

OEO Website Data and Analysis Tool Intro





Topic's to be covered

OEO Data & Analysis Website Navigation:

- Industry Employment and Wages
- Occupation Employment and Wages
- Employment Projections
- Unemployment

- In-Demand Jobs
- Labor Force
- Data Access





OEO's Website Usability

- Access data via OEO's custom data tools or in spreadsheet format
- The most up-to-date data available
- Data from numerous sources are all available in one easy to navigate website







NOTE: This material reflects how to navigate from AZ Commerce to OEO's website.



First go to: https://www.azcommerce.com

- Next click on Data & Tools
- Then click on Arizona Office of Economic Opportunity 'learn more'



COVID-19 ARIZONA BUSINESS RESOURCES »

COVID-19 RECURSOS EMPRESARIALES DE ARIZONA »

BUSINESSES AREN'T THE ONLY THING WE SCALE

CELEBRATING 10 »

Read, listen and watch stories of the last 10 years of the ACA.



laborstats.az.gov







ARIZONA OFFICE OF ECONOMIC OPPORTUNITY

OEO exists to consolidate and improve analytic capacity for the state with the goal of tracking Arizona's key economic indicators.

LEARN MORE







Arizona Office of Economic Opportunity

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ARIZONA ECONOMY AT A GLANCE

See how your area is performing below by finding the latest labor and population trends at the state and county level. Find out where the Arizona economy stands on key economic indicators in comparison to the United States economy overall.







Note: The Nonfarm Employment monthly release is a valuable tool for a snapshot of statewide LMI data.







ARIZONA ECONOMY AT A GLANCE

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LABOR: ARIZONA

UNEMPLOYMENT RATE March 2021 - Seasonally Adjusted	NONFARM EMPLOYMENT March 2021 - Seasonally Adjusted	LABOR FORCE SIZE March 2021 - Seasonally Adjusted
6.7% +1.7% Year-over-Year 6.0% US *68 Year-over-Year Unemployment Details >	2,888,500 Total Nonfarm Employment Year-over-Year Change -877,00 - 2.9% Numerix Presenage	3,587,380 Labor Force Level 0.0% Year-overfilte Orange Labor Force Datalis >
LABOR FORCE PARTICIPATION 2019	EMPLOYMENT PROJECTIONS	BUSINESS ESTABLISHMENTS 2020 Q3
59.7% Total (16 years and above) 39.6% 76.1% 29.4% 39.6% 60.6% 29.4% 39.4% 60.6% 61.5% 29.4% 60.6% 61.5% 29.4% 10.5% 29.4% 10.5% 61.5% 29.4% 10.5% 10.5% 29.4% 10.5% 10.5% 20.5% 10.5% 10.5% 10.5% 20.5% 10.5% 10.5% 10.5% 20.5% 10.5\% 1	2016-2026 Projections +1.7% Annualized Projected Employment Projections >	174,143 Total Business Establishments Year-over-Year Change 8,741 5,3% Numeric Persentage
INDUSTRY WAGES 2020 Q3	IN-DEMAND JOBS	WAGES BY OCCUPATION 2019
\$ Total, all industries	Agriculture, forestry, Top Jobs by Projected Employment Cowoth all Industrial Tools and Tector Opwetors all Phalares of basisger chows being the second second second all Industrials (Second Second Second In-demend Industrias)	Total, All Occupation \$24.49 Average Hourly Wage Weges and Income y

POPULATION: ARIZONA



OTHER ECONOMIC INDICATORS: ARIZONA

REAL CDP CROWTH 2018-2019 Total All Industries +3.19% Year-over-Year Change +2.2% US Year-over-Year Change	NET TAXABLE SALES Fabruary 2021 \$12.5 BILLION +12.2% Year-over-Year Change	PER CAPITA PERSONAL INCOME 2019 \$46,058 Arizona •13% Year- over/Year Change \$56,490 <u>US</u> •35% Year- over/Year Change Change
UNEMPLOYMENT INSURANCE March 2021 Year-over-Year parcantage change in initial claims US +161.35% with e total of 48.86 initial claims	TRADE BALANCE 2020 \$ - 6 BILLION USD -216.7% Year-over-Year Change	NEW PRIVATE HOUSING UNITS August 2020 Vear-over-Vear percentage change in authorized building permits AZ 4 4 4 4 5 4 5 4 5 5 6 5 5 5 6 5 5 5 5 6 5 5 5 6 7 4 5 5 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7
RENTAL VACANCY RATE 2019 Arnual Rental Vacancy Rates Arizona 5.3% a discrease from 2018 rates of 3.7% US 6.0% a discrease from 2018 rates of 6.1%	HOME VALUES 2019 Viser-over-Year percentage change in median value of Owner-occupied Housing \$ Arizona +6.1% Viser-over-Viser median value of \$255,900	

These tiles represent information generated for Maricopa County. Statistics are subject to change

LABOR: MARICOPA COUNTY

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POPULATION: MARICOPA COUNTY



OTHER ECONOMIC INDICATORS: MARICOPA COUNTY

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Arizona Office of Economic Opportunity

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Scroll back up & click on Labor Market https://www.azcommerce. com/oeo/



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ARIZONA'S LABOR MARKET

In this section, you'll find the latest data and analysis on the Arizona labor market. Explore labor market information by topic to find custom dashboards, tables and visualizations to help you analyze and interpret the data.



INDUSTRY EMPLOYMENT AND WAGES

Explore the latest trends in monthly and quarterly employment and wage data by detailed industry sectors.

Click here EXPLORE EMPLOYMENT









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MONTHLY EMPLOYMENT TRENDS

Data Description

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The Current Employment Statistics (CES) program provides the most detailed employment estimates by industry for the U.S., all states, metro areas, and counties.



Innovative Workforce Solutions

DOWNLOAD THE DATA

Monthly Employment (CES) Data Tables

Not seasonally adjus	ted nonfarm	employment b	y industry
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State Estimates			
2020-2021	Excel	CPDF	Z
2010-2019	Excel	PDF	C
2000-2009	Excel	PDF	C
1990-1999	Excel	PDF	C

Metro Area (MSA) Estimates

2020-2021	Excel	PDF	Z
2010-2019	Excel	PDF	Z
2000-2009	Excel	₽ PDF	Z
1990-1999	Excel	PDF	Z

County Estimates

2020-2021	Excel	PDF	\mathbf{C}
2010-2019	Excel	PDF	ľ
2000-2009	Excel	PDF	\mathbf{C}

Seasonally adjusted nonfarm employment by industry

State	Estimates

2020-2021	Excel	☑PDF	Z
2010-2019	Excel	PDF	\mathbf{C}
2000-2009	Excel	PDF	\mathbf{C}
1990-1999	Excel	PDF	Z

Current Employment Statistics (CES). This area provides the most current employment, hours, and earnings data by industry (place of work) for the U.S., all states, metro areas, counties and local workforce areas. Select your desired method to download the data: Excel or Acrobat PDF.

Hours and earnings for all employees by industry

Metro (MSA) estimates

2020-2021	PDF	ľ
2010-2019	PDF	Z
2007-2009	PDF	Z

Hours and earnings for production employees by industry

State and metro area (MSA) estimates

2020-2021	PDF	Z	
2010-2019	PDF	Z	
2007-2009	PDF	ľ	





Occupational Employment and Wages (OEW)



1.020 \$92,476.00 \$78,727.00 \$53,329.00 Management Occupations B General and Operations \$77,661.00 \$66,268.00 \$40,864.00 240 Managers **Financial Managers** 40 \$92,409.00 \$82,920.00 \$74,784.00 ➢ Education Administrators, 6 Elementary and Secondary \$76,647.00 \$75,462.00 \$60,717.00 70 School Medical and Health Services \$124,881.00 \$87,561.00 \$58,691.00 230 Managers Social and Community \$76,614.00 \$75,215.00 \$61,494.00 40 Service Managers **Business and Financial** 600 \$66,433.00 \$65,009.00 \$43,042.00 Operations Occupations





Go back to the home page click on Labor Market then click on the Occupation Employment & Wages tile.



ompare average wages and employment across hundreds

Click here

OCCUPATION EMPLOYMENT CUSTOM DATA SEARCH (OES PROGRAM)

The Occupation Employment Survey (OES) program provides detailed employment and wage estimates for hundreds of occupations across the U.S., all states, metro areas, counties and local workforce areas.

Total, All Occupations

2019 Occupational Employment and Wages Employment

17,750

Mean

Median

\$51,428.00 \$39,695.00 \$25,548.00

Entry

Search by SOC Code/Occupation Title:

OCCUPATION EMPLOYMENT AND WAGES



Employment and wage estimates by occupation

- Update Frequency: Annually
- Geographic Detail: Arizona, Counties, MSA, Workforce Area
- Occupation Categories: 800+ occupations for Arizona

https://www.azcommerce.com/oeo/labor-market/occupation-employment/









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EMPLOYMENT PROJECTIONS

Review the latest two-year and ten-year employment projections for Arizona and substate regions.

PROJECTIONS DATA Click here





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employment projections for Arizona and substate regions.

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Top 5 major occupational groups in Arizona (dynamic) by highest annual employment percentage change



OEO Employment Projections

- Projected short-term (2-year) and long-term (10-year) industry and occupational job growth.
- Update Frequency: Annually for long term and short term projections
- Geographic Detail: Arizona, counties and local workforce areas
- Category Detail: 800+ occupations and nearly 100 industries

https://www.azcommerce.com/oeo/labor-market/employment-projections/





Industry projections

Occupation projections

Select to view Industry or Occupation Projections

Employment Projections Trends >

Employment Projections Custom Data Search >

EMPLOYMENT PROJECTIONS TRENDS

Data Description

The industry employment projections estimate future employment changes for educational and economic planning purposes. Estimates are available for Arizona and local workforce areas by detailed industry categories.



Short Term (2020 - 2022) Arizona Industry Projections

Industry	Base Employment	Projected Employment	Total Employment Numeric Change	Total Employment Percentage Cha	Annual Employment Numeric Change	Annual Employment Percentage Cha
Government	161,662	160,013	-1,649	-1.0%	-825	-0.5%
Information	45,008	49,147	4,139	9.2%	2,070	4.5%
Leisure and Hospitality	255,734	325,635	69,901	27.3%	34,951	12.8%
Manufacturing	174,008	184,899	10,891	6.3%	5,446	3.1%
Natural Resources and Mining	48,670	49,531	861	1.8%	431	0.9%
Other Services	88,833	99,090	10,257	11.5%	5,129	5.6%
Professional and Business Services	421,533	459,728	38,195	9.1%	19,098	4.4%
Self Employed	120,936	138,171	17,235	14.3%	8,618	6.9%
Trade Transportation and Utilities	532,242	618,715	86,473	16.2%	43,237	7.8%



Annual Employment % Change

Employment Change Short Term (2020 - 2022)











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ARIZONA'S LABOR MARKET

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UNEMPLOYMENT

Identify the latest monthly unemployment trends occurring within Arizona counties, cities and towns.

UNEMPLOYMENT DATA Click here

ARIZONA WORK WORK



Unemployment

UNEMPLOYMENT RATE August 2020 - Seasonally Adjusted	UNEMPLOYMENT RATE BY AGE 2018	UNEMPLOYMENT RATE BY EDUCATIONAL ATTAINMENT (2018)*
5.9% +1.3% Year-over-Year 8.4% US +4.7% Year-over-Year	5.3% Total (16 years and above) 18.3% 8.5% 5.6% 16 to 19 years 20 to 24 years 25 to 34 years 3.5% 4.0% 4.0% 35 to 54 years 55 to 64 years 65+ years	5.3%Total populationEducational CategoryRateLess than a high school diploma7.3%High school graduates6.3%Some college or associate degree3.9%Bachelor's degree or higher2.3%* Minimum education as defined by BLS

Labor force and unemployment level and unemployment rate estimates

- Update Frequency: Monthly
- Geographic Detail: U.S., state, counties, MSA's, select cities and towns



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BUSINESS FIRST	BIG IDEAS	LOCATE	EXPAND	START UP	INDUSTRIES	PROGRAM	IS CON	TACT US
LABOR	MARKET	POPULATION (Unemploym	REGULAT ent	DRY AND TAX	ENT			
			Arizona		~ +	— Мо	dify as o	desired -
UI Apri	NEMPLOYMENT RA I 2021 - Seasonally Adj	ATE usted	UNEMPLO'	YMENT RATE BY 2019	AGE UN ED (20	EMPLOYMENT F UCATIONAL AT 19)*	RATE BY FAINMENT	
-	6.7% -7.5% Year-over-Year 6.1% US -8.7% Year-over-Year	ar	Total (1 20.1% 15 to 19 years 4.2% 35 to 54 years	5.9% 6 years and above 9.4% 5 20 to 24 years 25 to 4.1% 4 55 to 64 years 61	.9% .9% .24 years .2% .2% .2% .2% .2% .5 m digit digit digit digit digit 	9% Total p cational Category than a high school oma a school graduates te college or associa ree helor's degree or hig imum scluzation as schos	opulation R 8 6 te 4 her 2 9 by BLS	ate 3% 3% 4%

MONTHLY UNEMPLOYMENT TRENDS (LAUS PROGRAM)

Data Description

The Local Area Unemployment Survey (LAUS) program provides the most current unemployment, labor force and employment data for the U.S., all states, metro areas, counties, local workforce areas, cities and towns.



Unemployment Insurance Claims

Unemployment insurance initial and continued claims estimates

- Update Frequency: Weekly and Monthly
- Geographic Detail: United States, Arizona and Arizona counties
- Population Detail: Initial claims by age, education, ethnicity, gender, and former industry and occupation of claimant for Arizona counties only

NOTE: County-level claims data are incomplete. County-level claims do NOT reflect the total number of initial UI claims filed within Arizona.





MONTHLY UNEMPLOYMENT CUSTOM DATA SEARCH

Data Description

The Local Area Unemployment Survey (LAUS) program provides the most current unemployment, labor force and employment data for the U.S., all states, metro areas, counties, local workforce areas, cities and towns.

INSTRUCTIONS -START HERE

Labor Force Statistics Seasonally Adjusted

Get your own personalized Labor	Area	Year F	Period F	Labor Force	Employment	Unemployment	Unemployment Rate
Force Statistics!	Arizona	2021	March	3,587,380	3,346,926	240,454	6.796
			February	3,580,631	3,333,226	247,405	6.996
Select from the following			January	3,571,263	3,331,367	239,896	6.7%
filters below:	Arizona	2020	December	3,569,317	3,326,907	242,410	6.896
-Geography			November	3,563,927	3,322,173	241,754	6.896
-Area			October	3,556,433	3,315,121	241,312	6.896
-Year			September	3,541,969	3,299,327	242,642	6.996
-Month/Annual Average			August	3,518,731	3,272,951	245,780	7.096
-Measure Type			July	3,610,878	3,233,654	377,224	10.496
 Seasonally Adjusted 			June	3,561,870	3,180,733	381,137	10.796
Geography:			May	3,619,124	3,236,482	382,642	10.696
			April	3,545,107	3,040,409	504,698	14.296
Arizona			March	3,587,701	3,406,748	180,953	5.096
Separably adjusted:			February	3,584,045	3,407,756	176,289	4.996
Seasoning Augustee.			January	3,581,294	3,409,624	171,670	4.896
1e5 ¥	Arizona	2019	December	3,577,998	3,409,326	168,672	4.796
1			November	3,573,493	3,405,586	167,907	4.796
Arca.			October	3,567,196	3,398,108	169,088	4.796
Arizona 👻			September	3,559,219	3,388,474	170,745	4.896
			August	3,550,819	3,378,991	171,828	4.896
Year:			July	3,542,350	3,370,439	171,911	4.996
(All) •			June	3,533,838	3,362,138	171,700	4.996
			May	3,525,840	3,353,848	171,992	4.996
Month/Annual Average:			April	3,518,531	3,345,552	172,979	4.996
(Multiple values) *			March	3,511,703	3,337,412	174,291	5.096
			February	3,505,030	3,329,490	175,540	5.096
Measure Type:			January	3,497,563	3,321,318	176,245	5.096
(Multiple values) *	Arizona	2018	December	3,488,395	3,312,873	175,522	5.096
()			November	3,477,513	3,304,082	173,431	5.096
			October	3,465,247	3,294,961	170,286	4.996
			September	3,452,490	3,285,694	166,796	4.896
Customize as needed			August	3,440,243	3,276,561	163,682	4.896
			July	3,429,631	3,268,114	161,517	4.796
			June	3,420,589	3,260,103	160,486	4.7%
			May	3,411,942	3,251,635	160,307	4.796

UNEMPLOYMENT INSURANCE STATISTICS

Data Description

This data comes from the Department of Labor's PROMIS program and the Employment and Training Administration. The purpose of these data are to analyze the unemployment trends in the nation and in Arizona. These data identify which industry sectors and geographic regions are recording the largest changes in initial unemployment insurance claims filings. The demographic data provided in these tables do not reflect the total number of initial UI claims filed within Arizona



Modify as desired



ARIZONA'S LABOR MARKET

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IN-DEMAND JOBS

Review wage and employment information for key industries and occupations around the state.

EXPLORE IN-DEMAND JOBS

— Click here





OEO In Demand Industries and Occupations

Analysis is customized for each local workforce area.

In-demand status was determined using:

- Historic employment and wage
- Projected employment growth
- Knowledge, skills and abilities

Update Frequency: Every two years





IN-DEMAND INDUSTRIES AND OCCUPATIONS



Data Description



O.E.O. provides rankings for industries across the state and local workforce areas that are expected to have the greatest employment and wage growth.



Local Workforce Labor Market Information

INSTRUCTIONS-START HERE

Find out what industries are booming in your area!

How to get started:

-Select a Local Area

-Select an Industry Detail

-Identify qualified in-demand industry sectors by reviewing employment and wage estimates

-Industries that have been identified as in-demand by state methodology are highlighted in blue and are represented with the star symbol

Local Area:		Industry Detail:	
Arizona	•	Industry Sectors	▼

In-Demand Industries

Industry	≞_	Industry Rank	Employment Level	Projected Growth ('18-'20)	Average Wages	Wage Growth ('15-'18)
Construction		1	163,693	5.8%	\$61,100	3.5%
Health care and social assistance		2	384,021	3.9%	\$54,548	0.4%
Professional and technical services		3	158,328	4.6%	\$86,788	1.0%
Information Technology		4	19,821	5.8%	\$96,304	16.0%
Finance and insurance		5	163,324	2.5%	\$74,308	1.8%
Manufacturing		6	172,169	3.6%	\$74,880	0.4%





Modify as desired



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LABOR FORCE

Identify the latest monthly labor force trends occurring within Arizona counties, cities and towns.

LABOR FORCE DATA Click here





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LABOR FORCE Modify to desired area Arizona \mathbf{v} LABOR FORCE PARTICIPATION LABOR FORCE SIZE LABOR FORCE PARTICIPATION RATE BY EDUCATIONAL April 2021 - Seasonally Adjusted 2019 ATTAINMENT(2019)* Total (population 25-64 75.9% 3,598,396 59.7% years old) **Educational Category** Rate Labor Force Level Total (16 years and above) Less than a high school 61.2% 76.1% diploma 39.6% 79.9% +1.5% 20-24 Years 25-34 Years 16-19 Years High school graduates 71.3% Year-over-Year Change Some college or associate 79.2% 60.6% 15.0% 76.6% degree 35-54 Years 55-64 Years 65 Years+ Bachelor's degree or higher 84.8% * Minimum education as defined by BLS





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DATA ACCESS

Access multiple employment and population data sources to find the data that's right for you.







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