

APPENDIX D:

TECHNICAL MEMORANDUM:

SUPPORTING DATA AND ANALYSIS FOR ECONOMIC DEVELOPMENT CHAPTER OF 2022 ADVANCING ADAMS COMPREHENSIVE PLAN



Economic Development



INTRODUCTION

Colorado counties produce comprehensive plans to both coordinate a variety of long-range plans and to implement land use policy. A comprehensive plan articulates the vision and goals necessary to provide for orderly growth and development in both the short and long-run. (See C.R.S. 30-28-106 and 31-23-206.) Plan elements typically address a variety of topics that present ongoing challenges to achieving the vision or represent a desired future state component of the vision.

Adams County's last comprehensive plan update was completed in 2012. Since 2012, the county's population and employment base have grown significantly. The impact of these trends is observable in not only changes to the built environment, but also in the context of broader economic, social and environmental changes within the county. It is this growth and change that necessitates an update to the comprehensive plan.

The purpose of this memorandum is to provide background and supporting information and analysis for the economic development element of the 2022 comprehensive plan update. Through the use and analysis of local employment data this memorandum includes information on the economic profile of the county. Specifically, industry growth and size, industry concentration, wages, and projected job growth. This memorandum does not include any policy recommendations; those are reserved for the comprehensive plan itself, specifically in Chapter 6 on Economic Development. In addition, the level of analysis in this memorandum is intentionally general in nature. Industries and employment are examined at a "super-sector" level. A more detailed analysis, as related to both specific geographies within the county, and for specific industry sectors, is more appropriate as a part of plan implementation and/or as part of an explicit economic development strategy in support of the comprehensive plan goals and objectives.

STUDY AREA AND GEOGRAPHY

The study area for this analysis includes data reflecting Adams County as a whole, both unincorporated and incorporated places. This approach is appropriate for this comprehensive planning effort because:

- The purpose of Chapter 6 is to describe general economic trends, identify potential actions in support of land use objectives, and inform land use definitions articulated in Chapter 2. A forthcoming economic development strategic plan will address county economic conditions and trends at a more detailed industry level, for more specific geographies, and with respect to changes in economic conditions over time.
- Similar to watersheds and transportation systems, economic boundaries do not follow government jurisdictional boundaries. That is, what happens in one jurisdiction in the county impacts activities across municipal boundaries and in the unincorporated portions of the county.
- Economic investments in unincorporated and incorporated areas of the county have fiscal impacts for Adams County government, primarily through property tax revenues.
- As discussed in the next subsection of this memo, "super-sector" data is readily available at the county level, while more detailed data – as defined and reported as a part of the North American Industry Classification System (NAICS) – requires substantially more effort to acquire and analyze and will be used in the economic development strategic plan. In addition, the "super-sector" data provides sufficient explanatory information for a comprehensive planning effort.

DATA SOURCES AND INDUSTRY DEFINITIONS

Two primary sources of data are used for this analysis, the Quarterly Census of Employment and Wages or QCEW, and data from the annual U.S. Census Bureau’s report of Non-Employer Statistics (NES). Both are described in greater detail below.

QUARTERLY CENSUS OF EMPLOYMENT AND WAGES (QCEW)

QCEW data is published by the U.S. Bureau of Labor Statistics (BLS) and provides a quarterly, comprehensive accounting of employment and wages for workers covered by unemployment insurance. The data is then aggregated to various geographic and industry sector levels using the NAICS codes.

For this analysis, data at the Adams County level is used to identify and describe trends at the “super-sector” level. That is, groups of NAICS sectors that represent components of both the goods-producing and service-producing sectors. The relationship between respective super-sectors and NAICS sectors are shown in the table below.

QCEW High-Level Industry Crosswalk

Total	Domain	Super-Sector	NAICS-Sector	
10 Total, All Industries	101 Goods-Producing	1011 Natural Resources and Mining	NAICS 11 Agriculture, Forestry, Fishing, and Hunting NAICS 21 Mining	
		1012 Construction	NAICS 23 Construction	
		1013 Manufacturing	NAICS 31-33 Manufacturing	
	102 Service-Providing	1021 Trade, Transportation, and Utilities		NAICS 42 Wholesale Trade NAICS 44-45 Retail Trade NAICS 48-49 Transportation and Warehousing
				NAICS 22 Utilities
			1022 Information	NAICS 51 Information
			1023 Financial Activities	NAICS 52 Finance and Insurance NAICS 53 Real Estate and Rental and Leasing
		1024 Professional and Business Services		NAICS 54 Professional, Scientific and Technical Services NAICS 55 Management of Companies and Enterprises NAICS 56 Administrative and Waste Services
				NAICS 61 Educational Services
			1025 Education and Health Services	NAICS 62 Health Care and Social Assistance
				NAICS 71 Arts, Entertainment, and recreation NAICS 72 Accommodation and Food Services
			1026 Leisure and Hospitality	
				NAICS 81 Other Services (Except Public Administration)
			1027 Other Services	NAICS 92 Public Administration
			1028 Public Administration	
	1029 Unclassified	NAICS 99 Unclassified		

Source: BLS Quarterly Census of Employment and Wages

One of the most significant limitations of QCEW data is that it does not include all jobs – that is, not all businesses have employees –specifically the self-employed are not included in QCEW data. Long-term studies of the relationship between employment covered by unemployment insurance (i.e. QCEW data) and non-employers who are self-employed indicate that employed workers represent approximately 80% to 85% of all jobs. To augment QCEW employment data, information from the annual census of Non-Employer Statistics is used to estimate total jobs.

RELEVANT MEASURES & ANALYTICS

NON-EMPLOYER STATISTICS (NES)

Non-employer statistics (NES) is an annual series of the U.S. Census Bureau that provides data for businesses that have no employees but are subject to federal income taxes. The majority of business establishments nationally are classified as non-employers but represent less than 4% of all sales and receipts. Most of these firms are sole proprietorships with no payroll. The primary data reported in this series includes number of businesses and total receipts by industry.

RELEVANT MEASURES AND ANALYTICS

DISTRIBUTION OF INDUSTRY ACTIVITY BY SECTOR AND INDUSTRY GROWTH

Total covered employment by industry super-sector and year from 2000 to 2020 are shown in Figure D-1, and growth by sector is shown in Figure D-2.

FIGURE D-1.1
Total Covered Employment* by Year and Industry Sector 2000 to 2010
Adams County, Colorado

Industry	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
10 Total, all industries	144,502	146,043	144,052	139,987	141,343	147,682	152,738	154,072	155,118	150,163	147,987
Federal Government	2,851	2,724	2,759	2,635	2,487	2,680	2,616	2,502	1,392	1,696	1,735
State Government	1,772	1,806	1,833	1,794	1,759	1,799	1,727	1,718	2,028	3,299	3,432
Local Government	12,982	13,520	14,559	14,938	15,351	15,787	16,353	16,556	16,818	17,078	16,947
10 Total, all <i>private</i> industries	126,897	127,993	124,902	120,620	121,747	127,417	132,042	133,296	134,881	128,090	125,873
101 Goods-producing	36,212	37,436	35,680	31,948	31,811	33,143	34,251	31,975	30,612	26,968	25,481
1011 Natural resources and mining	1,688	1,660	1,545	1,399	1,218	1,379	1,463	1,230	1,414	1,309	1,164
1012 Construction	17,892	20,159	19,471	17,346	17,249	17,738	18,685	17,232	16,678	14,857	13,578
1013 Manufacturing	16,631	15,617	14,664	13,204	13,344	14,026	14,103	13,514	12,519	10,803	10,739
102 Service-providing	90,685	90,558	89,223	88,672	89,936	94,274	97,791	101,321	104,269	101,122	100,392
1021 Trade, transportation, and utilities	45,174	44,681	43,427	42,226	42,219	44,056	44,564	45,872	46,269	43,699	43,113
1022 Information	2,809	2,530	1,974	1,903	-	1,983	2,059	2,149	2,204	2,199	1,992
1023 Financial activities	5,256	5,643	5,667	6,038	6,038	5,751	5,900	5,918	5,817	5,513	5,269
1024 Professional and business services	13,441	13,135	13,189	13,513	13,876	14,834	16,316	16,439	16,266	15,780	16,106
1025 Education and health services	8,539	9,050	9,337	9,836	10,348	11,051	11,780	13,143	15,291	16,028	16,500
1026 Leisure and hospitality	11,305	11,301	11,410	11,003	11,359	11,943	12,280	12,903	13,537	13,241	12,944
1027 Other services	4,157	4,217	4,218	4,149	4,345	4,652	4,878	4,885	4,870	4,653	4,459
1029 Unclassified	-	2	1	5	-	4	14	12	16	9	10

FIGURE D-1.2
Total Covered Employment* by Year and Industry Sector 2011 to 2020
Adams County, Colorado

Industry	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
10 Total, all industries	154,794	159,143	172,824	182,840	191,869	198,368	204,964	213,341	225,848	220,788
Federal Government	1,529	1,500	1,339	1,345	1,349	1,361	1,111	1,788	3,082	3,204
State Government	7,795	7,876	14,754	15,216	15,717	16,337	17,496	18,136	20,112	20,647
Local Government	16,752	17,098	17,426	17,836	18,215	18,575	18,746	19,335	20,064	19,276
10 Total, all <i>private</i> industries	128,718	132,670	139,305	148,443	156,588	162,096	167,612	174,083	182,589	177,662
101 Goods-producing	26,598	27,671	30,484	34,198	35,563	37,299	37,710	39,214	40,949	39,957
1011 Natural resources and mining	1,318	1,393	1,639	1,831	1,608	1,734	1,929	2,010	2,954	2,262
1012 Construction	13,808	14,492	16,899	19,257	20,199	21,961	22,323	23,446	23,640	23,510
1013 Manufacturing	11,472	11,787	11,946	13,110	13,756	13,604	13,459	13,759	14,355	14,186
102 Service-providing	102,120	104,999	108,821	114,245	121,025	124,797	129,902	134,869	141,640	137,705
1021 Trade, transportation, and utilities	43,704	44,662	46,607	48,691	51,252	52,265	53,816	57,728	60,566	63,979
1022 Information	2,462	2,313	2,457	2,501	2,565	2,703	2,775	2,548	2,564	2,176
1023 Financial activities	5,296	5,474	5,710	5,873	6,273	6,491	6,782	6,953	6,928	6,563
1024 Professional and business services	16,415	17,008	16,745	17,903	19,980	20,921	22,322	22,419	23,720	22,946
1025 Education and health services	16,381	17,237	17,633	18,495	19,111	19,751	20,573	20,863	21,479	19,333
1026 Leisure and hospitality	13,203	13,537	14,692	15,470	16,219	17,025	17,873	18,366	20,190	16,996
1027 Other services	4,657	4,756	4,963	5,290	5,604	5,630	5,748	5,978	6,177	5,697
1029 Unclassified	2	12	15	23	20	12	13	13	16	15

*Covered employment reference the primary data source used in state unemployment insurance programs.

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), Adams County Community and Economic Development Department, January 2022.

RELEVANT MEASURES & ANALYTICS

The largest sectors as measured by 2020 employment are:

- Trade, Transportation, and Utilities – The prevalence of this sector – roughly three times larger than the next largest sector – is attributable to the fact that all of the interstate highways in the state go through Adams County affording exceptional transportation access. In addition, the Denver International Airport (DEN) and several rail lines are also in, or proximate to, Adams County.
- Construction – Firms engaged in construction activity often require extensive outdoor operations. Historically, within the metro region, Adams County has offered a relatively low-cost alternative when compared to sites in other counties in the region. This trend is not expected to continue.
- Professional and Business Services – This sector includes professional, scientific, and technical subsectors, evidenced by firms such as Maxar, while also including administrative and waste services.
- State Government – The prominence of this sector in the county is somewhat unusual and largely attributable to growth at the Anschutz campus, where federal and state employees engaged in health-related activities are concentrated. This growth is reflective of a deliberate strategy to expand Health, Life Sciences and Education activities in Adams County/Aurora. This sector grew from 3,400 employees in 2010 to over 20,000 today.
- Education and Health Services – Employment in this sector also reflects growth at the Anschutz medical campus and University of Colorado Medical Center.

FIGURE D-2

**Percent Change in Covered Employment* by Year and Industry Sector 2010 to 2020
Adams County, Colorado**

Industry	2010	2020	% Change
10 Total, all industries	147,987	220,788	49.2%
Federal Government	1,735	3,204	84.7%
State Government	3,432	20,647	501.6%
Local Government	16,947	19,276	13.7%
10 Total, all <i>private</i> industries	125,873	177,662	41.1%
101 Goods-producing	25,481	39,957	56.8%
1011 Natural resources and mining	1,164	2,262	94.3%
1012 Construction	13,578	23,510	73.1%
1013 Manufacturing	10,739	14,186	32.1%
102 Service-providing	100,392	137,705	37.2%
1021 Trade, transportation, and utilities	43,113	63,979	48.4%
1022 Information	1,992	2,176	9.2%
1023 Financial activities	5,269	6,563	24.6%
1024 Professional and business services	16,106	22,946	42.5%
1025 Education and health services	16,500	19,333	17.2%
1026 Leisure and hospitality	12,944	16,996	31.3%
1027 Other services	4,459	5,697	27.8%
1029 Unclassified	10	15	50.0%

Among all super-sectors, the highest employment growth rates between 2010 and 2020 (Figure D-2) took place in the State Government; Natural Resources and Mining; Federal Government (related to the Veteran's Administration Hospital at the Anschutz complex); Construction; and Trade, Transportation, and Utilities sectors.

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), Adams County Community and Economic Development Department, January 2022.

RELEVANT MEASURES & ANALYTICS

Adams County and State of Colorado employment by sector are compared in Figure D-3. In addition, county employment is expressed as a percent of state employment by sector. As shown, Adams County employment in the Trade, Transportation, and Utilities; and Construction sectors, respectively, represent more than 13% of the state's total employment in those sectors. In addition, over 19% of statewide employment in the State Government sector is present in Adams County/Aurora.

FIGURE D-3
2020 Total Employment by Industry Sector in Number and Percent*
State of Colorado and Adams County, Colorado

Industry	State		County		County as % of State
	Number	Percent	Number	Percent	
10 Total, all industries	2,602,371	100.0%	220,788	100.0%	8.5%
Federal Government	54,667	2.1%	3,204	1.5%	5.9%
State Government	108,333	4.2%	20,647	9.4%	19.1%
Local Government	257,370	9.9%	19,276	8.7%	7.5%
10 Total, all <i>private</i> industries	2,182,001	83.8%	177,662	80.5%	8.1%
101 Goods-producing	362,836	13.9%	39,957	18.1%	11.0%
1011 Natural resources and mining	41,633	1.6%	2,262	1.0%	5.4%
1012 Construction	174,730	6.7%	23,510	10.6%	13.5%
1013 Manufacturing	146,473	5.6%	14,186	6.4%	9.7%
102 Service-providing	1,819,165	69.9%	137,705	62.4%	7.6%
1021 Trade, transportation, and utilities	465,887	17.9%	63,979	29.0%	13.7%
1022 Information	74,867	2.9%	2,176	1.0%	2.9%
1023 Financial activities	165,271	6.4%	6,563	3.0%	4.0%
1024 Professional and business services	430,367	16.5%	22,946	10.4%	5.3%
1025 Education and health services	332,209	12.8%	19,333	8.8%	5.8%
1026 Leisure and hospitality	271,680	10.4%	16,996	7.7%	6.3%
1027 Other services	76,766	2.9%	5,697	2.6%	7.4%
1029 Unclassified	2,118	0.1%	15	0.0%	0.7%

*Based on covered employment.

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), Adams County Community and Economic Development Department, January 2022.

The average number of establishments by industry is shown in Figure D-4 from 2000 to 2010. As shown, not only do the Trade, Transportation and Utilities; Construction; and the Professional and Business Service sectors represent the largest employment concentrations within the county, they represent the greatest number of firms as well.

RELEVANT MEASURES & ANALYTICS

When compared to state wage averages, as shown in Figure D-7, Adams County's average wage across all industries is \$60,263, or 90.4 percent of the state average. Adams County does show average wages higher than the state averages in the Construction; Education and Health Services; Federal, State and Local Government sectors.

FIGURE D-4.1
Average Annual Establishment Count* by Year and Industry Sector 2000 to 2010
Adams County, Colorado

Industry	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
10 Total, all industries	7,906	8,347	8,363	8,490	8,637	8,987	9,267	9,356	9,282	9,106	8,973
Federal Government	30	33	31	28	27	27	28	45	42	46	46
State Government	20	20	19	18	19	19	19	22	25	26	28
Local Government	39	41	45	46	46	49	50	50	50	50	52
10 Total, all <i>private</i> industries	7,817	8,253	8,268	8,398	8,545	8,892	9,170	9,240	9,165	8,983	8,846
101 Goods-producing	1,821	1,978	1,996	1,967	1,953	2,018	2,065	2,029	1,944	1,859	1,754
1011 Natural resources and mining	88	88	86	83	77	77	83	81	85	87	83
1012 Construction	1,237	1,378	1,405	1,394	1,384	1,441	1,475	1,451	1,376	1,298	1,225
1013 Manufacturing	497	512	506	491	493	501	507	497	483	474	446
102 Service-providing	5,996	6,275	6,272	6,431	6,592	6,874	7,105	7,211	7,222	7,125	7,093
1021 Trade, transportation, and utilities	2,292	2,360	2,324	2,390	2,399	2,445	2,475	2,495	2,480	2,427	2,412
1022 Information	115	125	118	112	109	118	120	114	107	99	95
1023 Financial activities	767	817	820	867	906	931	977	997	963	920	878
1024 Professional and business services	1,090	1,174	1,160	1,178	1,213	1,327	1,429	1,492	1,530	1,542	1,572
1025 Education and health services	477	484	511	535	565	594	630	656	666	678	698
1026 Leisure and hospitality	591	627	639	648	683	714	720	721	734	746	734
1027 Other services	663	685	696	696	715	743	748	732	729	706	697
1029 Unclassified	-	4	5	6	4	4	7	6	14	8	8

FIGURE D-4.2
Average Annual Establishment Count* by Year and Industry Sector 2011 to 2020
Adams County, Colorado

Industry	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
10 Total, all industries	8,867	8,978	9,054	9,364	10,000	10,394	10,927	11,306	11,630	12,149
Federal Government	47	45	42	40	39	38	38	38	38	36
State Government	28	27	28	28	29	28	28	30	31	31
Local Government	54	55	54	56	56	56	56	57	58	59
10 Total, all <i>private</i> industries	8,738	8,852	8,931	9,240	9,876	10,271	10,805	11,181	11,504	12,023
101 Goods-producing	1,714	1,692	1,674	1,764	1,900	2,039	2,143	2,233	2,287	2,344
1011 Natural resources and mining	78	75	76	89	101	107	108	114	119	120
1012 Construction	1,196	1,174	1,148	1,212	1,320	1,449	1,552	1,633	1,679	1,735
1013 Manufacturing	440	442	450	462	479	482	484	487	490	489
102 Service-providing	7,024	7,160	7,257	7,476	7,976	8,233	8,662	8,948	9,217	9,679
1021 Trade, transportation, and utilities	2,361	2,361	2,408	2,478	2,595	2,664	2,725	2,781	2,856	2,921
1022 Information	94	92	92	92	99	121	131	137	151	163
1023 Financial activities	857	879	890	909	981	1,007	1,027	1,069	1,080	1,144
1024 Professional and business services	1,562	1,625	1,620	1,702	1,873	1,938	2,073	2,178	2,294	2,480
1025 Education and health services	718	746	770	788	818	841	967	990	1,007	1,058
1026 Leisure and hospitality	748	756	760	770	810	829	868	884	926	970
1027 Other services	680	693	708	726	792	827	867	902	896	938
1029 Unclassified	6	9	9	12	8	7	5	8	8	7

*Based on covered employment.

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), Adams County Community and Economic Development Department, January 2022.

RELEVANT MEASURES & ANALYTICS

WAGES

Figures D-5 and D-6 provide current and constant dollar estimates of the average annual wages by industry sector for Adams County from 2000 to 2020. The constant 2020-dollar estimates shown in Figure D-6 reflect annual wages adjusted for inflation and, therefore, provide the most accurate picture of wage structure within the county. The highest wage sector is Information Technologies with wages in excess of \$115,000 annually. The concentration of employment in Federal and State Government Healthcare at the Anschutz campus reflects high wages as well, each more than \$97,000 annually.

FIGURE D-5.1
Annual Average Pay in Current Dollars by Year and Industry Sector 2000 to 2010*
Adams County, Colorado

Industry	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
10 Total, all industries	\$33,500	\$34,753	\$35,023	\$35,839	\$37,674	\$38,379	\$39,274	\$40,393	\$41,748	\$41,572	\$42,175
Federal Government	\$47,467	\$49,687	\$51,136	\$53,938	\$59,143	\$59,973	\$59,226	\$62,861	\$68,325	\$65,977	\$66,135
State Government	\$32,343	\$33,432	\$34,400	\$34,966	\$35,483	\$35,651	\$37,224	\$37,881	\$40,259	\$34,929	\$36,107
Local Government	\$29,174	\$31,458	\$32,452	\$33,881	\$35,121	\$35,854	\$36,697	\$38,465	\$40,560	\$41,827	\$42,351
10 Total, all <i>private</i> industries	\$33,645	\$34,802	\$34,976	\$35,699	\$37,589	\$38,276	\$39,224	\$40,244	\$41,644	\$41,386	\$41,986
101 Goods-producing	\$40,482	\$42,361	\$41,747	\$42,583	\$44,787	\$44,733	\$45,700	\$48,802	\$49,470	\$49,398	\$50,794
1011 Natural resources and mining	\$30,292	\$30,786	\$30,451	\$31,602	\$33,443	\$30,990	\$33,044	\$36,884	\$38,710	\$38,537	\$38,888
1012 Construction	\$37,770	\$40,011	\$39,829	\$38,907	\$40,671	\$41,676	\$42,372	\$45,022	\$45,719	\$45,795	\$46,543
1013 Manufacturing	\$44,433	\$46,626	\$45,484	\$48,576	\$51,144	\$49,949	\$51,422	\$54,706	\$55,682	\$55,668	\$57,459
102 Service-providing	\$30,915	\$31,677	\$32,269	\$33,219	\$35,043	\$36,006	\$36,956	\$37,543	\$39,346	\$39,249	\$39,750
1021 Trade, transportation, and utilities	\$33,888	\$35,241	\$35,861	\$36,547	\$38,629	\$39,927	\$40,826	\$41,593	\$42,373	\$41,712	\$41,818
1022 Information	\$73,545	\$52,774	\$55,281	\$50,830	\$-	\$62,890	\$63,140	\$64,728	\$67,887	\$63,597	\$67,191
1023 Financial activities	\$30,581	\$33,208	\$34,580	\$36,800	\$36,425	\$35,189	\$36,535	\$38,245	\$39,725	\$37,836	\$38,484
1024 Professional and business services	\$30,079	\$32,082	\$32,408	\$34,917	\$38,982	\$40,215	\$40,971	\$39,912	\$42,767	\$43,898	\$44,810
1025 Education and health services	\$30,160	\$32,407	\$34,432	\$35,215	\$36,498	\$36,239	\$37,774	\$39,348	\$44,993	\$45,961	\$46,420
1026 Leisure and hospitality	\$12,027	\$12,536	\$12,906	\$13,310	\$13,683	\$14,084	\$14,377	\$14,993	\$15,528	\$15,766	\$16,059
1027 Other services	\$25,841	\$27,683	\$28,554	\$28,599	\$30,015	\$30,753	\$32,530	\$33,444	\$34,266	\$34,250	\$34,846
1029 Unclassified	\$-	\$16,127	\$151,029	\$28,562	\$-	\$21,523	\$25,448	\$32,629	\$37,850	\$30,651	\$24,374

FIGURE D-5.2
Annual Average Pay in Current Dollars by Year and Industry Sector 2011 to 2020*
Adams County, Colorado

Industry	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
10 Total, all industries	\$43,464	\$44,304	\$47,144	\$48,667	\$50,106	\$51,197	\$53,163	\$54,751	\$56,639	\$60,263
Federal Government	\$71,292	\$75,042	\$71,208	\$75,057	\$76,948	\$77,728	\$88,269	\$99,217	\$94,654	\$98,152
State Government	\$50,421	\$51,636	\$73,909	\$77,598	\$81,697	\$86,752	\$89,078	\$91,884	\$94,662	\$97,034
Local Government	\$42,417	\$42,320	\$42,926	\$43,739	\$44,984	\$45,830	\$47,176	\$48,615	\$50,650	\$57,214
10 Total, all <i>private</i> industries	\$42,848	\$43,778	\$44,606	\$46,055	\$47,300	\$48,006	\$49,851	\$51,107	\$52,467	\$55,638
101 Goods-producing	\$51,718	\$52,303	\$53,648	\$55,242	\$56,936	\$57,720	\$59,142	\$61,671	\$64,118	\$66,241
1011 Natural resources and mining	\$37,869	\$35,070	\$47,339	\$50,753	\$48,436	\$47,238	\$48,761	\$50,919	\$66,204	\$61,002
1012 Construction	\$47,806	\$48,758	\$50,455	\$53,962	\$55,786	\$58,513	\$61,029	\$63,901	\$66,400	\$69,064
1013 Manufacturing	\$58,019	\$58,698	\$59,031	\$57,749	\$59,618	\$57,776	\$57,499	\$59,442	\$59,930	\$62,397
102 Service-providing	\$40,538	\$41,531	\$42,072	\$43,304	\$44,468	\$45,103	\$47,154	\$48,036	\$49,098	\$52,561
1021 Trade, transportation, and utilities	\$42,857	\$44,067	\$44,643	\$46,571	\$47,725	\$47,758	\$49,256	\$50,059	\$50,719	\$52,043
1022 Information	\$62,928	\$70,564	\$74,532	\$72,193	\$73,133	\$75,726	\$80,847	\$78,635	\$89,202	\$115,169
1023 Financial activities	\$40,193	\$42,149	\$42,872	\$45,497	\$48,483	\$49,837	\$50,873	\$53,652	\$57,173	\$66,686
1024 Professional and business services	\$44,546	\$45,214	\$46,608	\$48,471	\$49,699	\$51,394	\$56,727	\$56,726	\$57,140	\$63,453
1025 Education and health services	\$47,770	\$47,602	\$48,178	\$47,995	\$48,556	\$49,283	\$50,170	\$51,614	\$53,122	\$56,179
1026 Leisure and hospitality	\$16,533	\$17,111	\$17,031	\$17,457	\$18,282	\$19,081	\$20,250	\$21,690	\$24,043	\$24,269
1027 Other services	\$35,810	\$37,131	\$38,083	\$38,878	\$40,302	\$40,978	\$42,538	\$44,770	\$44,525	\$46,485
1029 Unclassified	\$61,075	\$74,846	\$39,194	\$37,125	\$36,474	\$33,362	\$33,696	\$51,265	\$50,745	\$42,818

*Based on covered employment.

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), Adams County Community and Economic Development Department, January 2022.

FIGURE D-6.1
Annual Average Pay in Constant 2020 Dollars (1) by Year and Industry Sector 2000 to 2010*
Adams County, Colorado

Industry	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
10 Total, all industries	\$50,495	\$50,934	\$50,533	\$50,562	\$51,753	\$50,994	\$50,544	\$50,551	\$50,314	\$50,277	\$50,178
Federal Government	\$71,548	\$72,821	\$73,781	\$76,096	\$81,244	\$79,685	\$76,222	\$78,669	\$82,344	\$79,792	\$78,685
State Government	\$48,751	\$48,998	\$49,634	\$49,330	\$48,743	\$47,369	\$47,906	\$47,407	\$48,520	\$42,243	\$42,959
Local Government	\$43,974	\$46,105	\$46,823	\$47,800	\$48,245	\$47,639	\$47,228	\$48,138	\$48,882	\$50,585	\$50,388
10 Total, all <i>private</i> industries	\$50,714	\$51,005	\$50,465	\$50,364	\$51,636	\$50,857	\$50,480	\$50,364	\$50,189	\$50,052	\$49,953
101 Goods-producing	\$61,019	\$62,084	\$60,235	\$60,076	\$61,524	\$59,436	\$58,814	\$61,075	\$59,620	\$59,741	\$60,433
1011 Natural resources and mining	\$45,660	\$45,120	\$43,936	\$44,584	\$45,940	\$41,176	\$42,527	\$46,159	\$46,653	\$46,606	\$46,267
1012 Construction	\$56,931	\$58,640	\$57,467	\$54,890	\$55,869	\$55,374	\$54,531	\$56,344	\$55,100	\$55,384	\$55,375
1013 Manufacturing	\$66,975	\$68,335	\$65,626	\$68,531	\$70,256	\$66,367	\$66,178	\$68,463	\$67,107	\$67,324	\$68,363
102 Service-providing	\$46,599	\$46,425	\$46,559	\$46,866	\$48,138	\$47,841	\$47,561	\$46,984	\$47,419	\$47,467	\$47,293
1021 Trade, transportation, and utilities	\$51,080	\$51,649	\$51,742	\$51,561	\$53,064	\$53,050	\$52,542	\$52,053	\$51,067	\$50,446	\$49,754
1022 Information	\$110,855	\$77,345	\$79,762	\$71,711	\$-	\$83,561	\$81,259	\$81,006	\$81,816	\$76,914	\$79,941
1023 Financial activities	\$46,095	\$48,669	\$49,894	\$51,918	\$50,037	\$46,755	\$47,019	\$47,863	\$47,876	\$45,759	\$45,787
1024 Professional and business services	\$45,339	\$47,019	\$46,760	\$49,261	\$53,549	\$53,433	\$52,728	\$49,949	\$51,542	\$53,090	\$53,313
1025 Education and health services	\$45,461	\$47,495	\$49,680	\$49,682	\$50,137	\$48,150	\$48,614	\$49,243	\$54,225	\$55,585	\$55,229
1026 Leisure and hospitality	\$18,128	\$18,373	\$18,621	\$18,778	\$18,796	\$18,713	\$18,503	\$18,763	\$18,714	\$19,067	\$19,106
1027 Other services	\$38,951	\$40,572	\$41,199	\$40,348	\$41,231	\$40,861	\$41,865	\$41,854	\$41,297	\$41,422	\$41,458
1029 Unclassified	\$-	\$23,636	\$217,912	\$40,295	\$-	\$28,597	\$32,751	\$40,834	\$45,616	\$37,069	\$28,999

FIGURE D-6.2
Annual Average Pay in Constant 2020 Dollars (1) by Year and Industry Sector 2011 to 2020*
Adams County, Colorado

Industry	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
10 Total, all industries	\$50,178	\$50,132	\$50,041	\$52,471	\$53,264	\$54,745	\$55,224	\$56,138	\$56,439	\$57,346	\$60,263
Federal Government	\$78,685	\$82,228	\$84,759	\$79,254	\$82,147	\$84,072	\$83,842	\$93,208	\$102,276	\$95,836	\$98,152
State Government	\$42,959	\$58,156	\$58,322	\$82,260	\$84,928	\$89,260	\$93,576	\$94,062	\$94,717	\$95,844	\$97,034
Local Government	\$50,388	\$48,924	\$47,800	\$47,776	\$47,871	\$49,148	\$49,435	\$49,816	\$50,114	\$51,282	\$57,214
10 Total, all <i>private</i> industries	\$49,953	\$49,421	\$49,446	\$49,646	\$50,405	\$51,679	\$51,782	\$52,640	\$52,682	\$53,122	\$55,638
101 Goods-producing	\$60,433	\$59,652	\$59,075	\$59,710	\$60,460	\$62,207	\$62,261	\$62,451	\$63,572	\$64,918	\$66,241
1011 Natural resources and mining	\$46,267	\$43,678	\$39,611	\$52,688	\$55,547	\$52,920	\$50,954	\$51,489	\$52,489	\$67,030	\$61,002
1012 Construction	\$55,375	\$55,140	\$55,071	\$56,156	\$59,059	\$60,950	\$63,116	\$64,444	\$65,871	\$67,229	\$69,064
1013 Manufacturing	\$68,363	\$66,919	\$66,298	\$65,701	\$63,204	\$65,137	\$62,321	\$60,716	\$61,274	\$60,678	\$62,397
102 Service-providing	\$47,293	\$46,757	\$46,908	\$46,826	\$47,394	\$48,585	\$48,651	\$49,793	\$49,517	\$49,711	\$52,561
1021 Trade, transportation, and utilities	\$49,754	\$49,431	\$49,773	\$49,687	\$50,970	\$52,143	\$51,515	\$52,012	\$51,602	\$51,352	\$52,043
1022 Information	\$79,941	\$72,581	\$79,701	\$82,954	\$79,012	\$79,903	\$81,683	\$85,371	\$81,059	\$90,316	\$115,169
1023 Financial activities	\$45,787	\$46,359	\$47,607	\$47,716	\$49,795	\$52,971	\$53,757	\$53,720	\$55,306	\$57,887	\$66,686
1024 Professional and business services	\$53,313	\$51,380	\$51,068	\$51,874	\$53,050	\$54,300	\$55,437	\$59,901	\$58,475	\$57,853	\$63,453
1025 Education and health services	\$55,229	\$55,098	\$53,766	\$53,622	\$52,529	\$53,051	\$53,160	\$52,977	\$53,205	\$53,785	\$56,179
1026 Leisure and hospitality	\$19,106	\$19,069	\$19,327	\$18,955	\$19,106	\$19,974	\$20,582	\$21,383	\$22,359	\$24,343	\$24,269
1027 Other services	\$41,458	\$41,303	\$41,939	\$42,386	\$42,550	\$44,033	\$44,202	\$44,918	\$46,150	\$45,081	\$46,485
1029 Unclassified	\$28,999	\$70,444	\$84,537	\$43,623	\$40,632	\$39,851	\$35,986	\$35,581	\$52,845	\$51,378	\$42,818

*Based on covered employment.

(1) December 1977 = 100. Adjusted for inflation using the Bureau of Labor Statistics Consumer Price Index Research Series (CPI-U-RS).

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), Adams County Community and Economic Development Department, January 2022.

RELEVANT MEASURES & ANALYTICS

When compared to state wage averages, as shown in Figure D-7, Adams County's average wage across all industries is \$60,263, or 90.4 percent of the state average. Adams County does show average wages higher than the state averages in the Construction; Education and Health Services; Federal, State and Local Government sectors.

Figure D-8 compares Adams County average annual wage across all industries with the average annual wage for other counties in the metro region. As shown, Adams County has the lowest average annual wage among all metro counties but has shown the most rapid growth in employment from 2010 to 2020 at just over 49 percent.

FIGURE D-7
2020 Annual Average Pay by Industry Sector*
State of Colorado and Adams County, Colorado

Industry	State	County	County as % of State
10 Total, all industries	\$ 66,649	\$ 60,263	90.4%
Federal Government	\$ 87,291	\$ 98,152	112.4%
State Government	\$ 69,688	\$ 97,034	139.2%
Local Government	\$ 54,355	\$ 57,214	105.3%
10 Total, all <i>private</i> industries	\$ 67,431	\$ 55,638	82.5%
101 Goods-producing	\$ 74,557	\$ 66,241	88.8%
1011 Natural resources and mining	\$ 91,879	\$ 61,002	66.4%
1012 Construction	\$ 68,209	\$ 69,064	101.3%
1013 Manufacturing	\$ 77,207	\$ 62,397	80.8%
102 Service-providing	\$ 66,010	\$ 52,561	79.6%
1021 Trade, transportation, and utilities	\$ 55,719	\$ 52,043	93.4%
1022 Information	\$ 123,495	\$ 115,169	93.3%
1023 Financial activities	\$ 97,276	\$ 66,686	68.6%
1024 Professional and business services	\$ 90,744	\$ 63,453	69.9%
1025 Education and health services	\$ 55,198	\$ 56,179	101.8%
1026 Leisure and hospitality	\$ 28,424	\$ 24,269	85.4%
1027 Other services	\$ 45,642	\$ 46,485	101.8%
1029 Unclassified	\$ 87,352	\$ 42,818	49.0%

*Based on covered employment.

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), Adams County Community and Economic Development Department, January 2022.

FIGURE D-8
Covered Employment Growth (2010 to 2020) and 2020 Annual Average Pay by County within the Denver-Boulder Metropolitan Area

County	2010	2020	% Change	Annual Average Pay
Adams	147,987	220,788	49.2%	\$ 60,263
Arapahoe	270,339	319,739	18.3%	\$ 74,850
Boulder	152,118	179,056	17.7%	\$ 78,383
Broomfield	29,919	38,820	29.8%	\$ 99,066
Denver	420,505	491,687	16.9%	\$ 81,974
Douglas	89,826	127,016	41.4%	\$ 71,092
Jefferson	202,557	232,079	14.6%	\$ 66,597
Total	1,313,251	1,609,185	22.5%	\$ 74,516

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), Adams County Community and Economic Development Department, January 2022.

RELEVANT MEASURES & ANALYTICS

As shown in Figure D-9, after adjusting for inflation, Adams County and statewide average annual wages were flat during the period 2000 to 2010, even mildly negative when viewed in five-year increments. However, for the period 2010 to 2020, wages have increased by roughly two percent per year, after inflation, in Adams County.

FIGURE D-9
Annual Growth in Average Pay in Constant 2020 Dollars 2000 to 2020*
State of Colorado and Adams County, Colorado

<u>Year</u>	<u>State</u>	<u>AGR</u>	<u>County</u>	<u>AGR</u>
2000	\$ 56,084	-	\$ 50,495	-
2005	\$ 55,275	-0.29%	\$ 50,994	0.20%
2010	\$ 56,952	0.60%	\$ 50,178	-0.32%
2015	\$ 59,198	0.78%	\$ 54,745	1.76%
2020	\$ 66,646	2.40%	\$ 60,263	1.94%

***Based on covered employment.**

Source: Colorado Department of Labor, Colorado Demographer's Office, Adams County Community and Economic Development Department, January 2022.

INDUSTRY CONCENTRATION AND GROWTH

A common way to measure the relative importance of an industry to a local economy is through the calculation of a “location quotient” or LQ. The LQ measures the degree to which an individual industry is concentrated in a particular place, in this case, Adams County. It is expressed as a ratio of local employment to national employment. An LQ above 1.0 means that industry is more concentrated locally than in the nation as a whole and is, therefore, a net exporter of goods or services. Identification of these export industries provides information on the local economic assets upon which economic growth strategies can be built. Figure D-10 provides location quotients by Adams County industries from 2000 to 2020. As of 2020, Adams County’s net export industries included State Government in the form of healthcare services connected to the Anschutz campus; Construction; and Trade, Transportation, and Utilities. These industries are more heavily represented in Adams County than when the state is compared to the United States as a whole Figure D-11.

RELEVANT MEASURES & ANALYTICS

FIGURE D-10.1
Employment Location Quotient Relative to the United States by Year and Industry Sector 2000 to 2010*
Adams County, Colorado

Industry	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
10 Total, all industries	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Federal Government	0.89	0.88	0.89	0.87	0.83	0.87	0.84	0.81	0.44	0.51	0.50
State Government	0.36	0.36	0.36	0.37	0.36	0.35	0.33	0.33	0.38	0.61	0.64
Local Government	0.92	0.91	0.97	1.01	1.04	1.03	1.04	1.04	1.03	1.03	1.04
10 Total, all <i>private</i> industries	1.04	1.04	1.03	1.03	1.03	1.03	1.03	1.03	1.04	1.03	1.02
101 Goods-producing	1.27	1.34	1.35	1.28	1.27	1.27	1.28	1.21	1.19	1.18	1.17
1011 Natural resources and mining	0.89	0.86	0.83	0.77	0.67	0.71	0.72	0.59	0.65	0.63	0.56
1012 Construction	2.42	2.64	2.59	2.37	2.28	2.17	2.15	2.00	2.03	2.14	2.14
1013 Manufacturing	0.86	0.85	0.86	0.83	0.86	0.88	0.88	0.86	0.81	0.78	0.81
102 Service-providing	0.97	0.95	0.95	0.96	0.96	0.96	0.96	0.98	1.00	0.99	0.99
1021 Trade, transportation, and utilities	1.57	1.55	1.53	1.54	1.53	1.53	1.50	1.53	1.54	1.52	1.52
1022 Information	0.70	0.63	0.52	0.55	0.00	0.58	0.59	0.62	0.64	0.67	0.64
1023 Financial activities	0.62	0.65	0.65	0.70	0.70	0.64	0.63	0.64	0.63	0.62	0.61
1024 Professional and business services	0.73	0.71	0.74	0.78	0.78	0.78	0.82	0.81	0.80	0.82	0.83
1025 Education and health services	0.53	0.54	0.54	0.57	0.59	0.60	0.61	0.66	0.74	0.75	0.76
1026 Leisure and hospitality	0.86	0.84	0.85	0.83	0.83	0.84	0.83	0.85	0.88	0.87	0.86
1027 Other services	0.90	0.89	0.88	0.89	0.93	0.96	0.98	0.97	0.94	0.91	0.89
1029 Unclassified	0.00	0.01	0.00	0.02	0.00	0.01	0.05	0.05	0.07	0.04	0.06

FIGURE D-10.2
Employment Location Quotient Relative to the United States by Year and Industry Sector 2011 to 2020*
Adams County, Colorado

Industry	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
10 Total, all industries	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Federal Government	0.45	0.44	0.37	0.37	0.36	0.35	0.28	0.44	0.72	0.69
State Government	1.43	1.44	2.53	2.50	2.50	2.56	2.65	2.69	2.83	2.83
Local Government	1.01	1.03	0.98	0.97	0.96	0.95	0.94	0.94	0.92	0.89
10 Total, all <i>private</i> industries	0.99	0.99	0.96	0.96	0.96	0.96	0.96	0.96	0.95	0.95
101 Goods-producing	1.17	1.18	1.19	1.26	1.25	1.28	1.25	1.23	1.21	1.19
1011 Natural resources and mining	0.58	0.58	0.63	0.66	0.58	0.66	0.72	0.71	1.00	0.80
1012 Construction	2.11	2.15	2.25	2.36	2.29	2.35	2.26	2.22	2.08	2.06
1013 Manufacturing	0.82	0.82	0.77	0.81	0.81	0.79	0.76	0.75	0.74	0.74
102 Service-providing	0.96	0.95	0.91	0.90	0.90	0.90	0.90	0.90	0.89	0.90
1021 Trade, transportation, and utilities	1.47	1.46	1.41	1.39	1.40	1.38	1.39	1.44	1.44	1.52
1022 Information	0.77	0.71	0.70	0.68	0.68	0.69	0.70	0.62	0.59	0.51
1023 Financial activities	0.60	0.60	0.58	0.57	0.58	0.58	0.59	0.58	0.55	0.50
1024 Professional and business services	0.79	0.79	0.70	0.70	0.74	0.75	0.77	0.74	0.73	0.71
1025 Education and health services	0.72	0.74	0.68	0.67	0.66	0.65	0.65	0.63	0.61	0.55
1026 Leisure and hospitality	0.83	0.82	0.80	0.79	0.78	0.78	0.79	0.78	0.80	0.84
1027 Other services	0.88	0.87	0.93	0.93	0.95	0.92	0.91	0.91	0.89	0.91
1029 Unclassified	0.01	0.06	0.07	0.08	0.06	0.03	0.04	0.07	0.08	0.07

*Based on covered employment.

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), Adams County Community and Economic Development Department, January 2022.

By examining industry concentration as represented through the location quotient with industry employment growth rates, it is easier to see those industries that represent the greatest significance to Adams County's economic base.

That is, those that are highly concentrated and rapidly growing. These are shown in Figure D-12. As shown, the following industries have doubled, or more than doubled in size, since 2010:

- Trade, Transportation and Utilities
- Construction
- Federal Government
- Natural Resources and mining
- State Government

In addition, Trade, Construction and State Government sectors are all highly concentrated.

FIGURE D-11
2020 Employment Location Quotient Relative to the United States by Year and Industry Sector*
State of Colorado and Adams County, Colorado

Industry	State	County
10 Total, all industries	1.00	1.00
Federal Government	1.00	0.69
State Government	1.26	2.83
Local Government	1.01	0.89
10 Total, all <i>private</i> industries	0.99	0.95
101 Goods-producing	0.92	1.19
1011 Natural resources and mining	1.25	0.80
1012 Construction	1.30	2.06
1013 Manufacturing	0.65	0.74
102 Service-providing	1.00	0.90
1021 Trade, transportation, and utilities	0.94	1.52
1022 Information	1.48	0.51
1023 Financial activities	1.08	0.50
1024 Professional and business services	1.13	0.71
1025 Education and health services	0.80	0.55
1026 Leisure and hospitality	1.13	0.84
1027 Other services	1.04	0.91
1029 Unclassified	0.82	0.07

*Based on covered employment.

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), Adams County Community and Economic Development Department, January 2022.

FIGURE D-12

Percent Change in Covered Employment by Year and Selected Industry Sectors 2010 to 2020; and 2020 Location Quotient (LQ) by Industry (Sorted by Percent Change in Employment)

Adams County, Colorado

Industry	2010	2020	% Change	LQ
Information	1,992	2,176	9.2%	0.51
Local Government	16,947	19,276	13.7%	0.89
Education and health services	16,500	19,333	17.2%	0.55
Financial activities	5,269	6,563	24.6%	0.50
Other services	4,459	5,697	27.8%	0.91
Leisure and hospitality	12,944	16,996	31.3%	0.84
Manufacturing	10,739	14,186	32.1%	0.74
Professional and business services	16,106	22,946	42.5%	0.71
Trade, transportation, and utilities	43,113	63,979	48.4%	1.52
Construction	13,578	23,510	73.1%	2.06
Federal Government	1,735	3,204	84.7%	0.69
Natural resources and mining	1,164	2,262	94.3%	0.80
State Government	3,432	20,647	501.6%	2.83

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), Adams County Community and Economic Development Department, January 2022.

RELEVANT MEASURES & ANALYTICS

PROJECTED EMPLOYMENT AND JOB GROWTH

This subsection provides data leading up to projected county-wide “covered employment” and “job” growth through 2050. As previously mentioned, “covered employment” represents approximately 80 percent to 85 percent of all “jobs.” Whereas covered employment measures employees of firms that report and pay quarterly employment taxes, “jobs” are a broader measure that includes the self-employed. While covered employment is readily available at the firm level, job estimates are only available at county geographies and higher. In addition, DRCOG only provides estimates of Total Jobs for the region and its constituent counties.

Figure D-13 compares covered employment to total jobs for Adams County from 2000 to 2020. Over this 20-year period, covered employment has represented 80.8 percent of all jobs.

FIGURE D-13
Covered Employment as a Percent of Total Jobs 2000 to 2020
Adams County, Colorado

<u>Year</u>	<u>Covered Employment</u>	<u>Total Jobs</u>	<u>Covered as % of Total</u>
2000	144,502	169,860	85.1%
2001	146,043	172,881	84.5%
2002	144,052	172,292	83.6%
2003	139,987	170,103	82.3%
2004	141,343	172,336	82.0%
2005	147,682	178,941	82.5%
2006	152,738	185,767	82.2%
2007	154,072	188,791	81.6%
2008	155,118	202,312	76.7%
2009	150,163	197,807	75.9%
2010	147,987	196,437	75.3%
2011	154,794	199,838	77.5%
2012	159,143	205,112	77.6%
2013	172,824	213,687	80.9%
2014	182,840	225,249	81.2%
2015	191,869	236,314	81.2%
2016	198,368	244,033	81.3%
2017	204,964	252,815	81.1%
2018	213,341	263,275	81.0%
2019	225,848	277,734	81.3%
2020	220,788	272,517	81.0%

80.8% 20-year avg.

Source: Colorado Department of Labor, Colorado Demographer's Office, Adams County Community and Economic Development Department, January 2022.

Figure D-14 provides DRCOG’s estimates of total jobs for the region and Adams County through 2050. By applying the 20-year average ratio of 80.8 percent to the total jobs projection, we can calculate an estimate of covered employment for the county through 2050 (Figure D-15).

FIGURE D-14
Projected Total Jobs for Adams County and the Denver-Boulder Metropolitan Area*
2025 to 2050

<u>Year</u>	<u>County</u>	<u>Region</u>
2025	307,825	2,271,673
2030	323,004	2,383,693
2035	338,199	2,495,827
2040	348,376	2,586,646
2045	359,873	2,655,774
2050	368,520	2,719,586

*Defined as the 7-county region - Adams, Arapahoe, Boulder, Broomfield, Denver, Douglas, Jefferson Counties.

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), U.S. Bureau of Census Non-Employer Statistics, Denver Regional Council of Government (DRCOG), Adams County Community and Economic Development Department, January 2022.

FIGURE D-15
Projected Covered Employment and Total Jobs 2025 to 2050
Adams County, Colorado

<u>Year</u>	<u>Covered Employment</u>	<u>Total Jobs</u>
2025	248,722	307,825
2030	260,987	323,004
2035	273,264	338,199
2040	281,487	348,376
2045	290,777	359,873
2050	297,764	368,520

Source: Colorado Department of Labor, Colorado Demographer's Office, U.S. Bureau of Labor Statistics Quarterly Census of Employment and Wages (QCEW), U.S. Bureau of Census Non-Employer Statistics, Denver Regional Council of Government (DRCOG), Adams County Community and Economic Development Department, January 2022.

RELEVANT MEASURES & ANALYTICS

Finally, the average annual growth rate for jobs in Adams County is shown in Figure D-16 through 2050. In general, projected job growth exceeds one percent annually through 2025 then drops below one percent annually through 2050.

FIGURE D-16
Historic and Projected Total Jobs and Annual Growth Rate (AGR) in 5-year Increments 2000 to 2050
State of Colorado and Adams County, Colorado

<u>Year</u>	<u>State</u>	<u>AGR</u>	<u>County</u>	<u>AGR</u>
2000	2,684,444	-	169,860	-
2005	2,768,385	0.62%	178,941	1.05%
2010	2,783,900	0.11%	196,437	1.88%
2015	3,161,300	2.58%	236,314	3.77%
2020	3,301,600	0.87%	272,517	2.89%
2025	3,713,419	2.38%	307,825	2.47%
2030	3,910,222	1.04%	323,004	0.97%
2035	4,100,649	0.96%	338,199	0.92%
2040	4,258,417	0.76%	350,506	0.72%
2045	4,383,881	0.58%	359,873	0.53%
2050	4,499,757	0.52%	368,520	0.48%

Source: Colorado Department of Labor, Colorado Demographer's Office, Adams County Community and Economic Development Department, January 2022.



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