ESG Education Strategy Group

Cross-Sector Dashboards

Minnesota P-20 Council Meeting
July 23, 2020

Guiding Principles for Minnesota

- Include a prioritized set of the highest-leverage indicators of student success across the learner lifespan to allow the P-20 Council to more deeply understand when and how students are getting lost in the transition

- Enable the P-20 Council to assess the state's progress and develop targeted strategies to support meeting the postsecondary attainment goal

- Hold each sector—K-12, higher education, and the workforce—accountable to addressing these gaps and providing support to the districts, schools, and students that need it most

Guiding Principles for Minnesota

- **Cross-Sector**
- **Digestible**
- **Predictive**
- **Research-Driven**
- **Strategic**
- **Equitable**
- **Comparable**

State Dashboards

State	Organization	Target Audience	Why We Featured
North Carolina	**MyFutureNC** *(attainment non-profit)*	(1) State leaders (2) Local leaders (3) General public	The detailed dashboard tracks progress towards the state's postsecondary attainment goal and drives local action through county profiles.
Arizona	**Expect More Arizona** *(advocacy non-profit)*	(1) General public (2) State and local leaders (3) Practitioners	The Arizona Progress Meter makes a set of eight priority metrics accessible through engaging videos, case studies, and recommended actions.
Texas	**Texas 2036** *(advocacy non-profit)*	(1) General public (2) State and local leaders	The Data Lab's user-friendly, dynamic, and customizable interface allows the public and policymakers alike to leverage data to drive action.
Kentucky	**KYSTATS** *(state public research)*	(1) State and local leaders (2) Practitioners (3) Researchers (4) General public	The most trusted authority for education and workforce data in the state serves as a single source for detailed and dynamic reports.

North Carolina

MYFUTURENC

North Carolina

Partners

myFUTURENC
2 million by 2030.

CAROLINA DEMOGRAPHY

John M Belk Endowment
ELEVATE THROUGH EDUCATION

Purpose

To **measure progress** across the education continuum and **unite around common goals** as we work collaboratively to **meet the state attainment goal.**

- Which areas of the education continuum are working well?
- Where do we need to focus the most energy and attention?
- How is North Carolina doing compared to other states?
- How can we empower local leaders to drive action in their communities?

Audience

1) State leaders
2) Local leaders
3) General public

ESG

myFUTURENC
2 million by 2030.

ABOUT WHO WE ARE THE GOAL DASHBOARD NEWS RESOURCES CONTACT

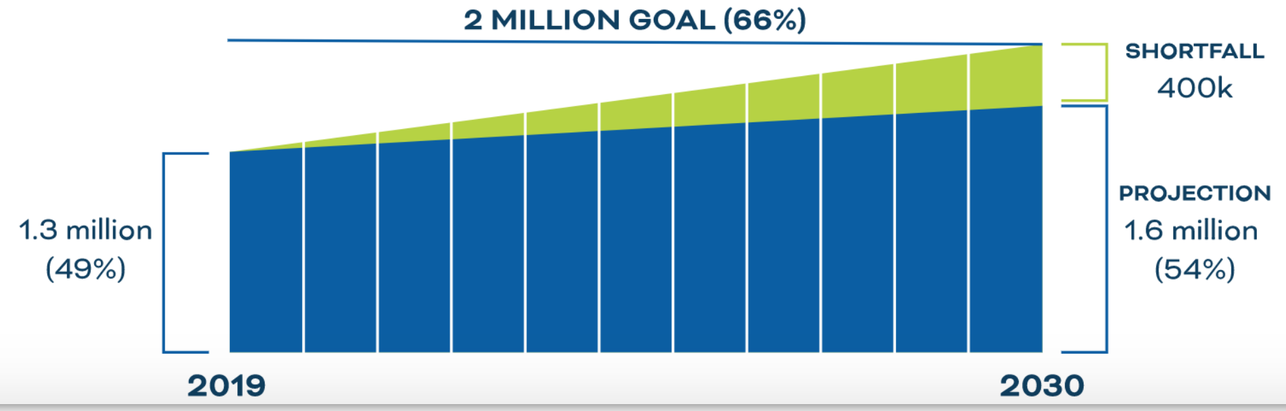
Measuring Our Progress

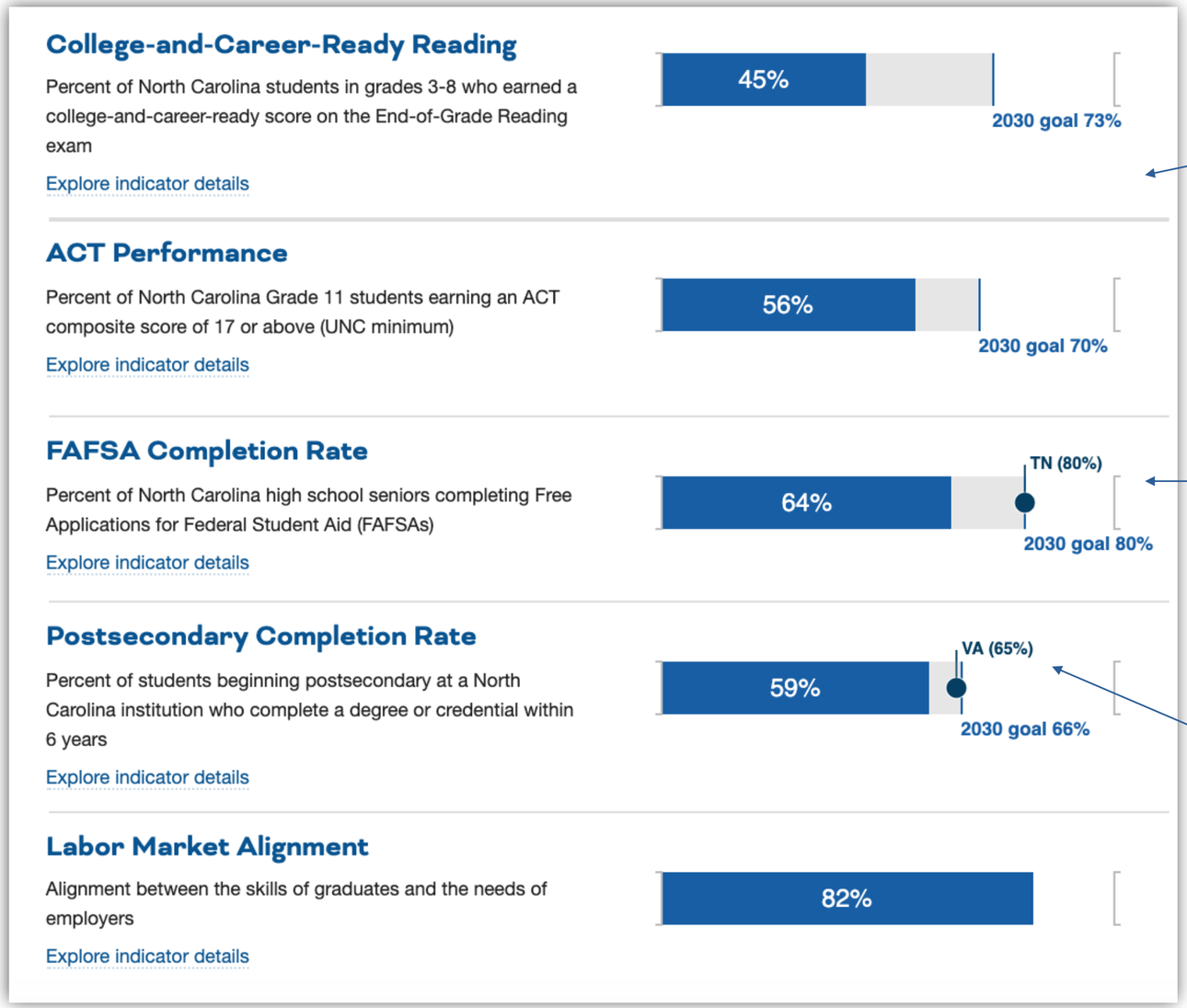
TOWARDS OUR GOAL: 2 MILLION BY 2030

Without action, **we are projected to fall short in 2030 by 400,000 individuals** with the skills needed to fill our projected job needs. This dashboard tracks progress toward the 2030 statewide attainment goal, using proven indicators, and establishes benchmarks to show how North Carolina students are performing along the entire education continuum, from NC Pre-K through college and career.

Without Action, We Will Fall Short

NC DEGREES / CREDENTIALS INDIVIDUALS AGED 25-44





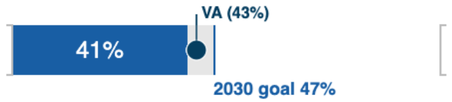
Prioritizes five indicators (of 18) across K–12, higher education, and workforce on the main page.

Sets individual targets for each metric, and shows progress based on current performance.

Benchmarks against the highest performing peer state in the South.

Postsecondary Enrollment Rate

Percent of North Carolinians 18-24 enrolled in a postsecondary institution



Last updated: 2018

● = Top southern state (not available for all indicators)

Back to Dashboard

How is Postsecondary Enrollment Rate defined?

What does this data show?

Why does Postsecondary Enrollment Rate matter?

How is North Carolina performing?

Methodology

Learn more

How is Postsecondary Enrollment Rate defined?

Percent of 18-24-year-olds enrolled in college or graduate school.

What does this data show?

North Carolina's postsecondary enrollment rate is 41%, placing our state 27th among all states in 2018. In Virginia, the Southern state with the highest postsecondary enrollment rate, 43% of 18-24-year-olds are enrolled in college or graduate school. Nationally, the state with the highest postsecondary enrollment rate is Massachusetts (53%).

By 2030, the goal is to have 47% of North Carolina 18-24-year-olds enrolled in college or graduate school. This goal was set by the myFutureNC Commission.

Why does Postsecondary Enrollment Rate matter?

Postsecondary enrollment and postsecondary attainment are tightly linked: enrollment in postsecondary is a necessary precursor to earning a degree or credential.

Allows for deeper dive into each metric.

Identifies existing programs and initiatives.

Who is working on this in NC?

Help improve this section

If you know of an organization that is working on this topic in NC, please let us know on the feedback form.

Name: Gear Up North Carolina

Scope: National

Website: https://www.northcarolina.edu/gearup

About: GEAR UP NC partners with the College Foundation of North Carolina, ACT Inc., the North Carolina Department of Public Instruction, and the State Education Assistance Authority for statewide dissemination of college information. GEAR UP NC is included in the University of North Carolina System Higher Expectations Strategic Plan as a strategy for promoting and improving access to higher education in North Carolina.

Name: College Foundation of North Carolina

Scope: Statewide

Website: https://www.cfnc.org/

About: College Foundation of North Carolina (CFNC) is a free service of the State of North Carolina provided by a collaboration of Pathways (the NC Department of Public Instruction, the NC Community College System, the NC Independent Colleges and Universities, and The University of North Carolina System), the North Carolina State Education Assistance Authority, and College Foundation, Inc. CFNC promotes access to North Carolina higher education and assists students with education planning, career planning, and applying to and paying for college.

Analyzes equity gaps for key subgroups.

Trends

The postsecondary enrollment rate increased during the Great Recession, rising from 38% in 2006 to a high of 42% in 2011. National rates followed a similar pattern, rising from 40% in 2006 to a high of 43% in 2011.

During this period, North Carolina's postsecondary enrollment rate was persistently lower than the national average. The decline in the enrollment rate during the economic recovery has been more pronounced in North Carolina than the national trend, though 2018 data suggests it may be rebounding.

By geography

Urban North Carolina counties had the highest postsecondary enrollment rates in 2018 (48%). Suburban (38%) and non-metropolitan rural counties (37%) had similar rates. Postsecondary enrollment rates were lowest in rural counties within a metropolitan area (30%). At the county level, postsecondary enrollment is strongly associated with the presence of a college or university.

By sex

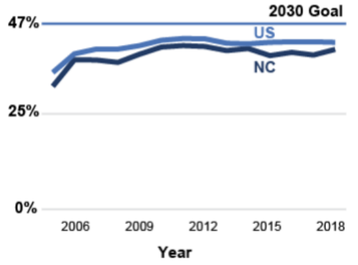
North Carolina women ages 18-24 are more likely to be enrolled in postsecondary than North Carolina men: 47% versus 35%.

By race/ethnicity

Asian young adults are most likely to be enrolled in a college or graduate program (57%) and were the only group where more than half of 18-24-year-olds were enrolled in postsecondary. White and black young adults were enrolled at comparable rates (42%), followed by multiracial (39%) young adults. Hispanic (31%) and American Indian (27%) young adults had the lowest postsecondary enrollment rates in 2018.

Postsecondary enrollment rate remains below 2011 peak

% of 18-24-year-olds enrolled in college or graduate school, NC vs. US, 2006-2018



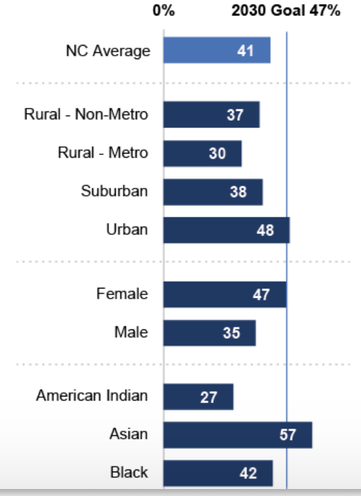
Source: Carolina Demography tabulation of ACS microdata from IPUMS-USA

CAROLINA DEMOGRAPHY

myFUTURENC 2 million by 2030

Which young adults are enrolled in postsecondary in North Carolina?

% of NC 18-24-year-olds enrolled in college or graduate school, 2018



Buncombe County

NC goal: 2 million by 2030
Overview of postsecondary attainment pipeline

INTRODUCTION

From birth to career, there are many opportunities to develop strategies and interventions to increase attainment and improve workforce alignment. Below are some key areas and indicators that highlight where interventions may be possible to improve overall educational attainment outcomes.

COUNTY OVERVIEW

Buncombe County is in the Asheville sub-prosperity zone. It's one of 16 suburban counties in NC. Overall, 50% of 25-44-year-olds in Buncombe County have earned an associate degree or higher, 21% have some college, no degree, and 28% have a high school diploma or less.

2018 Population	261,065
2030 Projected Population	296,961
K-13 Students (2019)	
Traditional Schools	27,741
Charter/Private/Home	10,541
Median Household Income	$53,960

Building the Foundation: Pre-K to 8

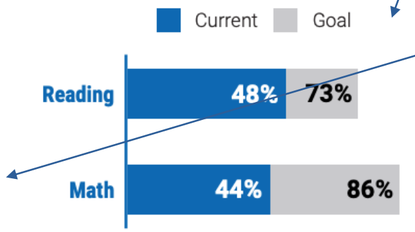
High-quality early learning helps prepare children for future success while academic progress in early school years often predicts later academic challenges.

Buncombe County has 50 public schools with performance grades. Of these schools, 4 or 8% were classified as low performing in 2019.

How students in Buncombe County traditional public schools are currently doing:

To meet state goals, Buncombe County needs:

- **473 more eligible 4-year-olds** enrolled in NC Pre-K program (goal: 75% enrollment).
- **3,154 more 3-8 graders** earning college-and-career ready scores (level 4 or 5) in reading (goal: 73%).
- **5,357 more 3-8 graders** earning college-and-career ready scores (level 4 or 5) in math (goal: 86%).



Ready for Postsecondary

High school completion is a crucial step on the pathway to postsecondary success or the beginnings of a career. Activities that prepare students to navigate the transition to postsecondary include gaining experience in college-level coursework and applying for financial assistance.

To meet state goals, Buncombe County needs:

- **181 more 9th graders** to graduate within four years (goal: 95%).
- **454 more seniors** to complete the FAFSA (goal: 80%)
- **767 more students** to attend school regularly (goal: 11% chronic absenteeism).

1,619 students took at least one AP exam.

1,955 students participated in NC Community College dual enrollment programs.

Benchmarks current performance with the statewide goal.

Quantifies the specific number of students needed to meet goals.

Highlights areas of success.

Identifies target strategies based on peer performance.

HIGH IMPACT STRATEGIES

Compared to suburban counties, these three areas represent the biggest opportunities for Buncombe County to improve future attainment outcomes.

Pre-K Enrollments

35% of Buncombe County eligible 4-year-olds are currently enrolled in NC Pre-K, below the suburban county average of 44%.

Transition to Postsecondary

58% of Buncombe County seniors enroll in postsecondary within 12 months of graduation, below the suburban county average (62%).

High School Graduation

87% of Buncombe County 9th graders complete high school in four years, below the suburban county average (88%).

NC-focused, state-level dashboards

NC Early Childhood Action Plan Data Dashboards

NC Early Childhood Action Plan Data Dashboards

To track progress toward the targets and sub-targets of the 2025 goals in the North Carolina Early Childhood Action Plan, each of the 10 goals of the plan has its own page of data and information. The dashboards are intended to promote collective insight and awareness around the data outlined in the plan. All data will be reevaluated and updated on a regular basis.

NC School Report Cards

NC School Report Cards

North Carolina's school report cards are an important resource for parents, educators, state leaders, researchers, and others, providing information about school- and district-level data in a number of areas. These include student performance and academic growth, school and student characteristics, and many other details.

UNC System Dashboards

UNC System Dashboards

The UNC Data Dashboard is an interactive, online database that gives students, parents, policymakers and taxpayers expanded access to detailed system data on selected core measures.

North Carolina Community College System Dashboards

NCCCS Dashboards

The North Carolina Community College System (NCCCS) dashboards allow users to explore and interact with NCCCS data by theme. The dashboards are designed to help colleges access the data and information needed to facilitate institutional effectiveness and program improvement. Dashboards include system and college-level data views, disaggregations, historical trends, and peer comparisons.

NC Chamber Dashboard 2030

NC Chamber Dashboard 2030

Dashboard 2030 informs dialogue and catalyzes action to address North Carolina's economic development challenges and opportunities. It provides independent and objective data on leading indicators in four critical areas important for state and business competitiveness.

Links to and defines the purpose of existing state-level dashboards.

North Carolina

Strengths

- Sets specific targets
- Benchmarks against peer states
- Dives deep into the definition, rationale, and performance of each metric
- Examines equity gaps
- Localizes the data through county profiles
- Grounds improvement in specific student counts

Limitations

- Does not currently enable examination of trends over time
- No user-driven visualization or filtering of data

Arizona

EXPECT MORE ARIZONA

Arizona

Partners

Expect More Arizona® THE MOVEMENT FOR WORLD-CLASS EDUCATION

CENTER FOR THE FUTURE OF ARIZONA

ASU Decision Center for Educational Excellence
Arizona State University

Purpose

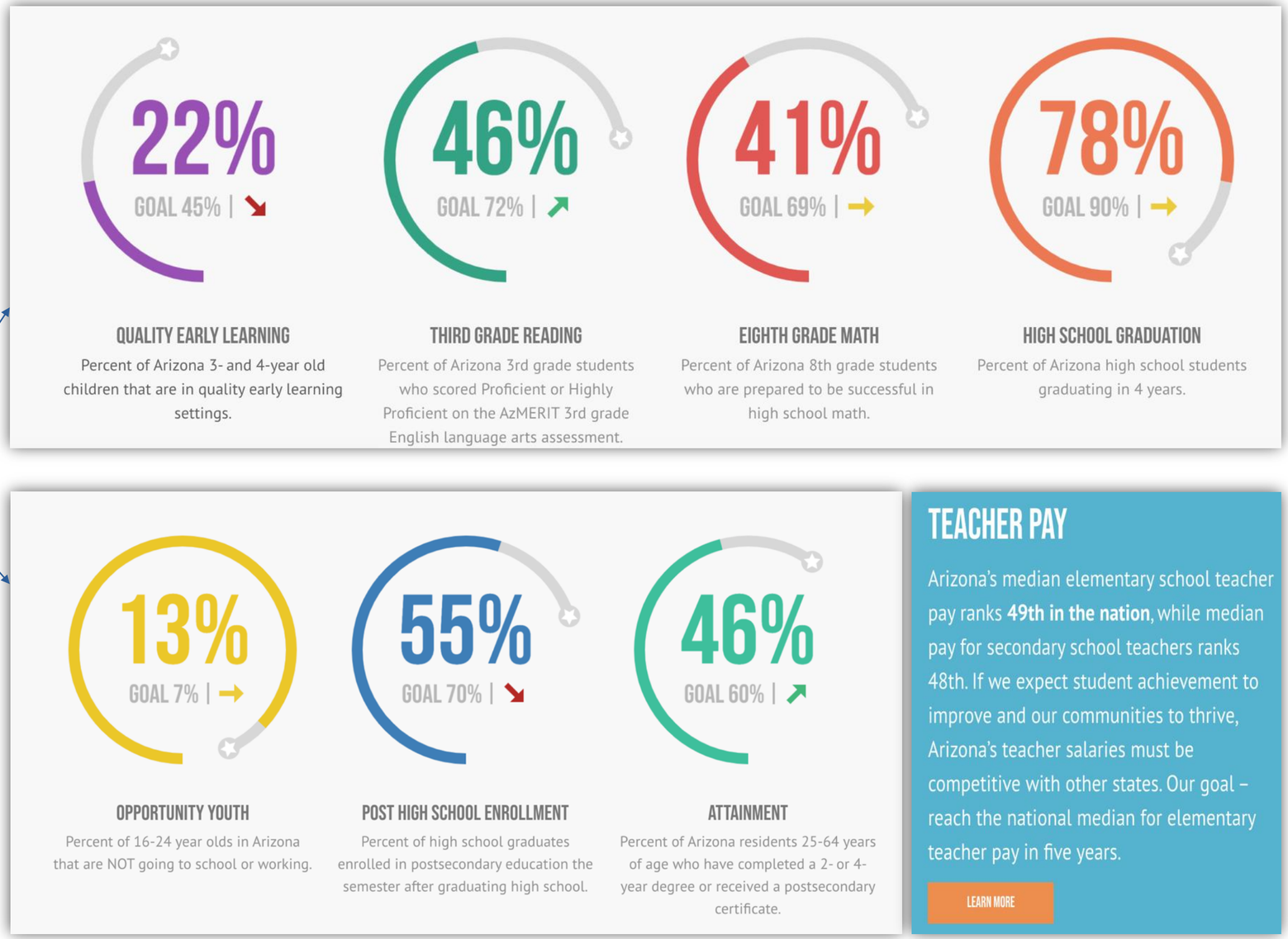
To unite people around a **shared vision** for where we agree we should be as a state, and allow us to **measure progress**, **celebrate successes,** and **take action** together.

To **drive meaningful conversation** about the policies and funding that are needed to reach the state's **attainment goal.**

Audience

1) General public
2) State and local leaders
3) Practitioners

Focuses on eight priority indicators.



Integrates short, engaging videos to describe each metric.

POST HIGH SCHOOL ENROLLMENT

55%

Percent of high school graduates enrolled in postsecondary education the semester after graduating high school.

GOAL BY 2030	ON TRACK TO GOAL	LAST UPDATE	BASELINE VALUE
70%	↘	12/19	52%

WHY POST HIGH SCHOOL ENROLLMENT MATTERS

PROGRESS IS BEING MADE

WAYS TO TAKE ACTION

METHODOLOGY

Far too few Arizona students pursue education or advanced training after graduating from high school.

Arizona currently ranks near the bottom among all states in the percent of high school graduates who continue their education the year after completing high school.

Students who delay enrolling in training or education right after high school do so for a variety of reasons, but those who do delay are at greater risk of never receiving a degree or credential compared to students who enroll immediately after high school graduation.

While a job may certainly be an appealing alternative to paying for more education or training, studies show that not pursuing education or training after high school will cost an individual even more in lost earnings.

Just about any way you look at it – from how much you earn to how much you like your job – individuals with a degree or credential are better off than those without one.

Uses accessible language to make the case for why each metric matters.

WHY POST HIGH SCHOOL ENROLLMENT MATTERS

PROGRESS IS BEING MADE

WAYS TO TAKE ACTION

METHODOLOGY

Includes case studies for how programs and initiatives are making progress across the state.

Through its work with the K-12 system, the **Arizona Board of Regents** is preparing more students to succeed in college and careers. ABOR's College Going Rate Report breaks out information on how many students attended college according to individual Arizona high schools. The report measures the rate at which students graduated from high school and subsequently enrolled in a post-secondary educational institution the following academic year.

Arizona GEAR UP is an innovative college access program with proven success. The numbers tell the story: 73 percent of Gear Up students graduate high school and go onto college – a number that far exceeds the Arizona average. Learn more here.

EXPECT MORE EXCELLENCE TOUR

Great things are happening in education in Arizona and we want people to know about them. Countless students, educators, parents and communities are already working to raise the bar. Check out the following examples.

UNIVERSITY OF ARIZONA STUDENTS MENTORING MIDDLE SCHOOLERS TO BOOST COLLEGE-GOING RATE

Tucson, AZ

University of Arizona has found a way to

Foste
r System-Invc

HUNDREDS OF ARIZONA FOSTER YOUTH GAINING SUPPORT THANKS TO FOSTERED

Phoenix, AZ

For the thousands of foster youth in

WHY POST HIGH SCHOOL ENROLLMENT MATTERS

PROGRESS IS BEING MADE

WAYS TO TAKE ACTION

METHODOLOGY

The Arizona Education Progress Meter goals are ambitious, but possible. There's a role for everyone to play. Below are a few ideas to get started:

Business

- Partner with your local community college to meet your workforce needs
- Focus your charitable giving toward programs or initiatives that advance the Education Progress Meter goals
- Give your employees the flexibility to volunteer in local schools
- Join a school or district's community council
- Host an internship program

Local Governments

- Issue a proclamation in support of the Education Progress Meter and statewide goals
- Review your local data
- Set goals for your community
- Use the Education Progress Meter to focus your education initiatives
- Celebrate success stories in your communities at your city or town council meetings
- Link to the Education Progress Meter from your website

Policymakers

- Evaluate policy using the Education Progress Meter framework. Make policy decisions

Provides concrete action steps various stakeholders can take to move the needle.

Arizona

Strengths

- Focuses on a digestible number of priority metrics
- Integrates videos, visuals, and communications toolkits
- Uses accessible language to appeal to a variety of stakeholders
- Showcases examples of programs and initiatives that are making progress

Limitations

- Doesn’t include a metric for workforce
- Doesn’t enable a deeper dive into the data
- Doesn’t disaggregate by student subgroup
- No localization of the data built into the tool
- No user-driven visualization or filtering of data

Texas

TEXAS 2036

Texas

Partners	TEXAS 2036
Purpose	To enable Texans to **make policy decisions** through accessible data, long-term planning, and statewide engagement. To make Texas the **best place to live and work.**
Audience	1) General public 2) State and local leaders

The Data Lab for education includes four primary reports.

Workforce Outcomes Report

View the dashboard

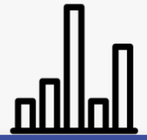
Explore workforce outcomes for students from different counties or schools. Which programs help students achieve a living wage? How does college change the equation?

Higher Education Transition Report

How are college and university students doing on key performance indicators? Are they meeting benchmarks? Are they completing degrees and certificates? Explore data by college or university.

View the dashboard

High School to College Transition Report



View the dashboard

Are high schoolers going to college? Are they suceeding once they get there? Explore how students from individual schools and districts are doing.

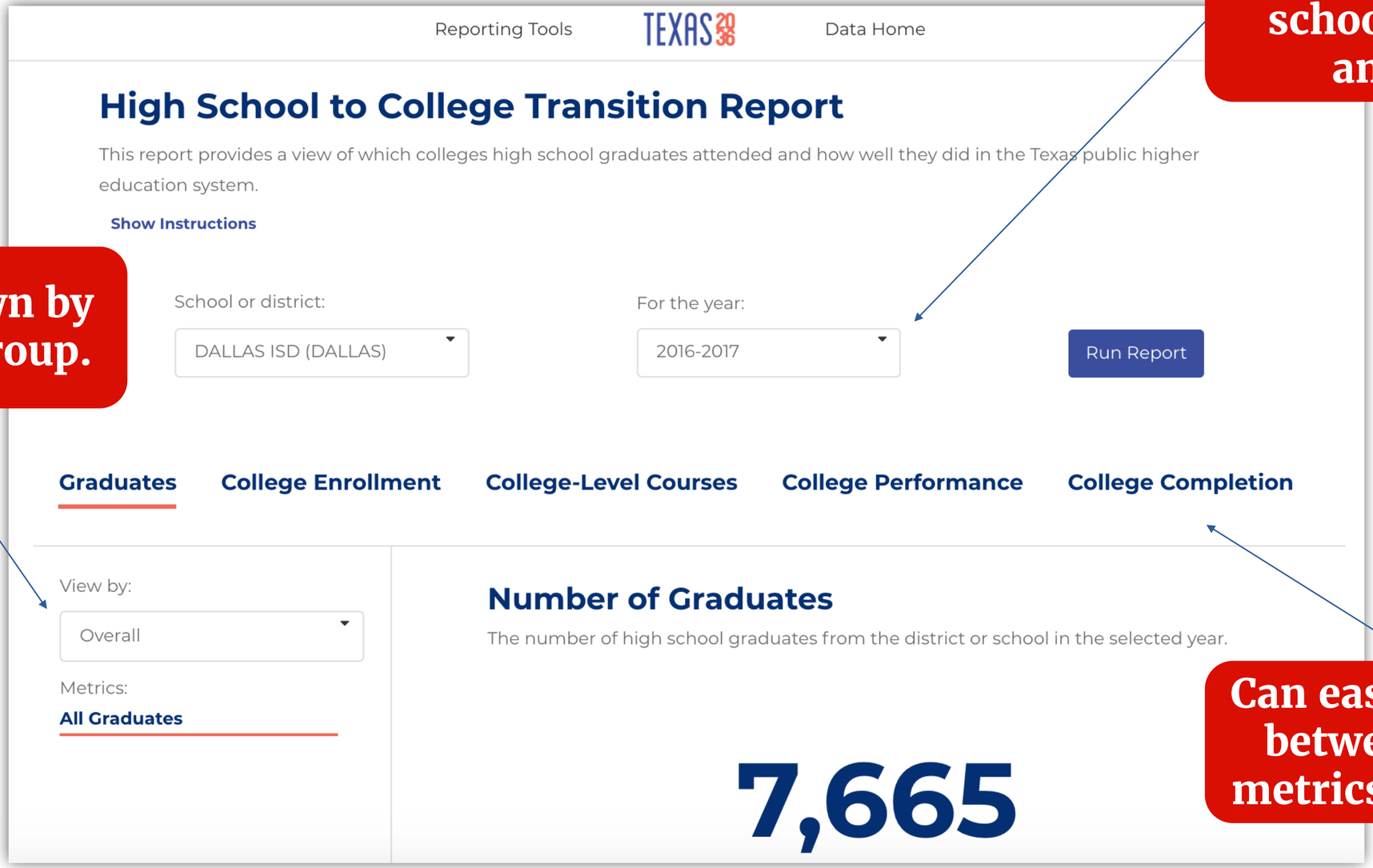
High School to Workforce Pathway Report

Explore student transitions from high school enrollment through college into the workforce. Which paths lead to students earning above the median wage?

Explore pathways

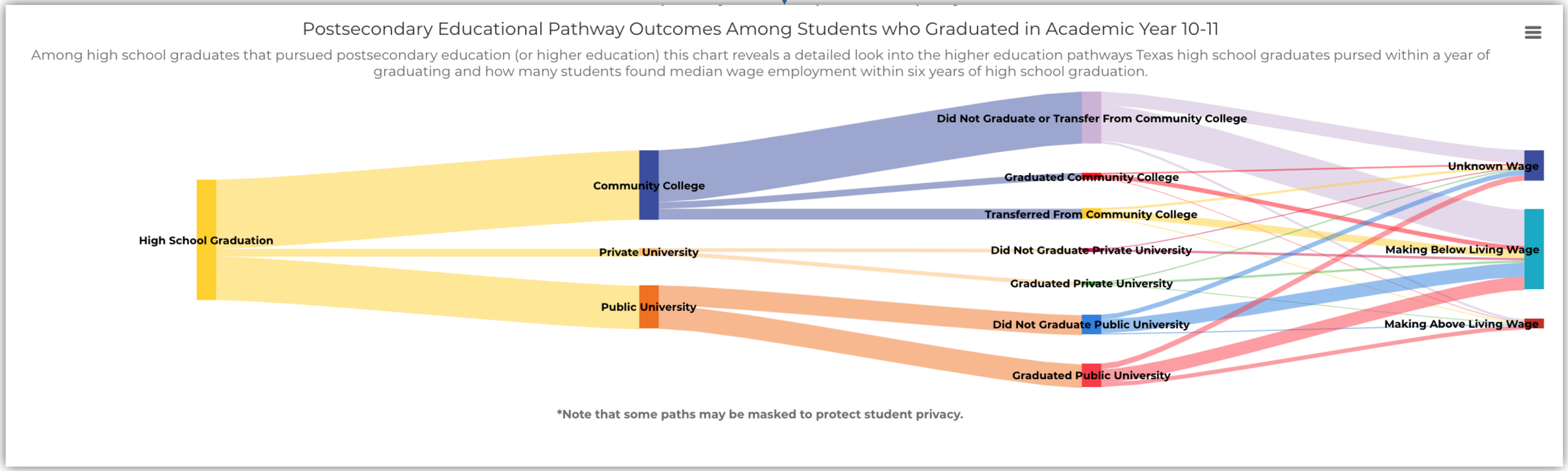
Can filter by school, district, and year.

Can breakdown by student subgroup.



Can easily navigate between related metrics using tabs.

Visualizes pipeline of students and how they progress across systems.



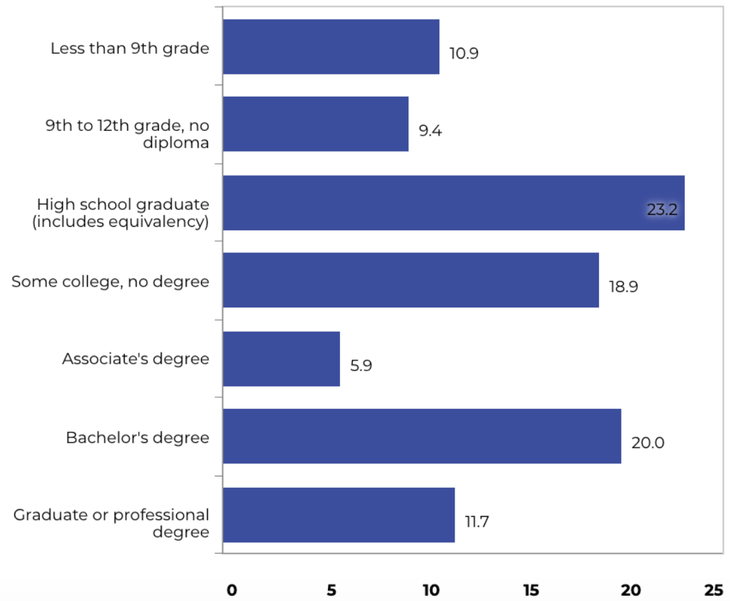
TEXAS 2036

Data | Dashboards | County Profiles | Suggest Data | Get Notified | Log In | Sign Up

Postsecondary: Texas students earn a postsecondary credential to access the jobs of today and tomorrow.

Dallas County: Educational Attainment, 2018

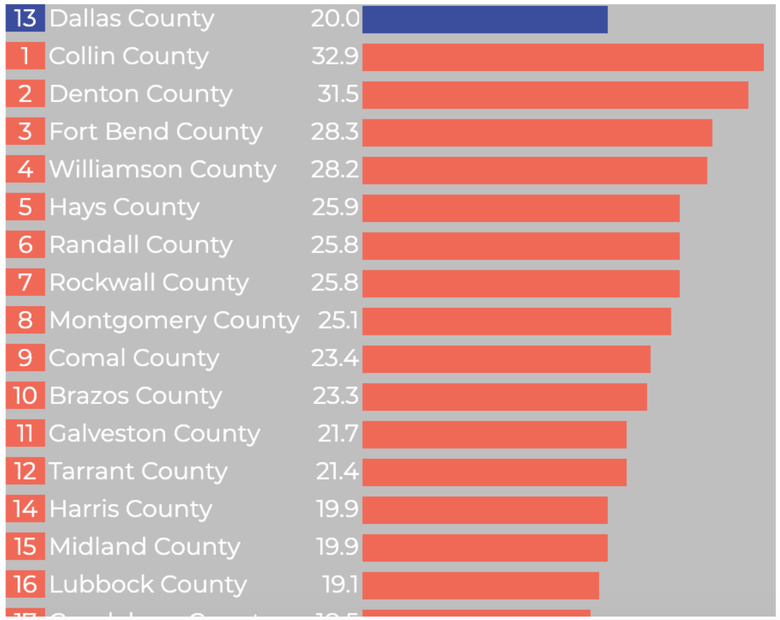
Percent of population 25 years and over



Source: U.S. Census Bureau, United States: Educational Attainment

Population with Bachelor's degree, 2018

Percent of population 25 years and over

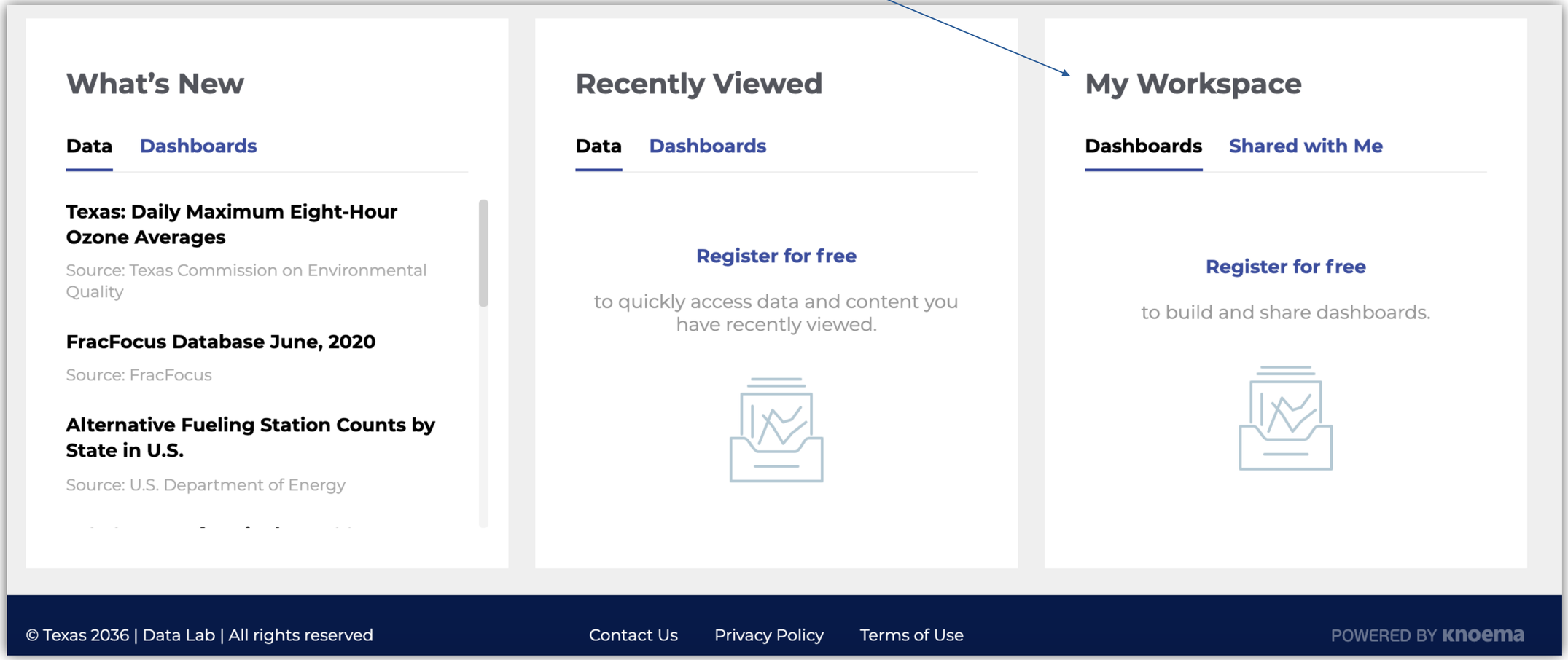


Source: U.S. Census Bureau, United States: Educational Attainment

Can view county profiles that break down data across the education continuum.

ESG

Users can register for an account to save dashboards – or create their own.



Texas

Strengths

- Clean, user-friendly interface makes it accessible to the public
- Can easily search data, as well as save or customize dashboards
- Breaks down data by district, school, and student subgroup to analyze gaps

Limitations

- There is a lot of data to sort through
- Focus on high school to workforce leaves out earlier grades in K-12 sector
- Data isn't always available at school or district level, leaving some reports blank

Kentucky

KYSTATS

Kentucky

Partners

KENTUCKY CENTER FOR STATISTICS
Uniting our data. Informing our Commonwealth.

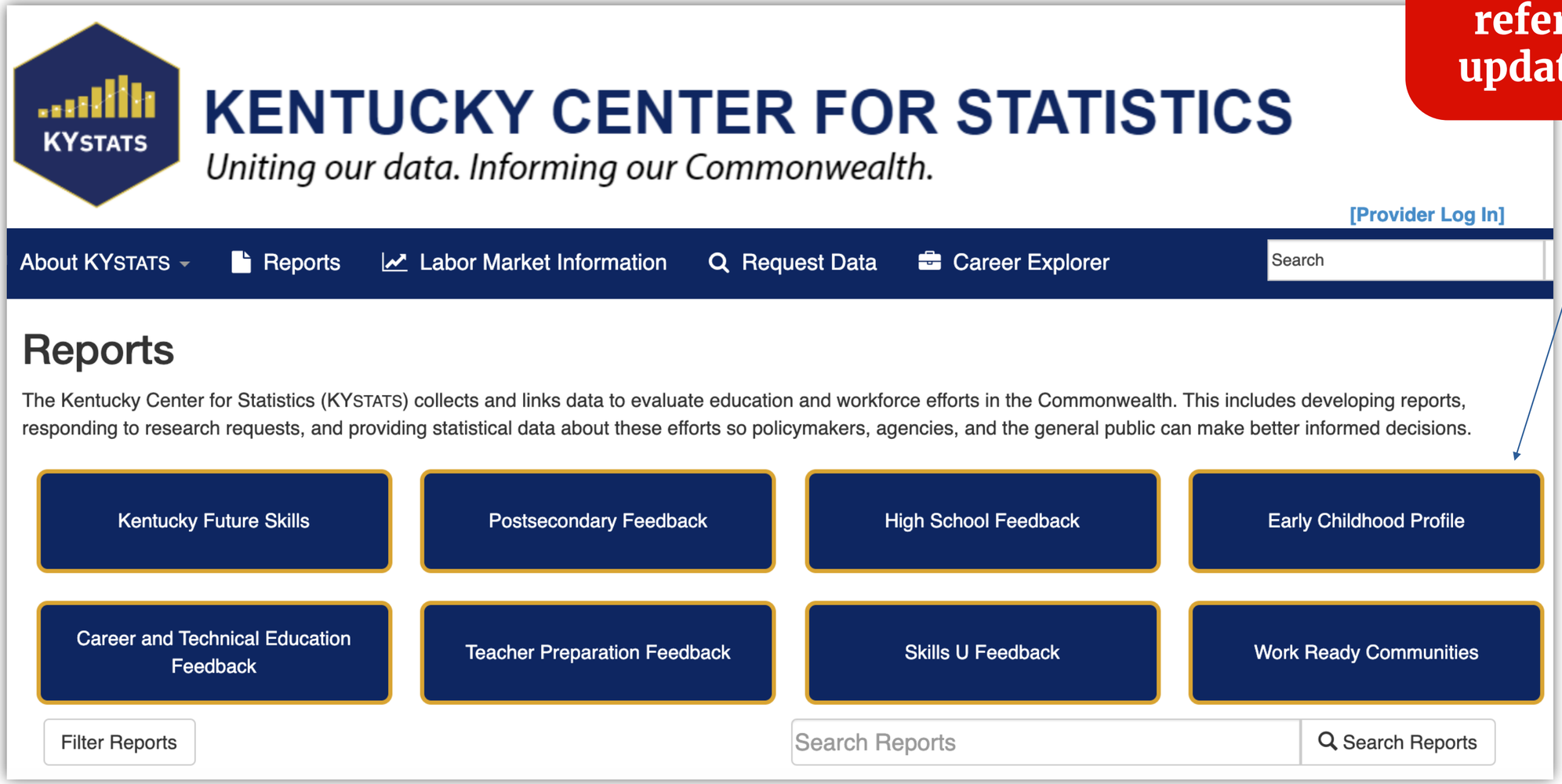
Purpose

To collect and link data to **evaluate education and workforce efforts** in the Commonwealth, including developing reports, responding to research requests, and providing statistical data about these efforts so policymakers, practitioners, and the general public can **make better informed decisions**.

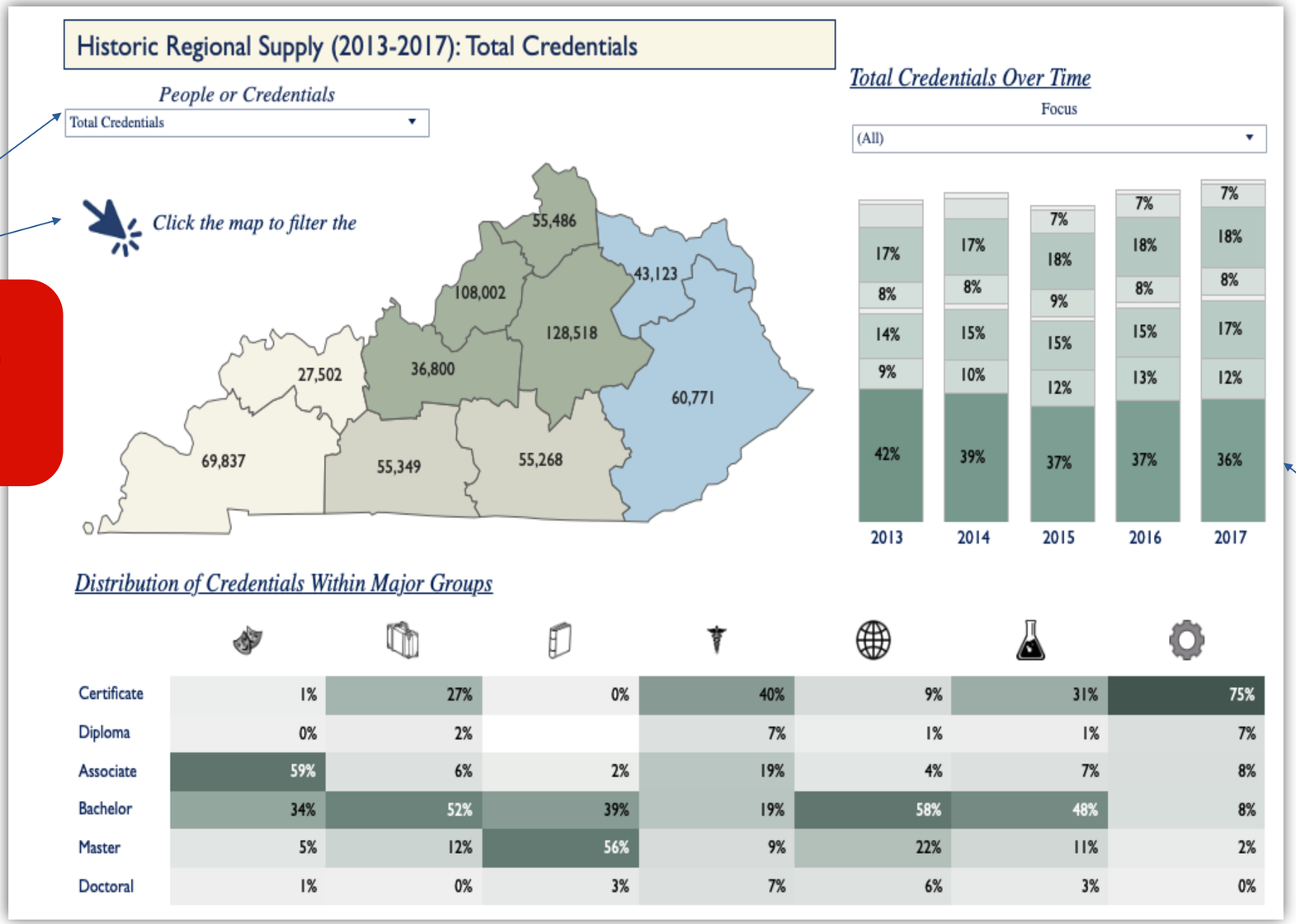
Audience

1) State and local leaders
2) Practitioners
3) General public

Highlights most commonly referenced and updated reports.



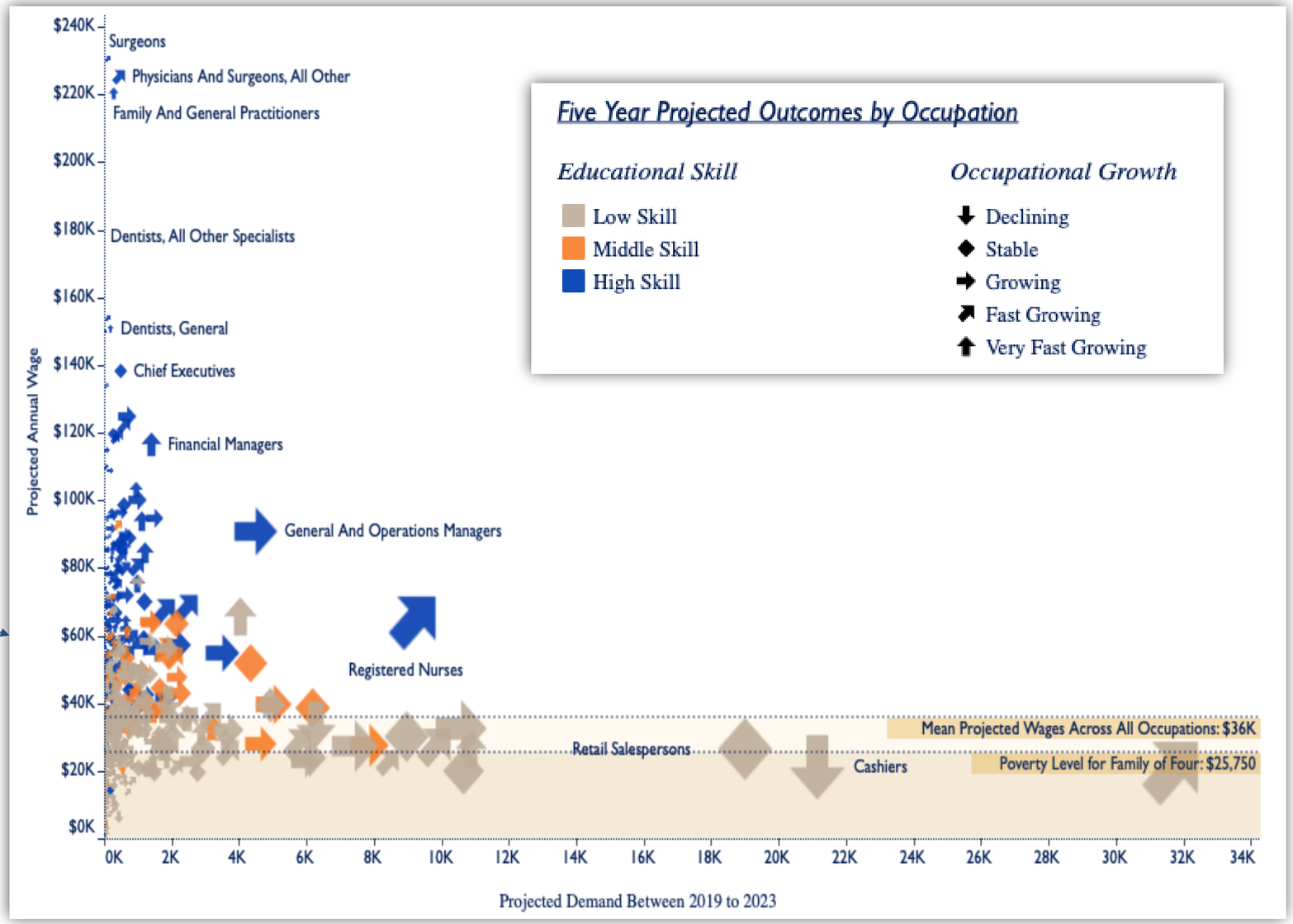
Includes many filter options to drill down into data.



Certificate	1%	27%	0%	40%	9%	31%	75%
Diploma	0%	2%		7%	1%	1%	7%
Associate	59%	6%	2%	19%	4%	7%	8%
Bachelor	34%	52%	39%	19%	58%	48%	8%
Master	5%	12%	56%	9%	22%	11%	2%
Doctoral	1%	0%	3%	7%	6%	3%	0%

Shows trends over time for key metrics.

Have robust, predictive labor market data.



HIGH SCHOOL FEEDBACK REPORT

Kentucky Center for Statistics
KYSTATS.ky.gov

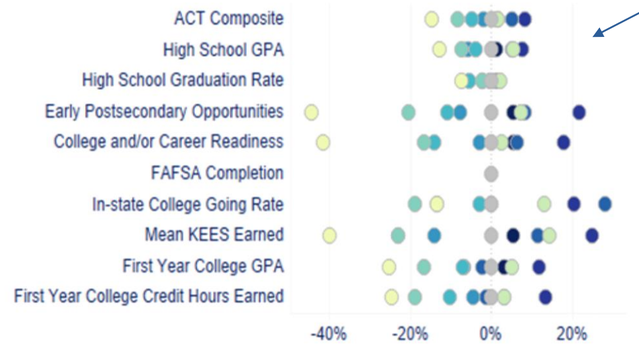
Comparing Gender, Race and Ethnicity, and Free or Reduced Lunch Status

Demographics
- [x] All
- [x] Female and Male
- [x] Free or Reduced Price Lunch
- [x] Race and Ethnicity

Year: 2017
District: State
High School: All

The dot plot shows how each demographic group compares to the total (grey circle). The distance from the District average is shown as a percentage with the actual scores available by hovering over each individual point. By using the demographics filter you can change which set of demographics are shown. You can explore the data for any year, district and high school where the data is available and not subject to redaction.

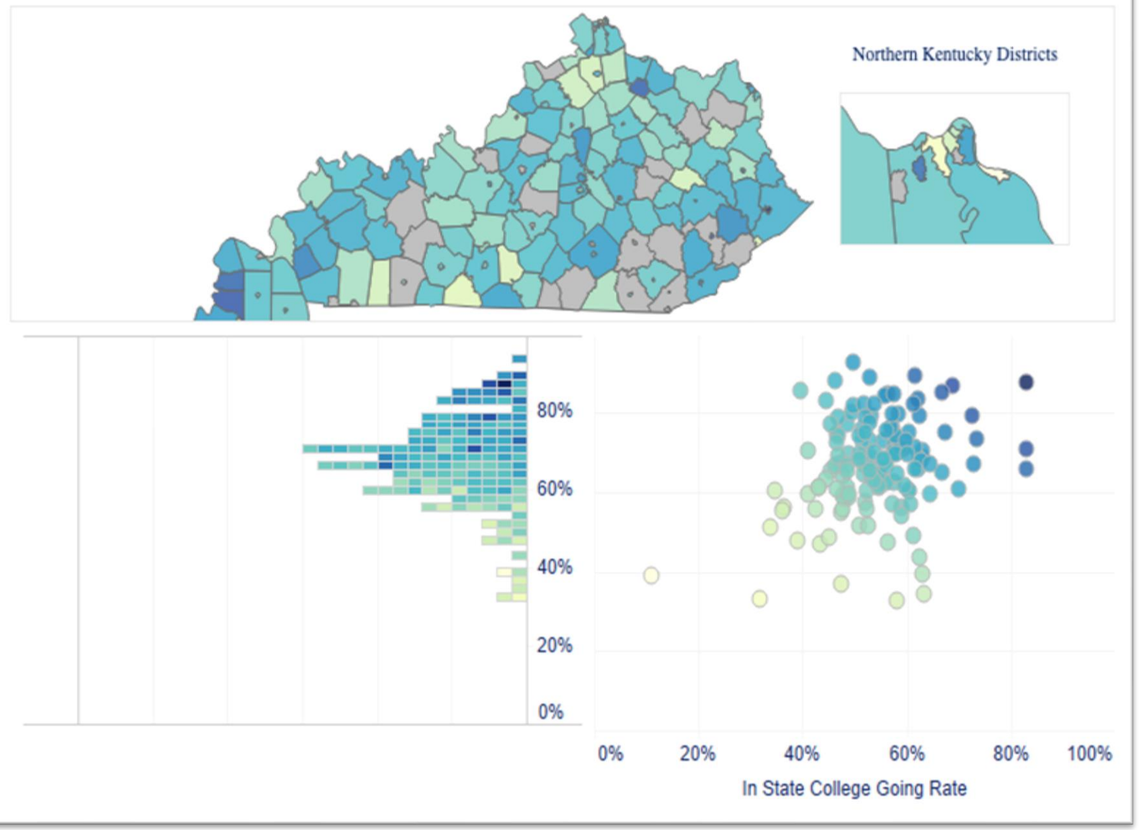
Demographic
- All
- Black, Non-Hispanic
- Female
- Free/Reduced
- Hispanic or Latino, regardless of race
- Male
- Other
- Paid
- White, Non-Hispanic



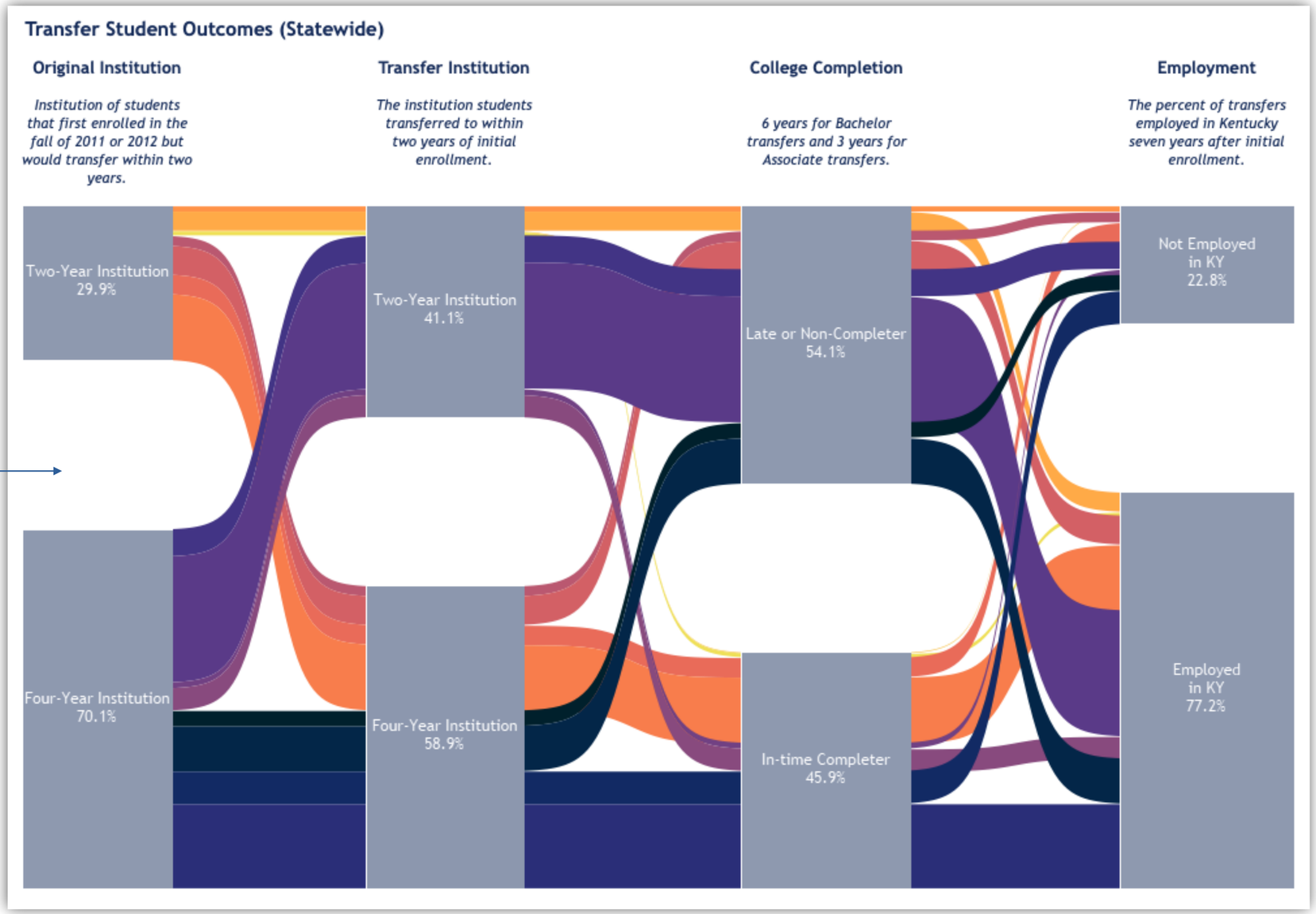
Visualize equity gaps by gender, race, and income.

Show distribution to compare across districts.

The histogram shows the dispersion of the metric you have chosen. Demographics and Year can also be adjusted. The scatter plot on the right show the comparision between the metric you have chosen and the in-state college-going rate of districts.



Visualizes pipeline of students and how they progress through higher education into the workforce.



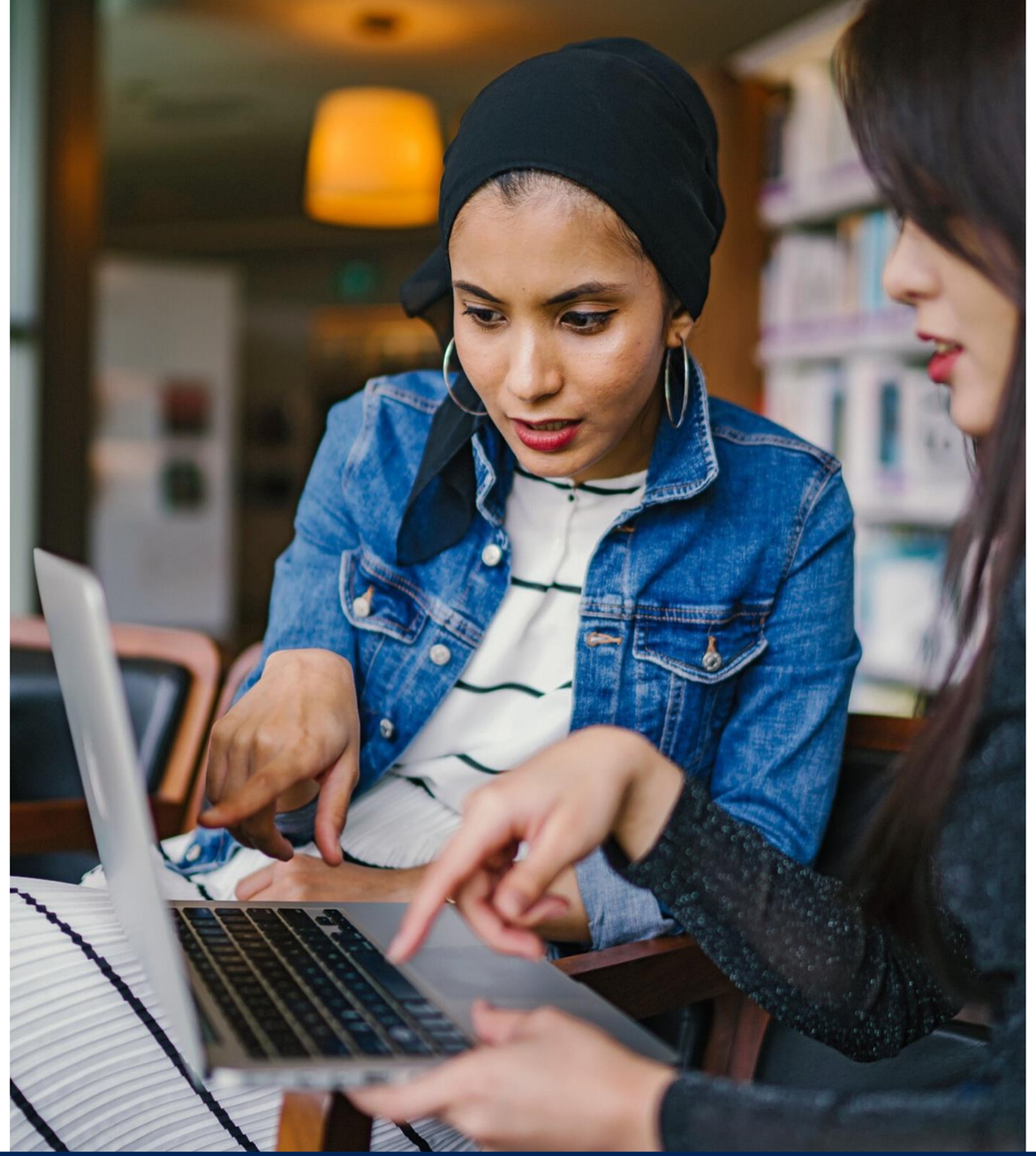
Kentucky

Strengths

- Housed in most well-respected data agency in the state
- Site is very easy to navigate
- Reports are visually-compelling
- A lot of filter options
- Reports are responsive to research questions identified by stakeholders as important

Limitations

- No single overarching report that shows progress at a high-level across the full pipeline of K-12, higher education, and workforce



Discussion

- What elements from the state examples did you like?
- What elements from the state examples did you *not* like?

Minnesota

Looking at MN through a Dashboard

- Identified 14 current dashboards (or websites) that summarize some aspect of statewide data with regard to learners and workforce (PDF handout)
- Types of Dashboards
  - Targeted Data to Inform Decisions
  - Omnibus Reporting

Current Minnesota Dashboards

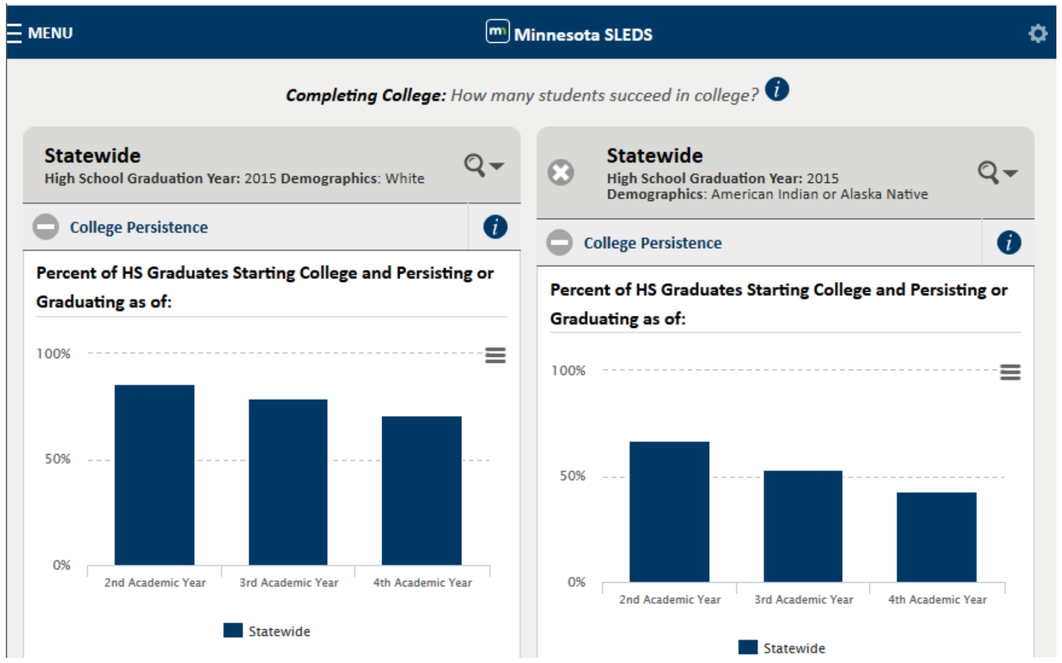
Name	Description	Includes data disaggregation	Website	Audience (based on site content)
Birth to K				
State of Preschool (NIEER)	Monitors and evaluates national and state progress toward early educational excellence; provide info state-funded prekindergarten	No	http://nieer.org/wp-content/uploads/2020/07/Minnesota_YB2019.pdf	policymakers, journalists, researchers, and educators
ECLDS	Answers questions about young children and their development and learning.	Yes	http://eclds.mn.gov	lawmakers, educators, community members, and parents
Parent Aware MN	Data on quality child care and early education programs.	No	https://www.parentaware.org/#/	parents
State of Babies Yearbook (Zero to Three)	A snapshot of how infants, toddlers, and their families are faring in each of three policy domains: Good Health, Strong Families, and Positive Early Learning Experiences.	Yes	https://stateofbabies.org/	policymakers and advocates
Minnesota Compass: Risk, Reach, and Resilience	Provides county-level data on 12 economic, family stability, and health measures of potential risks to the well-being of young children.	No	https://www.mncompass.org/early-childhood/risk-and-reach/overview	early childhood stakeholders
K-12 Experience				
Generation Next	Six key benchmarks to plot critical points along a student's journey, from kindergarten to early career.	Yes	https://gennextmsp.org/data/	the Generation Next Leadership Council, staff, and networks

Targeted Data to Inform Decisions

Cross-System Data for Improvement

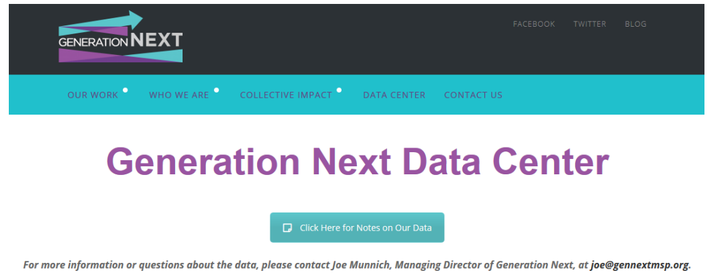
- ECLDS (Birth–to–Grade 3)
- SLEDS (HS Grad-to-College/Work)
- Graduate Employment Outcomes (College-to-Work)

Designed to align with MDE/OHE/DEED agency dashboards/reporting



Data for a Targeted Initiative

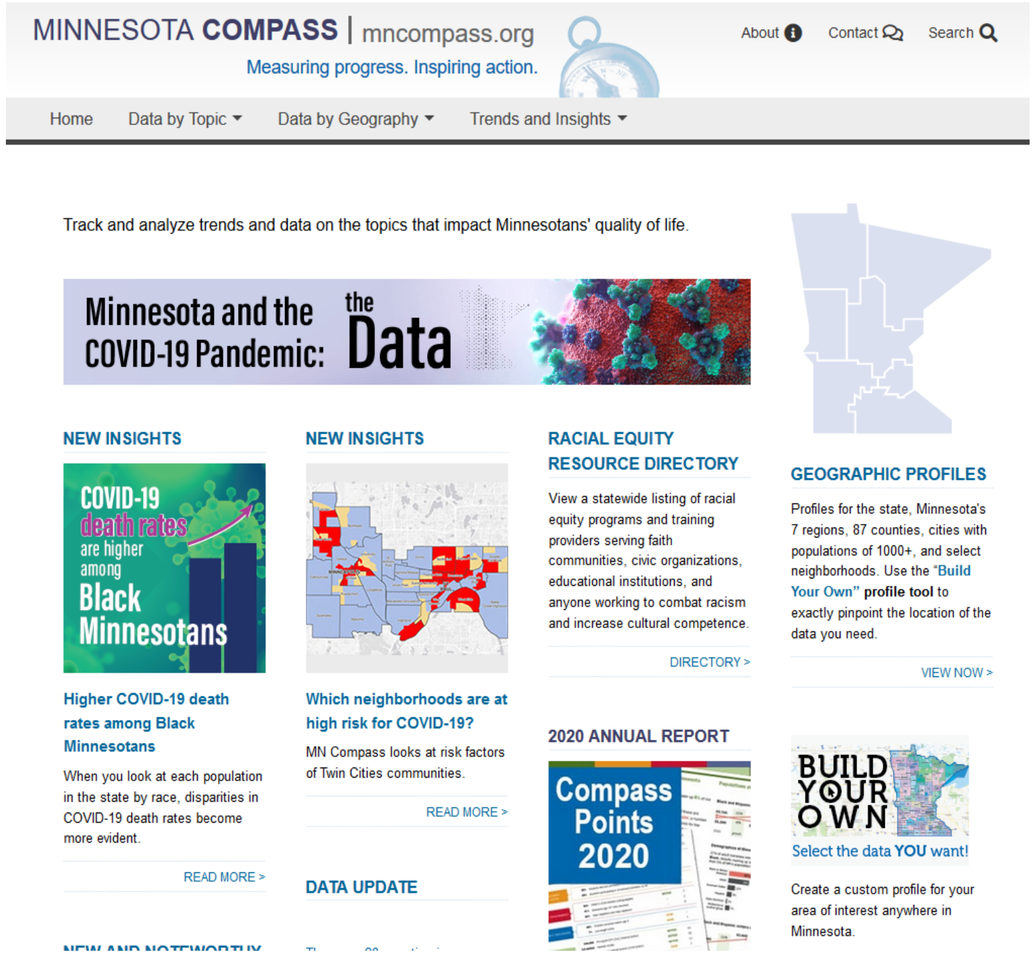
– Generation Next Data Center



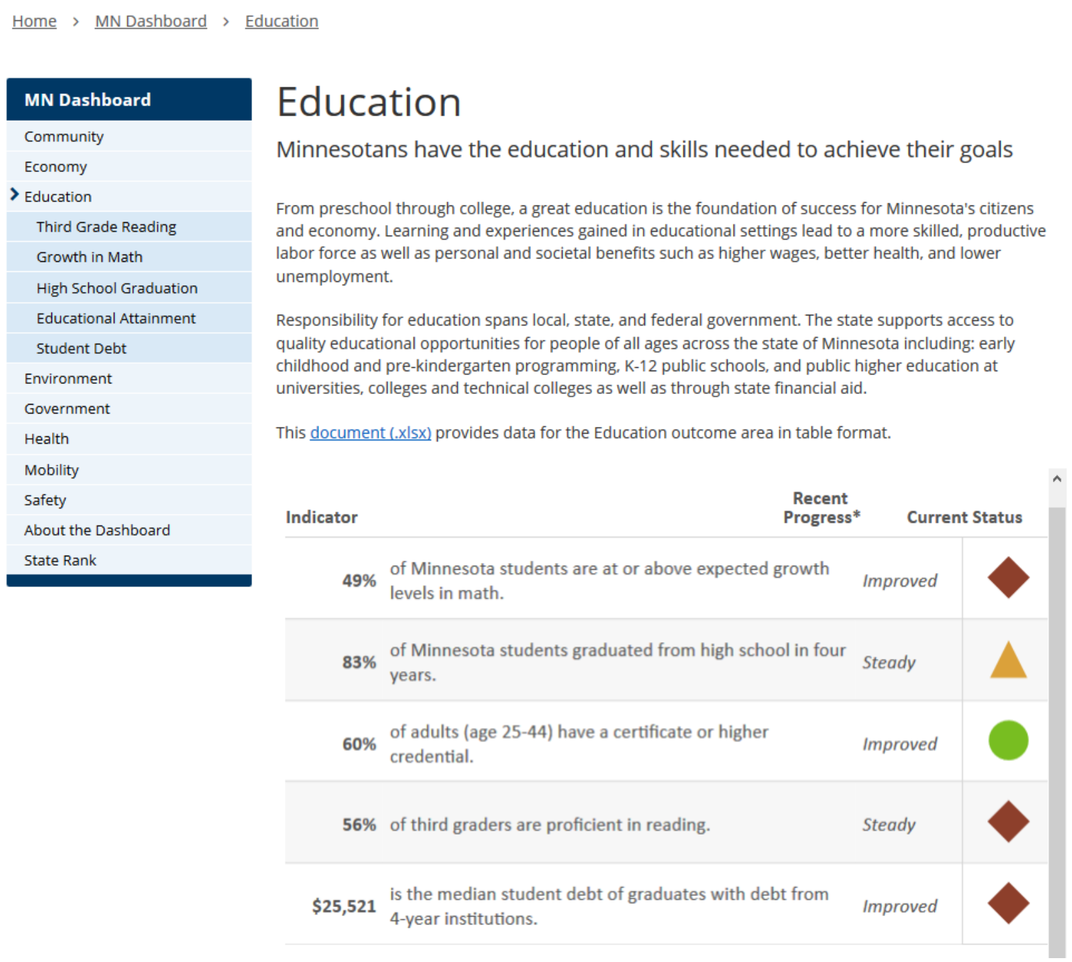
MINNESOTA P-20 EDUCATION PARTNERSHIP

Omnibus Reporting

- MN Compass



- Minnesota Dashboard (no longer updated)



Next Steps for This Effort

- **Who** is the audience?
- **What** are we trying to achieve by reporting?
- **How** would this be different from what already exists?
- What is the **desired goal** or use of this dashboard or website?