing contributed the largest portion of GDP in 2017, $742,415,000 The next-largest contributions came from Educational Services ($678,920,000); Manufacturing ($507,585,000); and Retail Trade ($361,585,000).
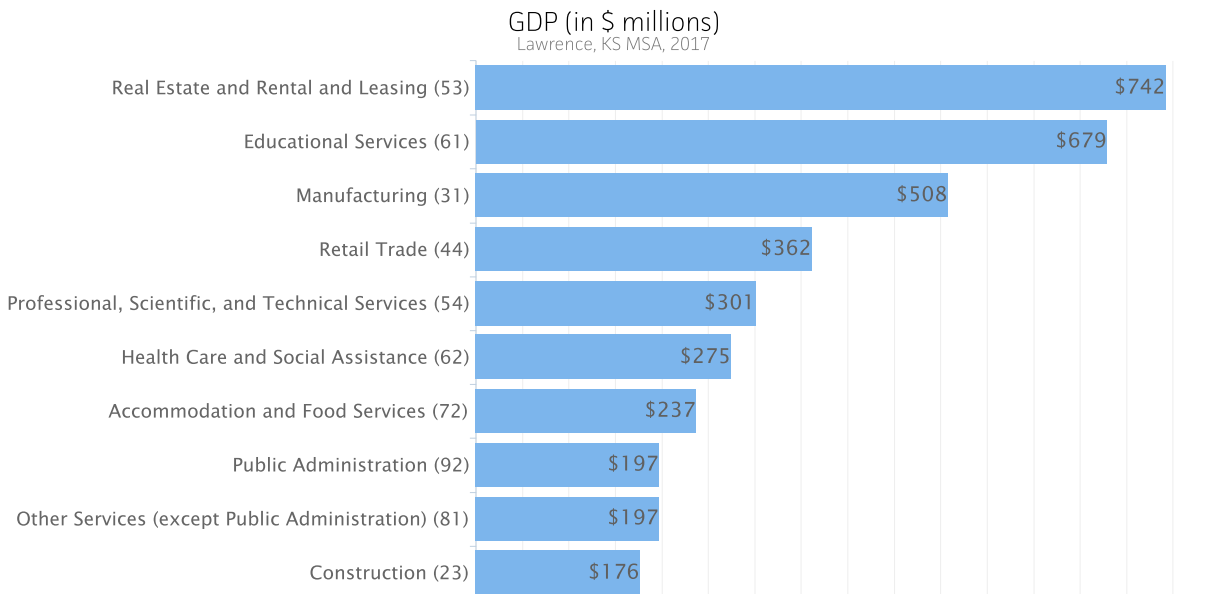
GDP (in $ millions)
Lawrence, KS MSA, 2017

Gross Domestic Product data are provided by the Bureau of Economic Analysis, imputed by Chmura where necessary, updated through 2017.

Region Definition

Lawrence, KS MSA is defined as the following counties: Douglas County, Kansas

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