

# Examining Affordability in Ohio: Data Toolkit

December 13, 2023



## Objective

The data analyzed and presented by Scale Strategic Solutions and Education Strategy Group reflect a **snapshot** of higher education affordability and labor market conditions across Ohio. As such, these data are not evergreen; they must be updated and refined as conversations continue about the cost of higher education in Ohio and its value to Ohio's workforce.

The objective of this Data Toolkit document is to provide a step-by-step guide for Ohio stakeholders that wish to dig more deeply into issues of affordability and the labor market outcomes of their students and graduates. Each section below will provide recommended **national** and **state-level** data sources that will allow institutional researchers (and other higher education professionals) to investigate local labor markets and their intersections with higher education's outputs, as well as data with which institutions can design strategies to make higher education more affordable, particularly for specific student subgroups.

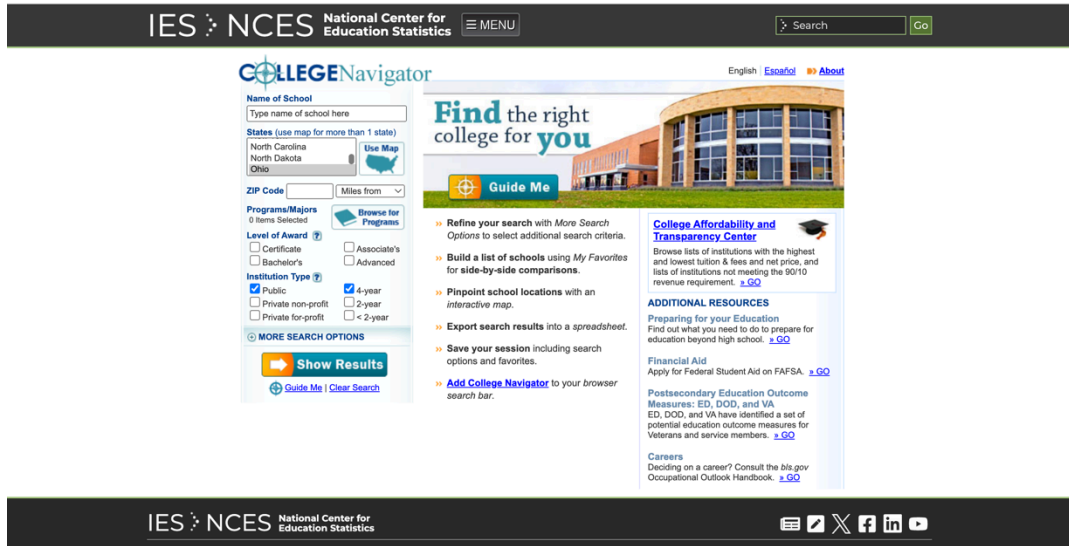
Institutional researchers and other higher education professionals can use the datasets presented below to answer many questions about affordability and graduates' workforce outcomes, including:

1. What are the tuition and fees and cost of attendance (COA) at each public higher education institution in Ohio?
2. How much financial aid, on average, is awarded to students at each public college or university in Ohio? Is this financial aid merit- or need-based?
3. What is the FAFSA filing rate in each of Ohio's K-12 school districts? How do these rates vary across the state?
4. What are graduates' workforce outcomes? On average, how much does a graduate of each public higher education institution in Ohio earn in the workforce upon earning a credential?
5. What are high-need, high-demand jobs across Ohio? How does this demand vary by region?

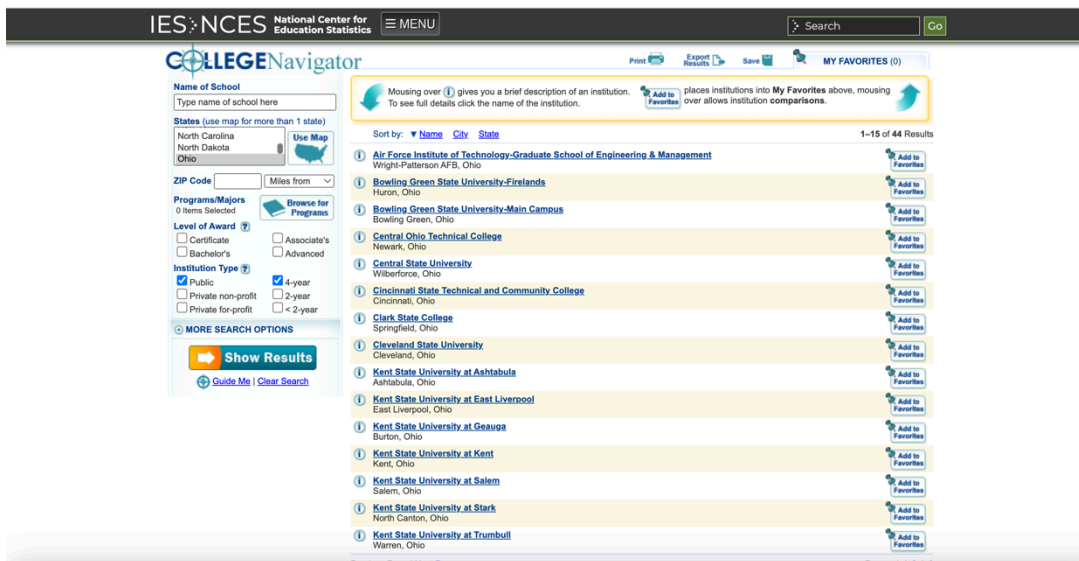
*Questions 1 & 2: National Center for Education Statistics (NCES) College Navigator and Ohio Department of Higher Education (ODHE) reports and datasets*

<https://nces.ed.gov/collegenavigator/>

The NCES College Navigator tool provides various data elements that can be used to explore Questions 1 and 2 about tuition and fees and financial aid above. Using the Search Panel on the left side of the home page, institutional researchers and policymakers can limit their search to, for example, public four-year higher education institutions in Ohio:



After clicking “Show Results,” the College Navigator tool will list all higher education institutions that meet the criteria selected in the Search Panel:



Selecting Bowling Green State University – Main Campus, for example, shows several drop-down categories to explore tuition and fees, financial aid awards, progression metrics, graduation rates, programs offered, etc. To explore Questions 1 and 2 above, users can navigate through the Tuition, Fees, and Estimated Student Expenses and Financial Aid drop down menus:

IES: NCES National Center for Education Statistics

COLLEGE Navigator

Back to Results | Print | Save | MY FAVORITES (0)

Name of School: Type name of school here

States (use map for more than 1 state): North Carolina, North Dakota, Ohio

ZIP Code: Miles from

Programs/Majors: 0 items Selected

Level of Award: Certificate, Bachelor's, Associate's, Advanced

Institution Type: Public, Private non-profit, Private for-profit, 4-year, 2-year, < 2-year

MORE SEARCH OPTIONS

Show Results

Guide Me | Clear Search

Bowling Green State University-Main Campus

220 McFall Ctr, Bowling Green, Ohio 43403

General information: (418) 372-5526

Website: www.bgsu.edu

Type: 4-year, Public

Awards offered: Less than one year certificate, Bachelor's degree, Postbaccalaureate certificate, Master's degree, Post-master's certificate, Doctor's degree - research/scholarship

Campus setting: Town, Fringe

Campus housing: Yes

Student population: 16,920 (13,853 undergraduate)

Student-to-faculty ratio: 17 to 1

Expand All | Collapse All

GENERAL INFORMATION

TUITION, FEES, AND ESTIMATED STUDENT EXPENSES

FINANCIAL AID

NET PRICE

ENROLLMENT

ADMISSIONS

RETENTION AND GRADUATION RATES

OUTCOME MEASURES

PROGRAMS/MAJORS

SERVICEMEMBERS AND VETERANS

VARSITY ATHLETIC TEAMS

ACCREDITATION

CAMPUS SECURITY AND SAFETY

COHORT DEFAULT RATES

IPEDS ID: 201441

OPE ID: 00301800

## Tuition, Fees, and Estimated Student Expenses:

IES: NCES National Center for Education Statistics

Private for-profit | 2-year

MORE SEARCH OPTIONS

Show Results

Guide Me | Clear Search

TUITION, FEES, AND ESTIMATED STUDENT EXPENSES

ESTIMATED EXPENSES FOR FULL-TIME BEGINNING UNDERGRADUATE STUDENTS

Beginning students are those who are entering postsecondary education for the first time.

ESTIMATED EXPENSES FOR ACADEMIC YEAR	2019-2020	2020-2021	2021-2022	2022-2023	% CHANGE 2021-2022 TO 2022-2023
<b>Tuition and fees</b>					
In-state	\$11,316	\$11,573	\$13,061	\$13,639	4.4%
Out-of-state	\$19,305	\$19,562	\$21,049	\$22,212	5.5%
Books and supplies	\$727	\$728	\$690	\$710	2.9%
<b>Living arrangement</b>					
<b>On Campus</b>					
Room and board	\$9,168	\$10,714	\$10,974	\$12,584	14.7%
Other	\$3,976	\$4,006	\$4,228	\$3,460	-18.2%
<b>Off Campus</b>					
Room and board	\$7,694	\$7,892	\$7,794	\$8,614	10.5%
Other	\$5,261	\$5,286	\$4,644	\$5,285	13.8%
<b>Off Campus with Family</b>					
Other	\$4,966	\$4,972	\$5,098	\$5,836	14.5%
<b>TOTAL EXPENSES</b>	<b>2019-2020</b>	<b>2020-2021</b>	<b>2021-2022</b>	<b>2022-2023</b>	<b>% CHANGE 2021-2022 TO 2022-2023</b>
<b>In-state</b>					
On Campus	\$25,187	\$27,021	\$28,953	\$30,393	5.0%
Off Campus	\$24,998	\$25,479	\$26,189	\$28,248	7.9%
Off Campus with Family	\$17,009	\$17,273	\$18,849	\$20,185	7.1%
<b>Out-of-state</b>					
On Campus	\$33,176	\$35,010	\$36,941	\$38,966	5.5%
Off Campus	\$32,987	\$33,468	\$34,177	\$36,821	7.7%
Off Campus with Family	\$24,998	\$25,262	\$26,837	\$28,758	7.2%

At the state-level, longitudinal tuition and fees data are available in Excel format from the Ohio Department of Higher Education, should any user wish to conduct additional analyses:

[https://highered.ohio.gov/data-reports/data-and-reports-sa/tuition\\_financial\\_aid/tuition\\_and\\_fees/tuition-fees-2007-2022](https://highered.ohio.gov/data-reports/data-and-reports-sa/tuition_financial_aid/tuition_and_fees/tuition-fees-2007-2022)

## Financial Aid:



IES: NCES National Center for Education Statistics

MENU

Search Go

MORE SEARCH OPTIONS

Show Results

Guide Me | Clear Search

FINANCIAL AID

UNDERGRADUATE STUDENT FINANCIAL AID, 2021-2022

Full-time Beginning Undergraduate Students

• Beginning students are those who are entering postsecondary education for the first time.

TYPE OF AID	NUMBER AWARDED AID	PERCENT AWARDED AID	TOTAL AMOUNT OF AID AWARDED	AVERAGE AMOUNT OF AID AWARDED
Any student financial aid <sup>1</sup>	2,670	98%	—	—
Grant or scholarship aid	2,601	95%	\$23,144,351	\$8,898
Federal grants	1,783	65%	\$7,623,552	\$4,276
Pell grants	725	26%	\$3,454,023	\$4,764
Other federal grants	1,782	65%	\$4,169,529	\$2,340
State/local government grant or scholarships	509	19%	\$1,312,930	\$2,579
Institutional grants or scholarships	2,249	82%	\$14,207,869	\$6,317
Student loan aid	1,684	62%	\$12,937,926	\$7,683
Federal student loans	1,660	61%	\$8,823,413	\$5,315
Other student loans	294	11%	\$4,114,513	\$13,995

• <sup>1</sup> Includes students awarded Federal work study aid and aid from other sources not listed above.

All Undergraduate Students

TYPE OF AID	NUMBER AWARDED AID	PERCENT AWARDED AID	TOTAL AMOUNT OF AID AWARDED	AVERAGE AMOUNT OF AID AWARDED
<b>Degree/certificate-seeking</b>				
Grant or scholarship aid <sup>1</sup>	11,141	87%	\$97,925,754	\$8,790
Pell grants	3,302	26%	\$15,724,919	\$4,762
Federal student loans	7,146	56%	\$45,395,969	\$6,353
<b>Non-degree/non-certificate-seeking</b>				
Grant or scholarship aid <sup>1</sup>	50	3%	\$121,293	\$2,426

The State of Ohio, via the Ohio Department of Higher Education, produces many annual reports discussing tuition and fees and financial aid across Ohio's public higher education enterprise. These reports and any accompanying datasets are available here:

<https://highered.ohio.gov/data-reports/key-topic-areas/dr-tuition-financial-aid/data-reports-tuition-financial-aid>

*Question 3: Federal Student Aid FAFSA Completion by School District*

<https://studentaid.gov/data-center/student/application-volume/afsa-completion-high-school>

Filing the Free Application for Federal Student Aid (FAFSA) is strongly correlated with students applying to and enrolling in higher education. It is imperative that institutional researchers and higher education policymakers can track FAFSA filing rates by high school and school district, such that resources may be directed to schools and districts needing additional FAFSA support:

Home > Data Center > Student Aid Data > Application Volume Reports > FAFSA® Completion by High School and Public School District

## FAFSA® Completion by High School and Public School District

As the cost of college continues to increase, financial aid becomes ever more important. While many factors are involved in the decision to attend college, a strong correlation exists between FAFSA completion and college enrollment.

Previously, high schools relied on self-reported surveys to estimate their FAFSA completion rate, and that data can be inaccurate. For this reason, [Federal Student Aid](#) provides high schools with current data about their FAFSA submissions and completions, so that high schools can track their progress and help to ensure that their students complete a [FAFSA form](#). A completed FAFSA form allows the U.S. Department of Education to determine a potential student's eligibility for federal student aid—a key factor in families' college decisions.

The data included in the attached charts reflect the number of submitted and completed FAFSA forms among first-time filing applicants no older than 19 years old at the cutoff date who will have received their high school diploma by the start of the school year to which they are applying for aid. For each high school, the number of submitted and completed applications is reported for the application cycles of 2022–23 and 2023–24 and the same time period last year for the previous application cycle of



Higher education professionals can navigate this site using the dropdown “FAFSA data by State/Territory” menu to select Ohio. Ohio’s FAFSA completion data – organized by high school and district - can be downloaded as an Excel file and used for any relevant analyses:

events (along with sample PowerPoint presentations), provides suggested messages for social media and email outreach, and helps find other training opportunities.

### FAFSA Data by State/Territory

FAFSA Data by State/Territory



### Completion Report Archives

2023



2022



2021

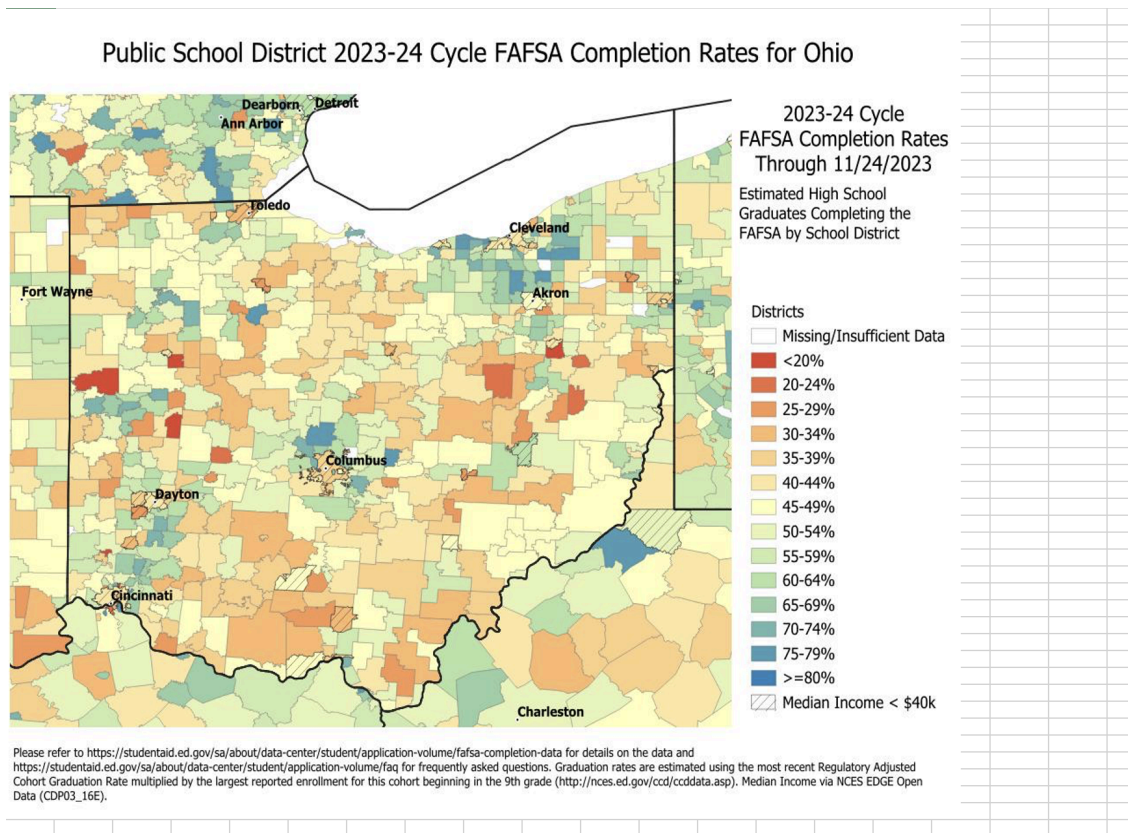


2020



Free Application for Federal Student Aid (FAFSA) Estimated Completion Rates by Public School District						
Applications processed through November 24 of the first 15 months of each cycle						
LEAID	District Name	State	2023/ 2024 Cycle		2022/ 2023 Cycle	
			Through November 24, 2023 Estimated FAFSA Completion Percentage	Through November 24, 2023 Estimated FAFSA Completion Percentage	Through June 2022 Estimated FAFSA Completion Percentage	Through December 2022 Estimated FAFSA Completion Percentage
3904830	BOARDMAN LOCAL	OH	65-69	60-64	50-54	60-64
3904976	BOTKINS LOCAL	OH	75-79	65-69	60-64	65-69
3904363	BOWLING GREEN CITY SCHOOL DISTRICT	OH	50-54	60-64	55-59	60-64
3904522	BRADFORD EXEMPTED VILLAGE	OH	40-44	45-49	40-44	45-49
3904364	BRECKSVILLE-BROADVIEW HEIGHTS CITY	OH	70-74	75-79	70-74	75-79
3901582	BRIDGE GATE COMMUNITY SCHOOL	OH	Missing/Insufficient Data	Missing/Insufficient Data	Missing/Insufficient Data	Missing/Insufficient Data
3904523	BRIDGEPORT EXEMPTED VILLAGE	OH	45-49	70-74	60-64	70-74
3904761	BRIGHT LOCAL	OH	40-44	25-29	25-29	25-29
3905011	BRISTOL LOCAL	OH	50-54	60-64	55-59	60-64
3905012	BROOKFIELD LOCAL	OH	50-54	50-54	40-44	50-54
3904365	BROOKLYN CITY	OH	50-54	50-54	40-44	50-54
3904867	BROOKVILLE LOCAL	OH	60-64	60-64	55-59	60-64
3904617	BROWN LOCAL	OH	25-29	45-49	35-39	45-49
3904366	BRUNSWICK CITY	OH	65-69	55-59	50-54	55-59

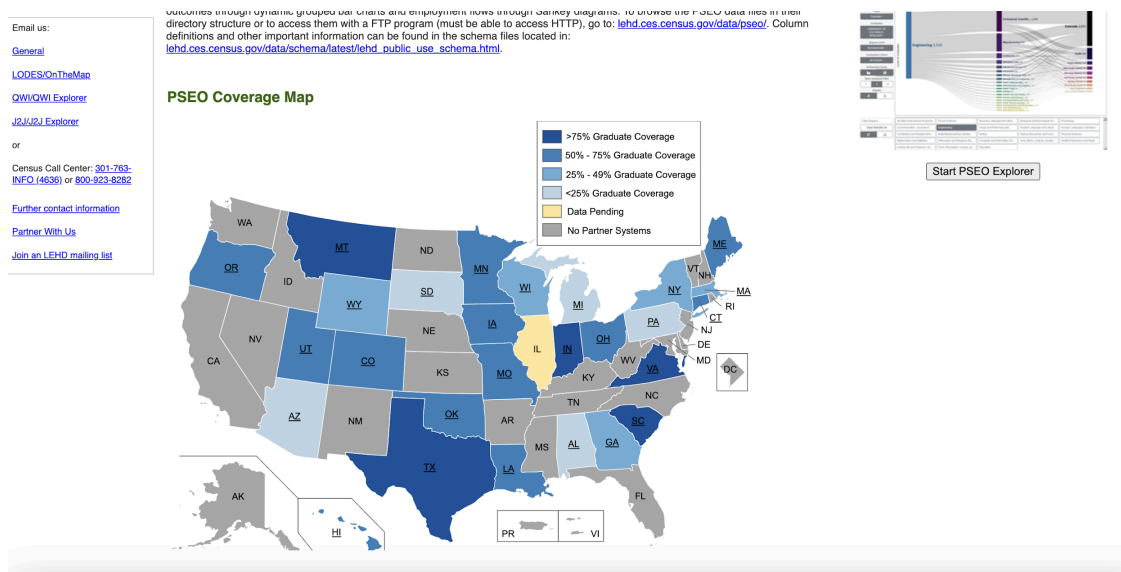
These data are also displayed as a heat map, to depict visually which schools and districts across the state could benefit from additional FAFSA support. Clicking on the fourth tab, labeled “Map OH 2023-24 Current Data” on the Excel sheet above, will display this map presenting the proportion of high school graduates in each district who have filed a FAFSA in the current academic year:



#### Question 4: Census Postsecondary Education Outcomes (PSEO) data

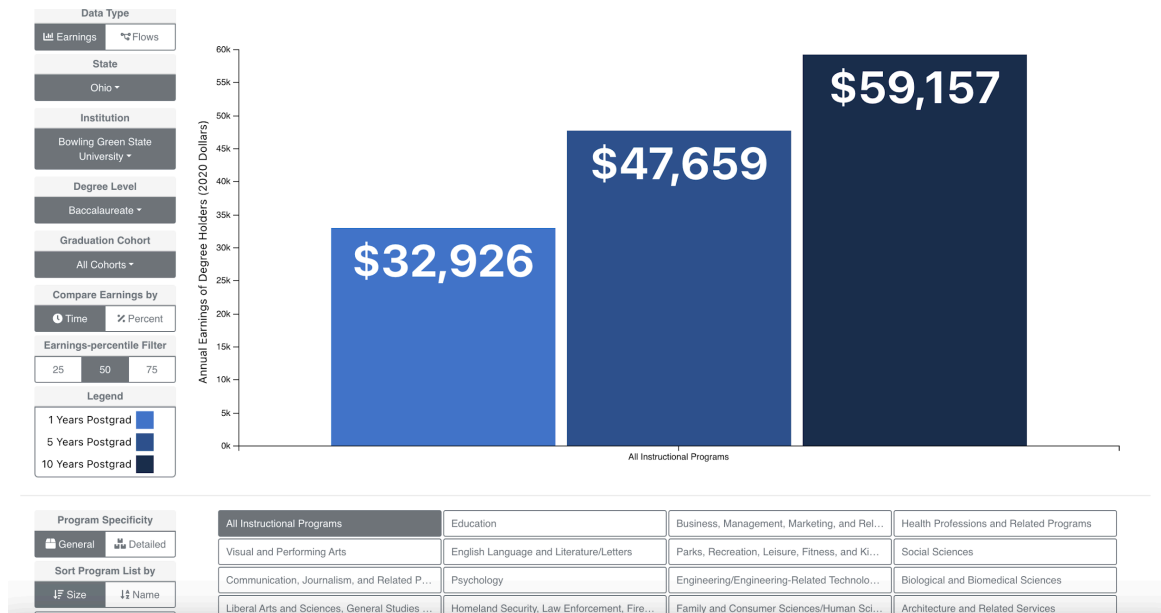
[https://lehd.ces.census.gov/data/pseo\\_experimental.html](https://lehd.ces.census.gov/data/pseo_experimental.html)

The United States Census Bureau's PSEO tool provides college graduates' earnings data, by institution and by major. These data can be used to explore the 1-, 5-, and 10-year earnings of graduates earning degrees in different fields at each higher education institution across Ohio and will help researchers explore Question 4 about graduates' short- and long-term earnings.



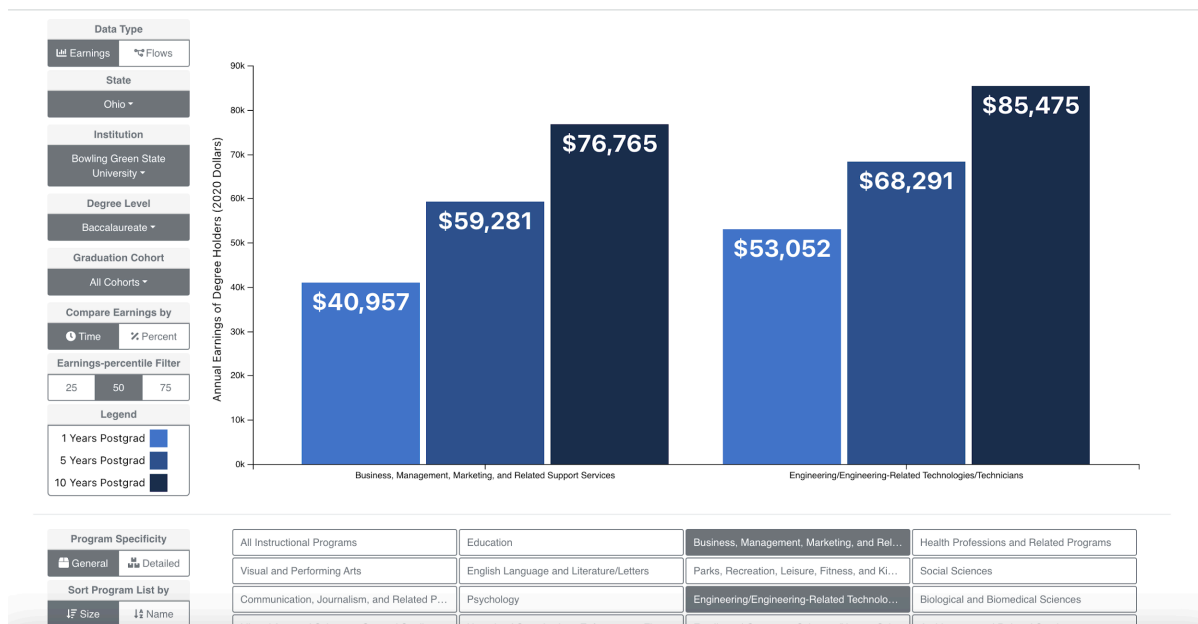
After using the map to select Ohio, researchers can use the Search Panel on the left side of the dashboard to select the institution, degree level, and graduating cohorts of interest. **Bachelor's degree earners from Bowling Green State University** will again serve as the example.

Using the gray boxes at the bottom of the page, users can select the specific major about which they are interested in learning, or include, in this case, bachelor's degrees conferred in all instructional programs:



Using the legend on the left, researchers can assess the average earnings of all Bowling Green State’s graduates over 1-, 5-, and 10-years.

Further, if users are interested in comparing earnings by specific majors, these majors can be selected using the gray boxes. For example, when comparing the earnings of Business and Engineering majors, the figure displays six bars to compare the short- and longer-term earnings of graduates by major:



For any user wishing to do additional analysis, data imported into the PSEO dashboard are available in Excel format from the Ohio Department of Higher Education:



<https://highered.ohio.gov/data-reports/data-and-reports-sa/data-employment/census-pseo-retention-data>

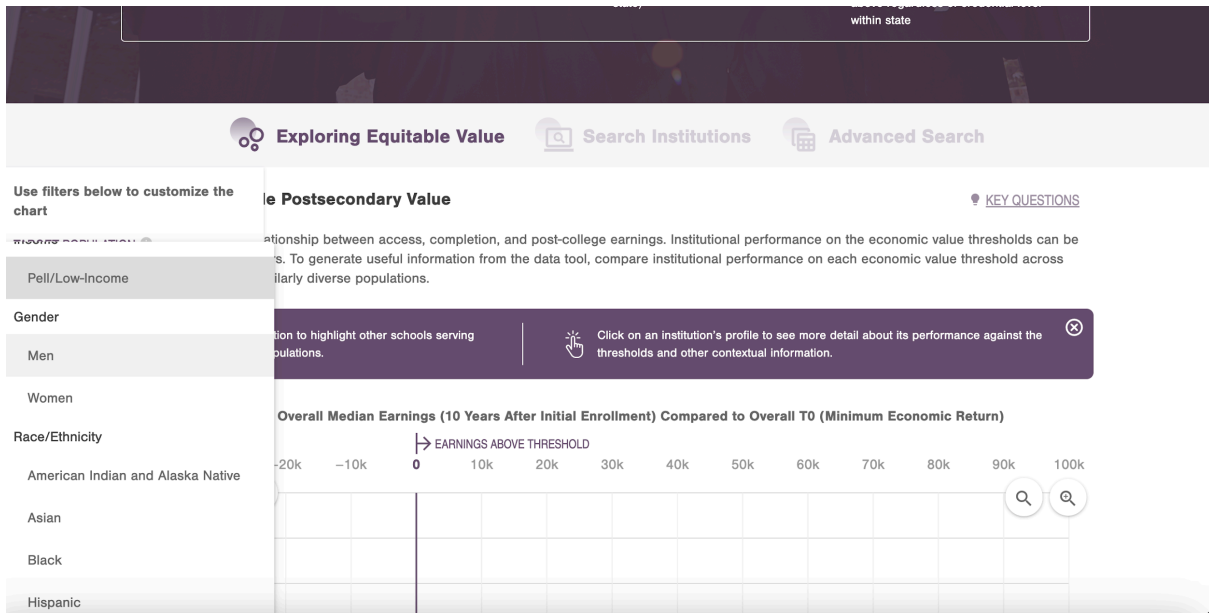
#### Question 4: Postsecondary Value Commission Equitable Value Explorer

<https://equity.postsecondaryvalue.org/datatool>

The Equitable Value Explorer provides additional information about students' earnings upon entering the workforce after graduating from one of Ohio's higher education institutions. Using the filters on the left side of the dashboard, users can select Ohio and the degree levels of interest, and can sort on the higher education sector (public, private, or proprietary) of interest:



What is unique about this tool is the use of a minimum value threshold (“Threshold Zero”) to determine whether students’ earnings over time surpass the cost of earning a credential/degree in Ohio. These data are critical for forthcoming conversations about higher education’s return on investment and the value of various credentials in the workforce. Further, users can filter on the earnings of subgroups of students – by income, race, gender, etc. – to determine any implications of equity in higher education and workforce outcomes.

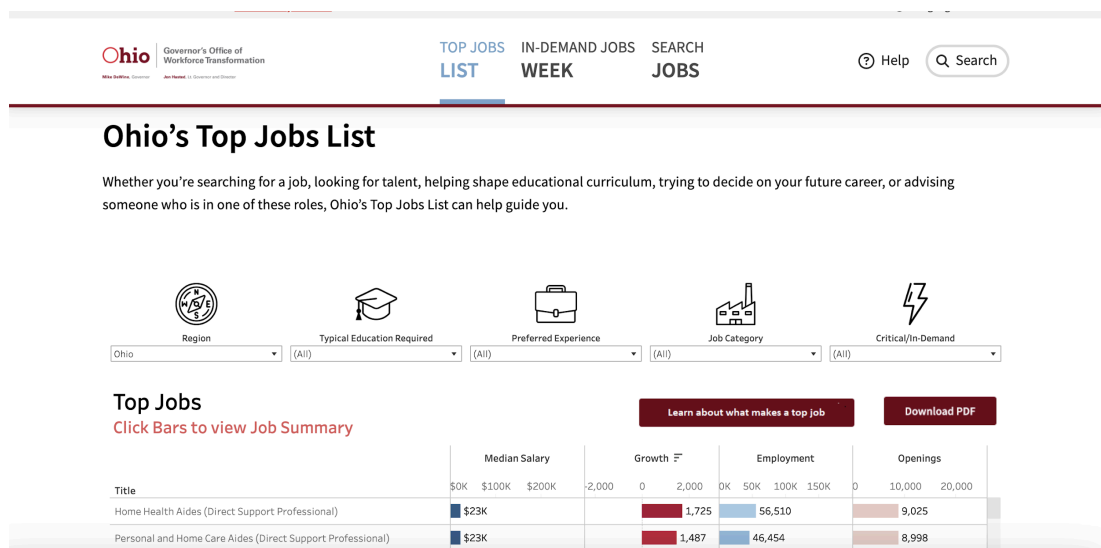


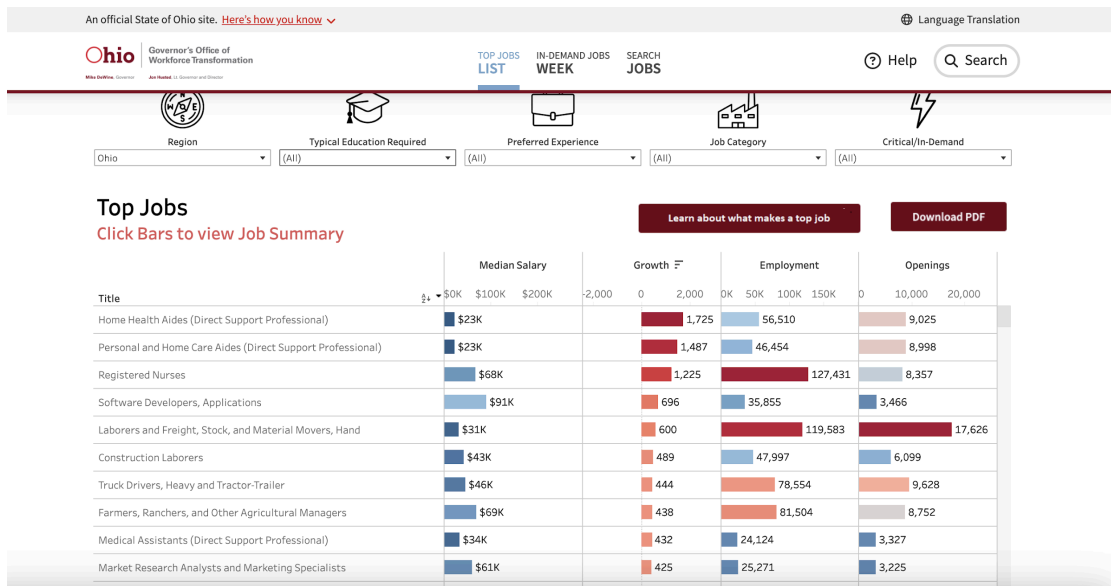
### Question 5: Ohio's Top Jobs

<https://topjobs.ohio.gov/top-jobs-list/ohios-top-jobs-list>

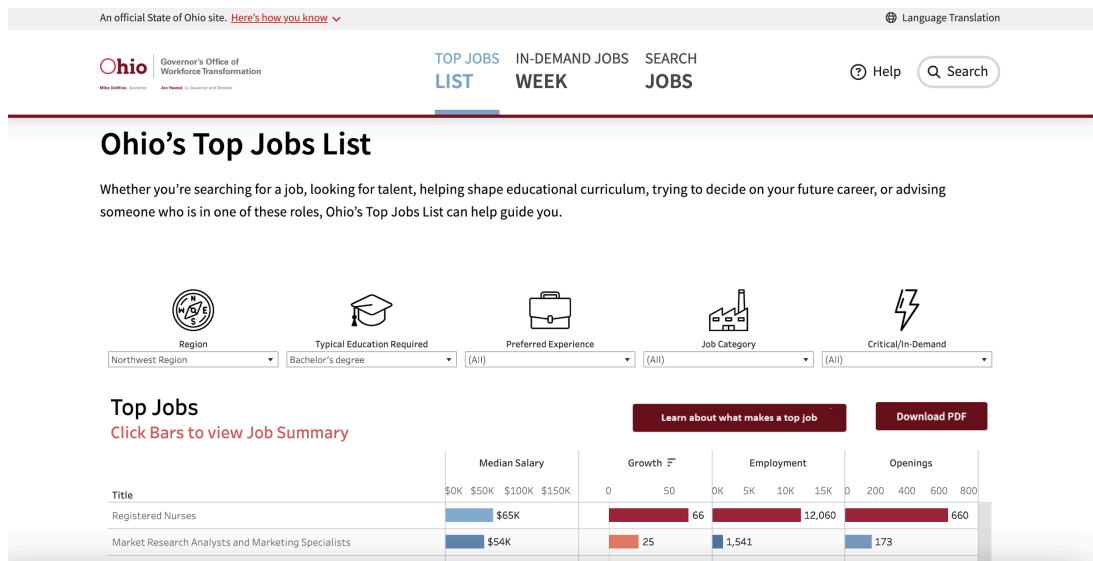
Ohio's Top Jobs is a state-level data dashboard, maintained by the Ohio Governor's Office of Workforce Transformation, that lists high demand jobs in Ohio. These data can be sorted by region and degree type needed for employment, as well as experience preferred by employers looking to hire in each field.

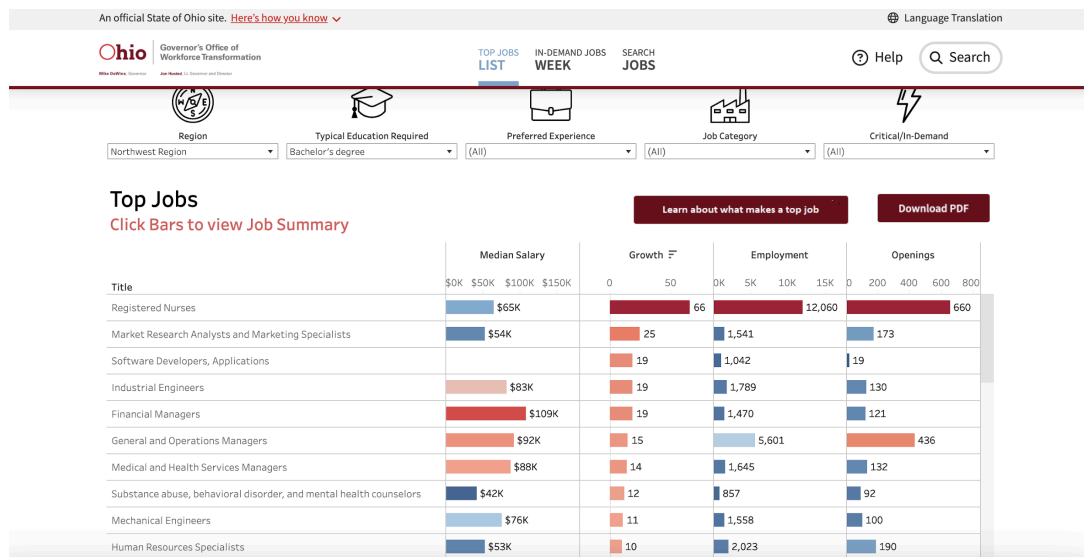
Users can first look at all high need jobs across the state at all education levels, navigating the data dashboard using the five dropdown menus at the top of the page. Each job shows five bar graphs, presenting median earnings, how quickly jobs are growing, total employment, and job openings by field:





Users can also sort by Region and Typical Education Required using the dropdown menus. For example, high demand jobs in Northwest Ohio that typically require a bachelor's degree are shown below. High demand jobs requiring a bachelor's degree in this region include nurses, market research analysts, software developers, and engineers:





<https://highered.ohio.gov/data-reports>

Using these reports and datasets will allow institutions to compare their performance on various metrics (i.e., retention, graduation rates, tuition and fees, and financial aid awarded) to other public higher education institutions across Ohio, as well as evaluate their own performance – on these metrics and many others - over time. These data are aggregated to the institution-level, rather than the student-level (which are much more widely available at each institution, as will be described below) and provide very important context when considering affordability and workplace outcomes across Ohio’s higher education enterprise, and how each institution is performing within this enterprise.

## Institutional Level Data

It is important to note that higher education institutions often collect additional data elements and have much more detailed data beyond what is provided to state- and federal-level policymaking entities. As such, institution-specific student-level data is much more nuanced and is often even more useful than the national and state-level data sources mentioned above. This is particularly true, for example, when considering institution-specific financial aid awarded at each institution (i.e., merit scholarships, athletic scholarships, etc.) as contributors to higher education’s affordability, and when institutions are attempting to do any data analyses by student subgroup (i.e., sex, race, income, etc.)

## Recommended Data Use

The national and Ohio-specific data resources discussed above can be used to explore numerous questions and potential state-level policy proposals – those listed above and many others - related to higher education affordability and workforce alignment. These data can provide greater perspective on many issues including:

- Maintaining or adjusting tuition and fee caps;
- Reevaluating and assessing state-funded financial aid programs (i.e., the Ohio College Opportunity Grant;)
- Targeting statewide and localized efforts to increase FAFSA completion;
- Incentivizing, as appropriate, students to major in programs of study leading to employment in high-need fields; and
- Providing transparent information to students and their families about one's earning potential upon earning a particular degree.

Further, working with various community partners and Communications specialists, this data may be used to inform Ohioans about the role higher education plays in the economic successes of their communities, and strategies to align higher education's offerings with the needs of local workforces. While it is imperative that these data are used to answer relevant policy questions, it is even more critical that data are also communicated in a way that is accessible to those who are less "data fluent" (i.e., infographics, interactive data dashboards, etc.)