



Arapahoe County Colorado Demographics

Employment by District

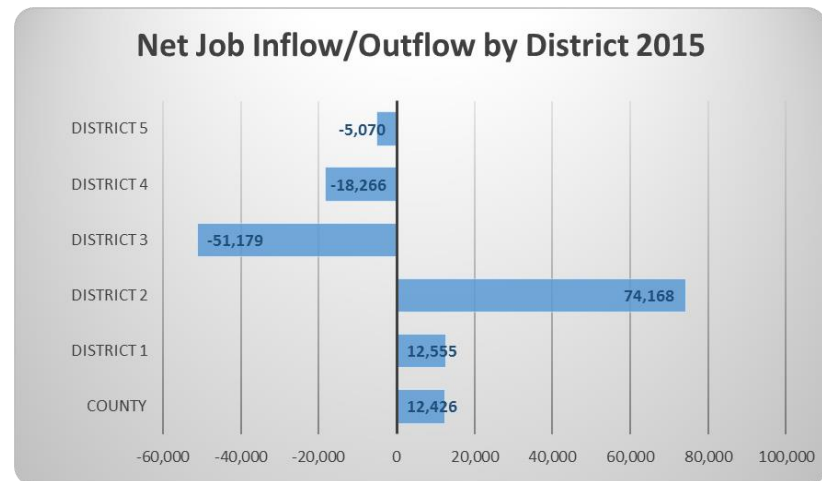
The Colorado Department of Labor and Employment and the U.S. Census Bureau have entered into a program known as the Local Employment Dynamics partnership (LED). This program provides employment information at geographic levels as low as the Census Block, enabling the creation of employment data for the county commissioner districts. One of the most unique aspects of this dataset is the ability to match employment by place of work with the residence of the workers. The most recent dataset available from LED is for the 2015 calendar year.

Subarea	Primary Jobs
County Total	298,128
District 1	70,037
District 2	133,609
District 3	11,819
District 4	38,088
District 5	44,575

In 2015, employees working in Arapahoe County and covered by the LED programs totaled 298,000.¹ District 2, with areas such as the Denver Tech Center, contains 133,600 of these jobs, or 44.8 percent of all primary jobs in the county. District 3 had the smallest number of jobs at 11,800.

One way of looking at jobs/worker balance is to compare the number of jobs in an area to the number of workers living in that area. Using this indicator, the county had about 12,400 more jobs than workers.

District 2 had the highest need for outside workers (74,000) while district 3 had the greatest shortage of jobs for its workers (51,100). District 5 was the closest to balance with 5,100 more workers than jobs.



However, even in District 5, most of the existing resident workers went outside of the district to work (44,600 of the 49,600 resident workers). Among the five districts, District 2 had the most workers who both live and work in that district at 14,500. District 3 had the fewest at 2,800. Still, if the characteristic is the percentage of those employed in a district that also lived there, District 3 had the highest percentage, 23.5 percent, since there were only 11,800 jobs in the district. In all of the other districts, the percentage of resident workers was in the low teens. At the county level, the percentage of people who both live and work in the county was much higher, 34.4 percent. Many of the workers, who leave their commissioner district to work, still stayed within the county but in a different district.

¹ In order to simplify the “commuting” data in this section, only “primary jobs” are reported. This excludes any second jobs held by employees living and/or working in the geographic area. Of the total jobs in the county, about 20,000 are secondary positions.



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The LED dataset provides some additional employment information about the people working in the five districts of Arapahoe County. The blue highlighted items in the table show the district with the highest percentage of the county’s total workers in a specific industry for 2015, while the red shows the district with the lowest share for that industry. For example, District 1 had the highest shares of workers in public administration, due to the county offices and several municipal buildings. This District also had the second most employees in agriculture, forestry, fishing and hunting (These data do not include self-employed farmers or their families, who resided mostly in District 3); manufacturing; and retail trade. District 3, which likely contains all of the self-employed farmers, led with most for agricultural workers. District 4 residents had the county lead in utilities and tied with District 1 for health services, with the two Districts containing the County’s hospitals. District 5 had one third of the educational services employment with all of the Aurora Public Schools workers counted in the District.

Share of Workers by Place of Work, 2015

District 1	District 2	District 3	District 4	District 5	Industrial sector
34.6%	9.9%	38.3%	11.1%	6.2%	Agriculture, Forestry, Fishing and Hunting
11.5%	70.2%	4.5%	5.7%	8.0%	Mining, Quarrying, and Oil and Gas Extraction
14.6%	16.3%	4.5%	64.6%	0.0%	Utilities
39.6%	38.7%	4.2%	5.0%	12.5%	Construction
54.3%	38.3%	1.2%	3.8%	2.4%	Manufacturing
27.3%	59.2%	2.5%	8.6%	2.4%	Wholesale Trade
26.2%	24.6%	9.4%	17.0%	22.7%	Retail Trade
34.1%	48.3%	7.3%	4.8%	5.5%	Transportation and Warehousing
17.7%	68.5%	2.1%	9.9%	1.8%	Information
5.8%	79.7%	1.1%	6.4%	7.0%	Finance and Insurance
13.9%	52.4%	4.1%	13.8%	15.9%	Real Estate and Rental and Leasing
10.8%	59.1%	3.7%	8.7%	17.8%	Professional, Scientific, and Technical Services
18.3%	71.4%	1.8%	1.4%	7.1%	Management of Companies and Enterprises
24.3%	35.5%	2.2%	15.8%	22.4%	Administration & Support, Waste Management and Remediation
20.9%	40.1%	1.6%	2.8%	34.6%	Educational Services
30.5%	24.0%	2.6%	30.2%	12.6%	Health Care and Social Assistance
21.4%	56.2%	7.0%	7.4%	8.1%	Arts, Entertainment, and Recreation
20.8%	35.6%	9.4%	19.7%	14.5%	Accommodation and Food Services
27.4%	36.4%	7.2%	14.3%	14.6%	Other Services (excluding Public Administration)
55.4%	20.9%	0.1%	2.3%	21.4%	Public Administration



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The American Community Survey provides some additional employment information about the people living in the five districts of Arapahoe County and current as of 2016. Employed persons in 2016 ranged from 66,500 in District 3 to 59,800 in District 5. Since the number of employed persons 16 and over is about the same in each District (about 64,000 people), the next table uses the percentages of occupations for persons who live in the District. For example, 13.0 percent of the persons who live in District 1 reported their occupation as “management.” The blue highlighting shows the occupation with the highest share of residents in each District. Three of the Districts showed “service” occupations as the most common occupation. District 2 had “management” as the largest group while District 3 had 13.9 percent reporting “office and administrative support.”

Percentages	District 1	District 2	District 3	District 4	District 5	County
Management	13.0%	15.8%	12.8%	9.4%	6.4%	11.6%
Business and Financial	7.4%	8.9%	7.1%	5.5%	3.5%	6.5%
Computer, engineering, and science	7.8%	11.1%	8.8%	5.9%	3.7%	7.6%
Education, legal, community service, arts, and media	12.2%	12.5%	10.7%	9.6%	6.3%	10.3%
Healthcare practitioner and technical	5.5%	5.5%	5.8%	5.6%	3.4%	5.2%
Service	14.4%	11.3%	13.9%	19.8%	24.3%	16.6%
Sales and related	13.5%	13.0%	12.0%	10.6%	10.0%	11.9%
Office and administrative support	12.3%	10.9%	13.9%	16.2%	15.6%	13.8%
Natural resources, construction, and maintenance	7.8%	5.0%	6.6%	6.7%	13.8%	7.9%
Production, transportation, and material moving	6.0%	5.9%	8.3%	10.8%	13.0%	8.7%



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The “healthcare practitioner and technical occupations” were the smallest group in all Districts except District 2. The Census groups this sector in with the other management, business, and education occupations so it was like an “all other” group. In District 2, the “natural resources, construction, and maintenance occupations” were the smallest group.

The table below shows the change in the number of persons of each occupational group between 2010 and 2016. The green shading highlights the occupations that grew during the six years. For example, the “management occupations” grew by almost 1,800 persons in District 1, so that is the darkest green cell. The red highlighting shows the groups that had the least growth or even losses between 2010 and 2016. The construction sector was one of the sectors most seriously hurt by the Great Recession so it is reasonable that the “natural resources, construction, and maintenance occupations showed the greatest declines in all Districts except Districts 2 and 5. The “management” and “service” occupations dominate the growth across the Districts.

District	Change 2010-2016					
	District 1	District 2	District 3	District 4	District 5	County
Civilian employed population	6416	4035	13045	6513	5182	35191
Management	1792	1103	1911	1294	605	6705
Business and Financial	675	733	806	194	-312	2096
Computer, engineering, and science	847	1328	1193	32	-302	3098
Education, legal, community service, arts, and media	1494	121	2424	1445	550	6034
Healthcare practitioner and technical	692	372	1053	1309	344	3770
Service	294	341	2631	1943	2677	7886
Sales and related	1729	-807	1141	27	263	2353
Office and administrative support	-330	-88	675	64	329	650
Natural resources, construction, and maintenance	-36	358	-120	-1170	197	-771
Production, transportation, and material moving	-741	574	1331	1375	831	3370



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Since the ACS reports information by place of residence, the data by industry are somewhat different than the Quarterly Workforce Indicators. The chart below shows the industries where residents of each district worked in 2016. In every district, Education and Health industry employees were the major residents. The second largest group was the Professional industry (such as lawyers, engineering companies, etc.). It is interesting that Public Administration employees tended to live in District 3, which has few government offices.

