

FIFTH EDITION

THE ECONOMICS OF



GEORGIA PARTNERSHIP
FOR EXCELLENCE IN EDUCATION

Education and Workforce Pipeline

Georgia Family Connection Conference 2018

October 5, 2018

1. Examine the Data for Education in Georgia
2. Economic Impact of Georgia Non-Graduates
3. Strengthening the Birth to Work Pipeline
4. What Can We Do?



Examine the Data for Education in Georgia

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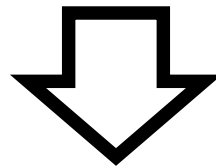
Academic Achievement Milestones

School Readiness

Literacy by 3rd Grade

Numeracy by 8th Grade

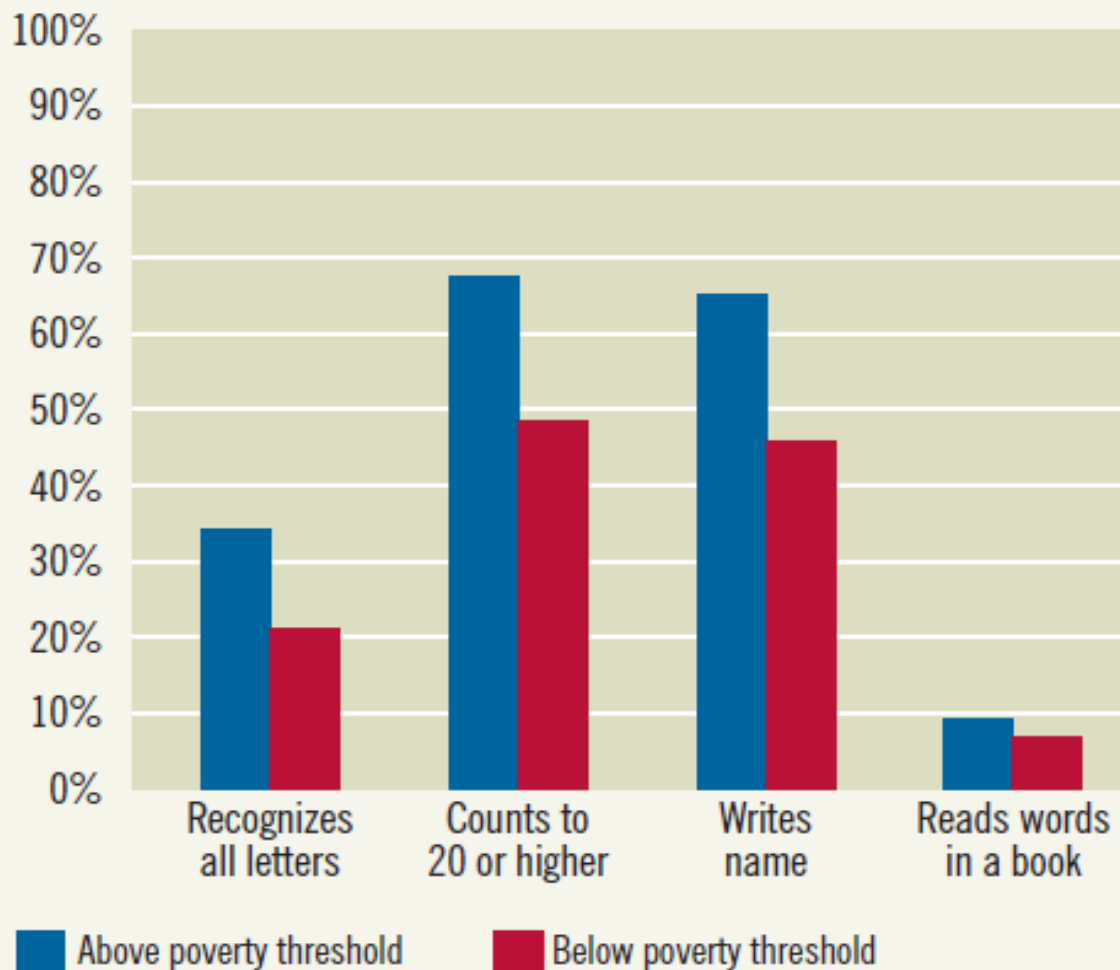
High School Graduation



Workforce and/or College Ready

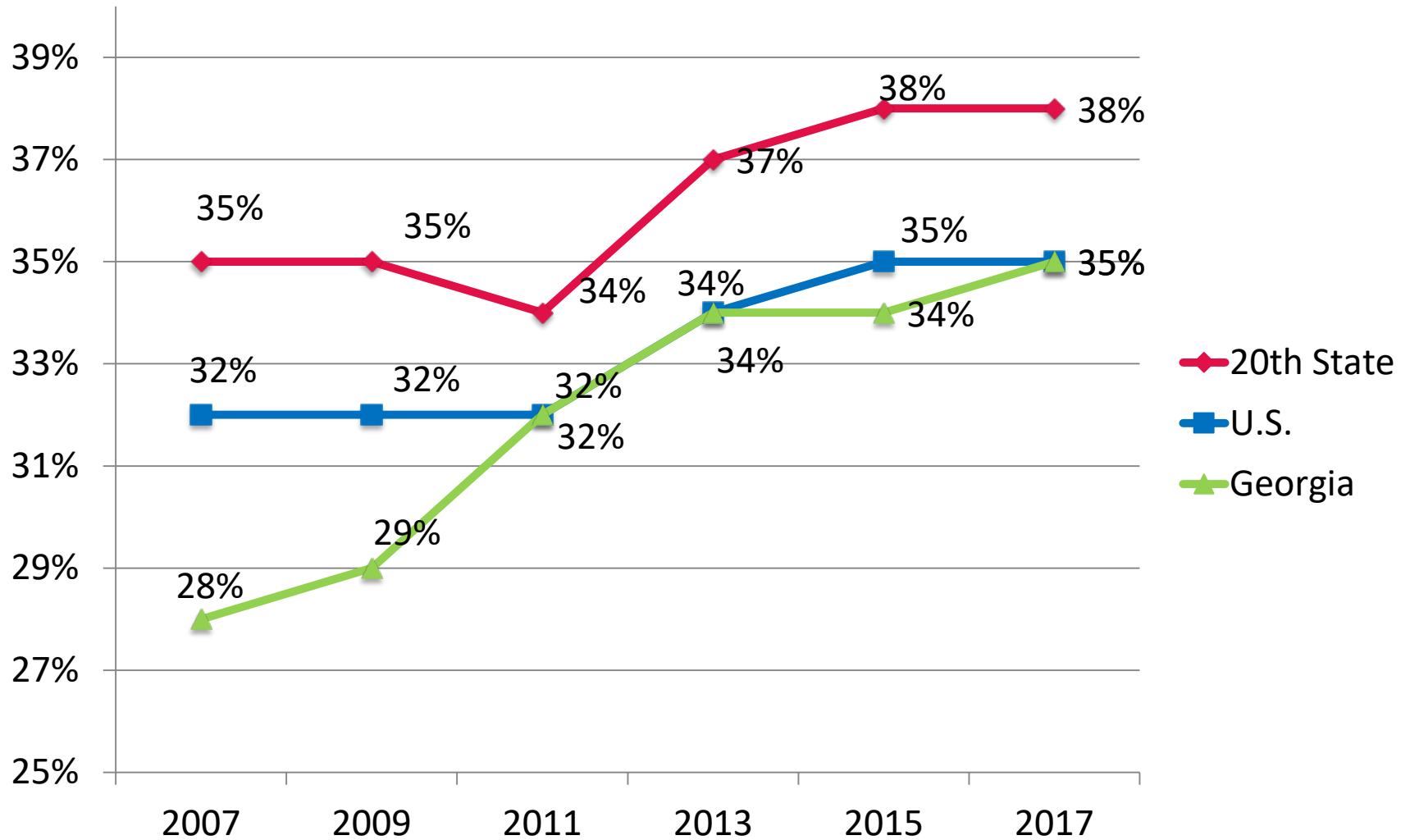
School Readiness

Percent of Children with School Readiness Skills



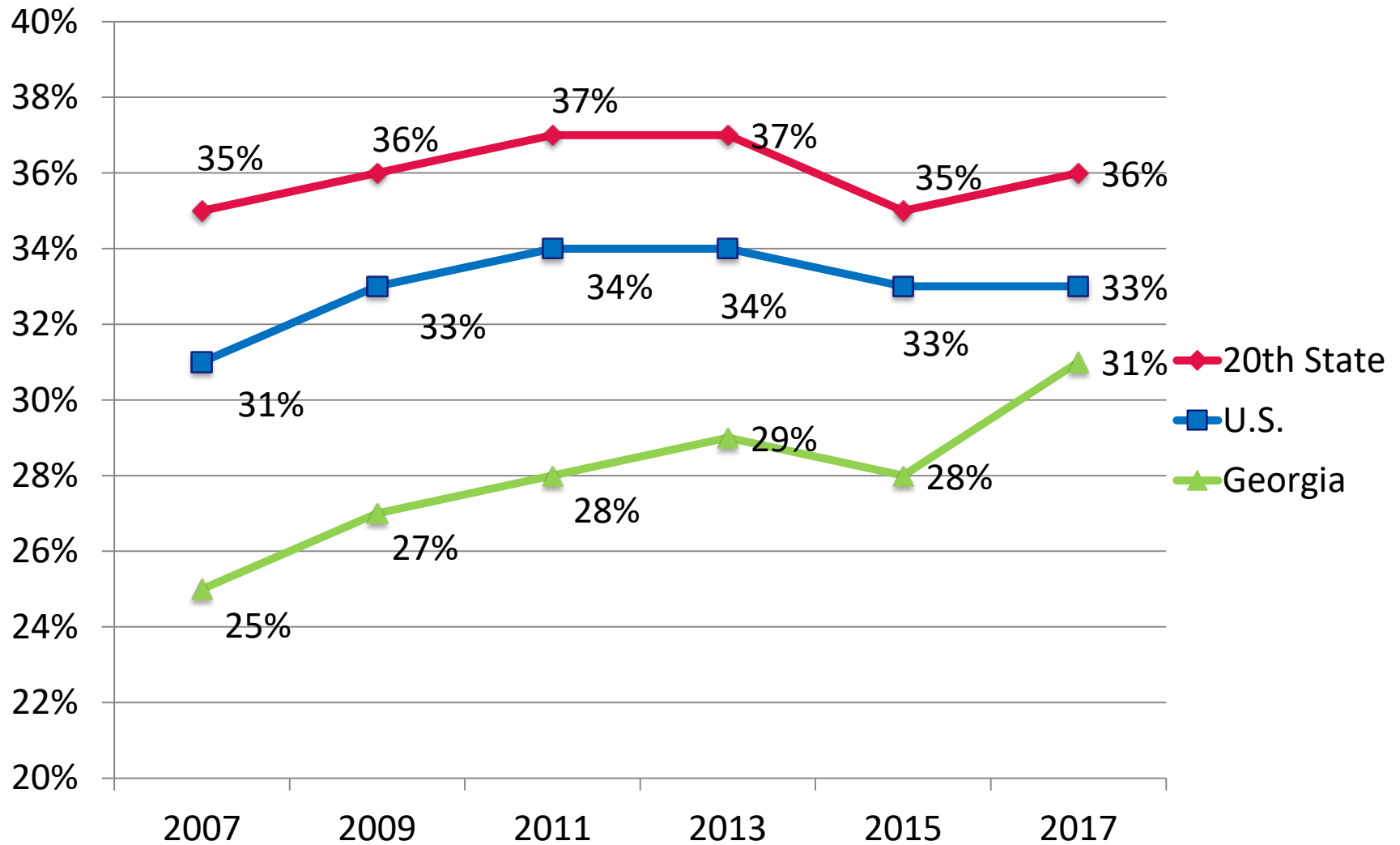
Source: O'Donnell, K. "Parents' Reports of the School Readiness of Young Children from the National Household Education Surveys Program. Table 2." National Center for Education Statistics. 2008. Retrieved from www.childtrendsdatabank.org

NAEP 4th Grade Reading Percent At or Above Proficient



NAEP 8th Grade Math

Percent At or Above Proficient

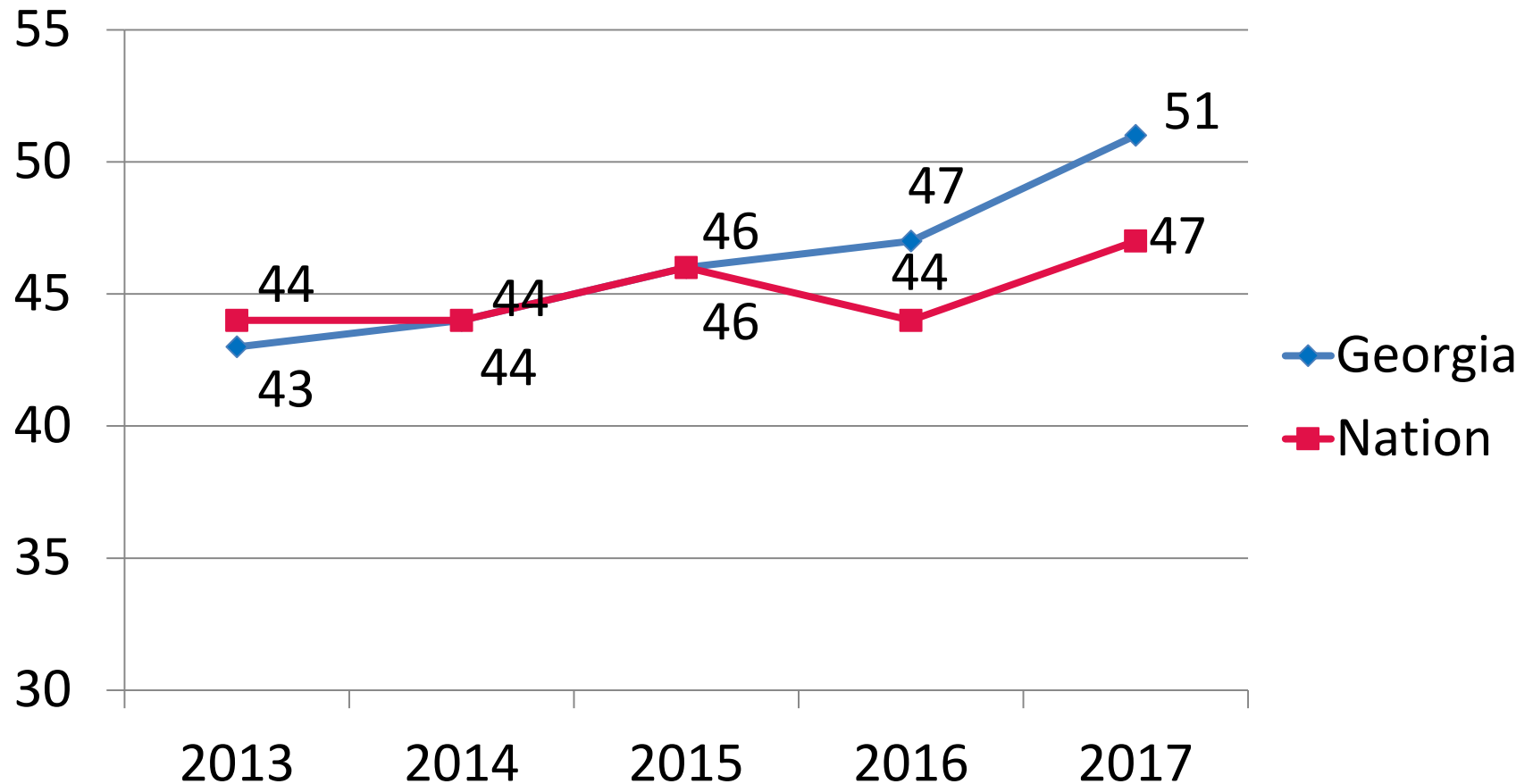


Georgia High School Graduation Rates

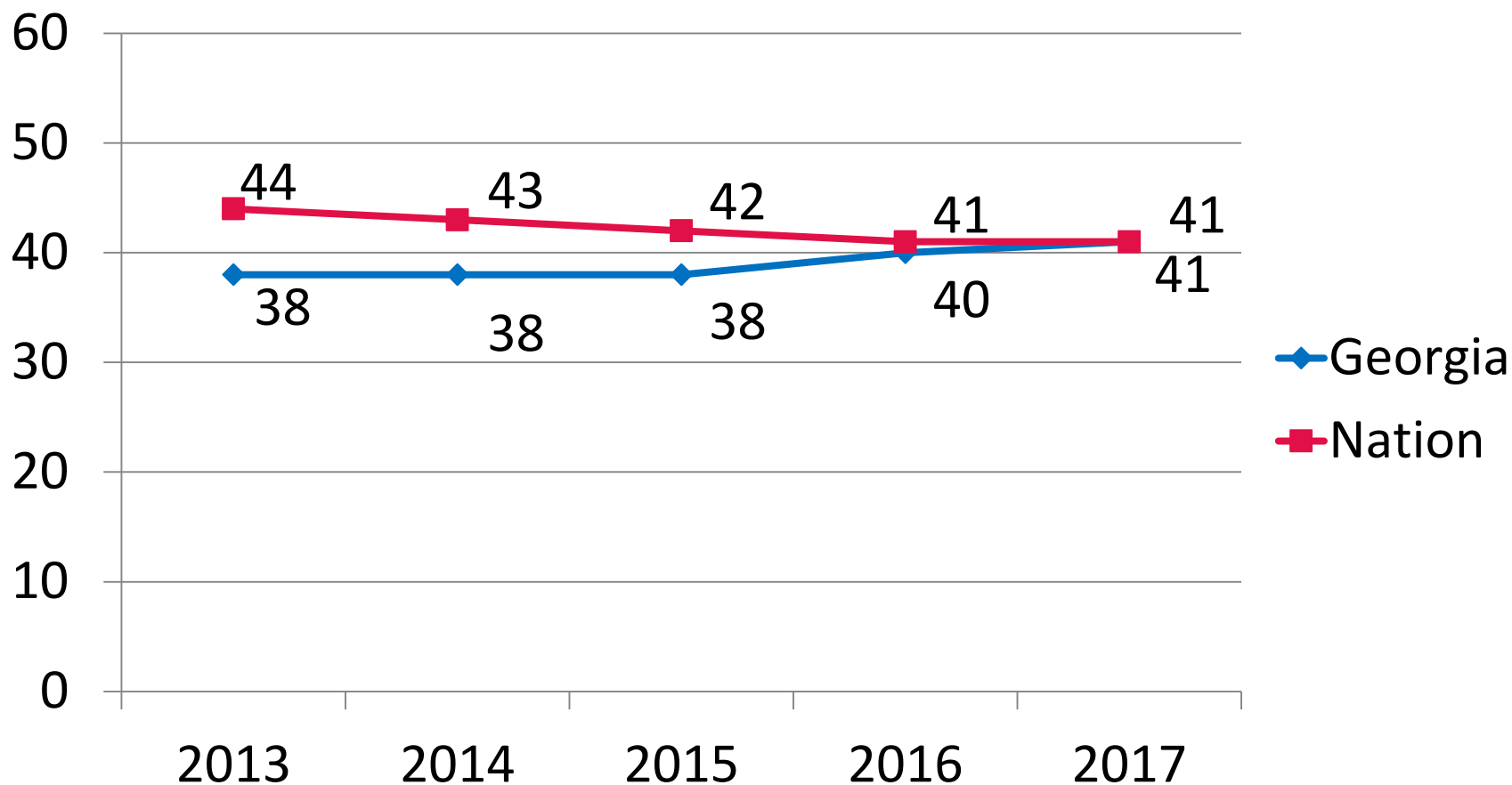
Year	High School Graduation Rate State Average
2014	73%
2015	79%
2016	79%
2017	81%
2018	82%

Source: Governor's Office of Student Achievement (2014-17), Georgia Department of Education (2018)

Percent of ACT Tested High School Graduates Meeting College Readiness Benchmarks - Reading



Percent of ACT Tested High School Graduates Meeting College Readiness Benchmarks - Math



Economic Impact of Georgia Non-Graduates

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Education Pays

EDUCATIONAL ATTAINMENT & EMPLOYMENT

Unemployment % Rate*	July 2018	Approx. Annual Earnings**
2.2%	Bachelor's Degree & Higher	\$66,456
3.2%	Some college/ Associate Degree	\$41,600
4.0%	HS Graduates, No College	\$37,128
5.1%	Less than a High School Diploma	\$27,612

Source: *U.S. Bureau of Labor Statistics Table A-4. Employment status of the civilian population 25 years and over by educational attainment.

**U.S. Bureau of Labor Statistics Table 5. Quartiles of usual weekly earnings of full-time wage and salary workers, approximation based on median earnings.

Compounded Impacts of High School Non-Completion

INDIVIDUALS

THE COMMUNITY

Lower Lifetime Earnings



Reduced buying power & tax revenues; less economic growth

Decreased health status; Higher mortality rates; More criminal activity



Higher health care & criminal justice costs

Higher teen pregnancy rates; Single motherhood



Higher public services costs

Less voting; Less volunteering



Low rate of community involvement

Economic Impacts – The Graduation Effect

If Georgia's Graduation Rate increased to **90%**



\$160 million in additional income

Within 10 years – a new graduate who completes at least an associate's degree will earn, on average, **\$15,600** more a year than a hs dropout.



\$10.5 million in state and local tax revenue



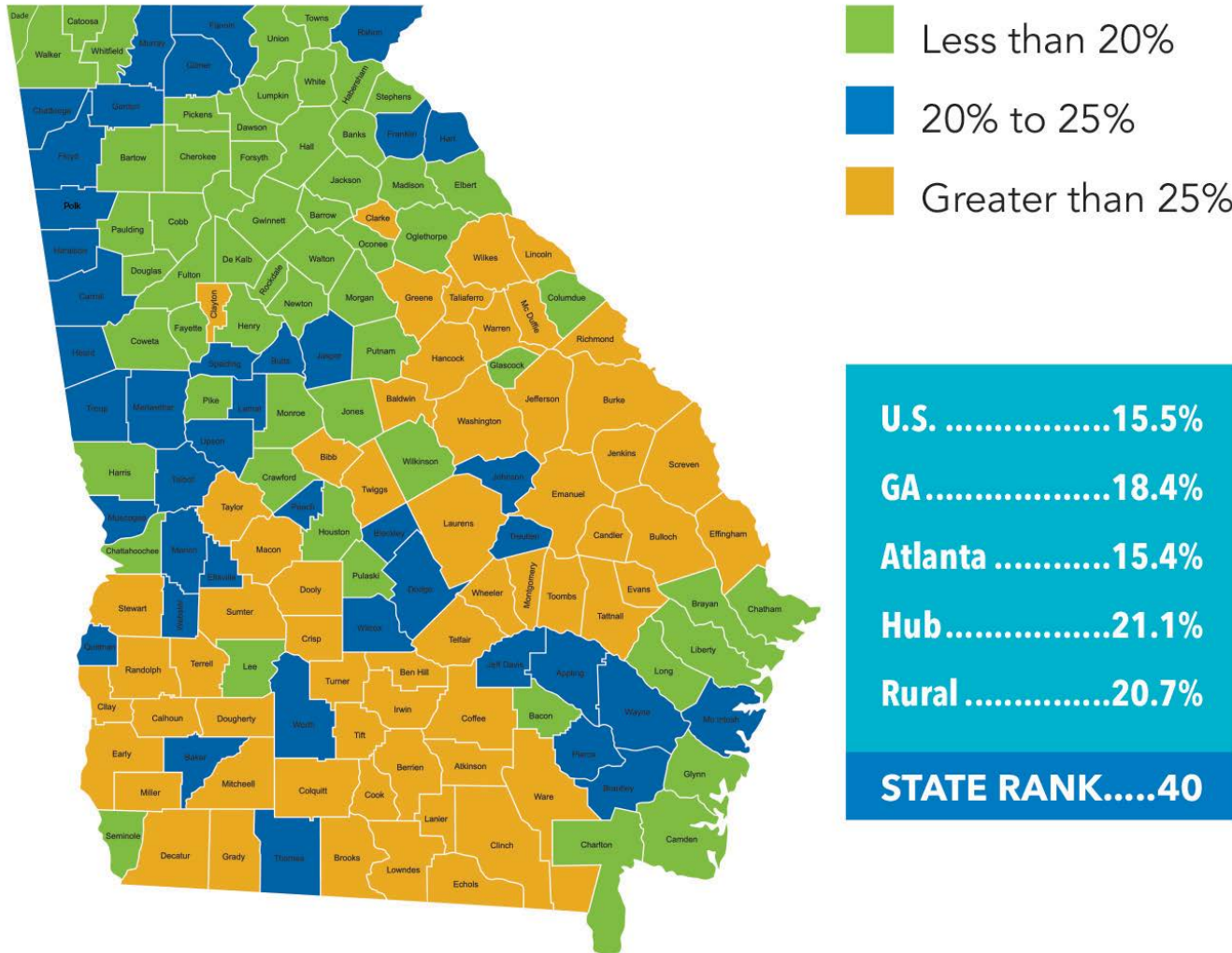
\$600 million on health-care cost savings

Percent with public health insurance or no health insurance in 2015:
71% hs dropout
45% hs graduate

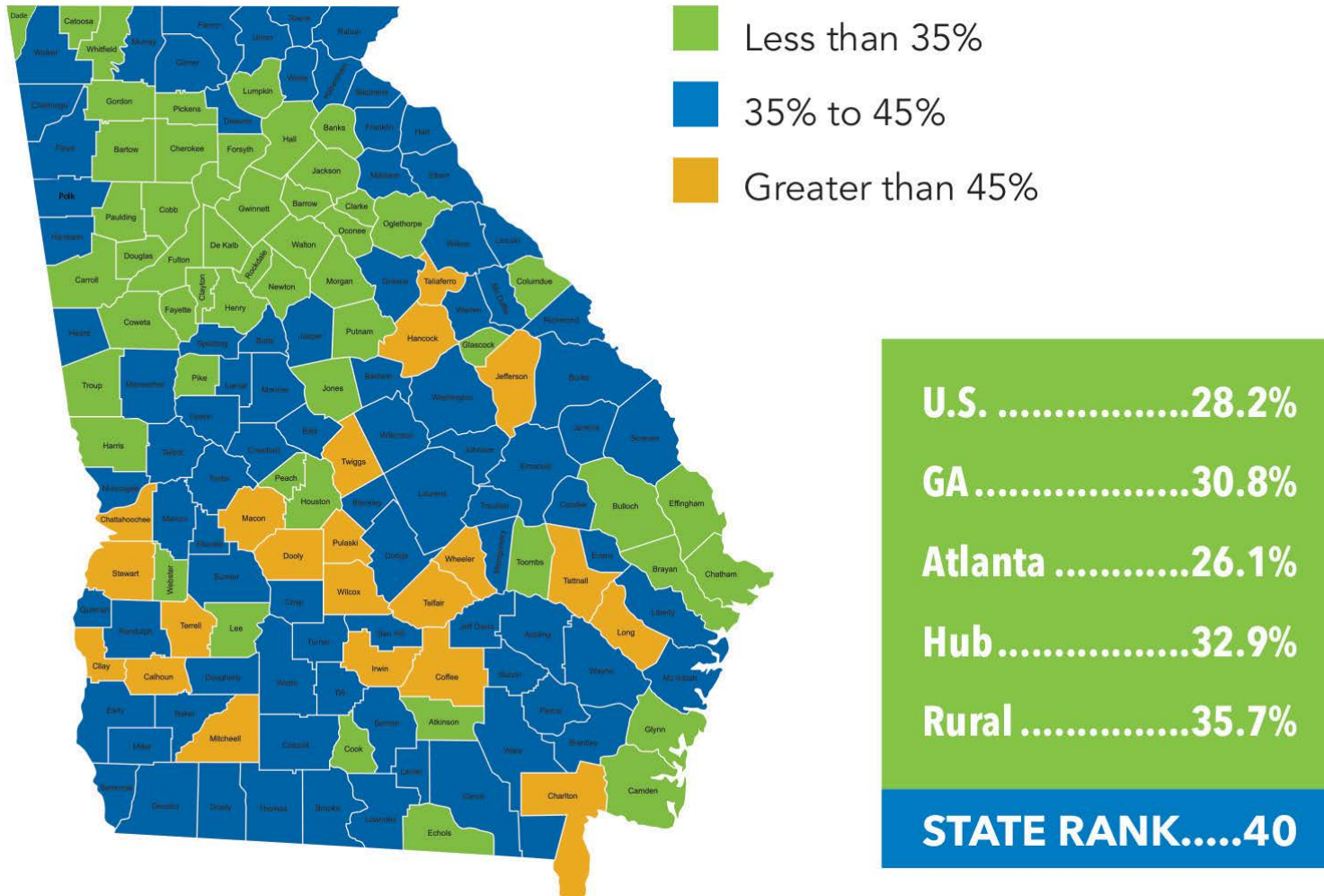


\$260 million in home sales

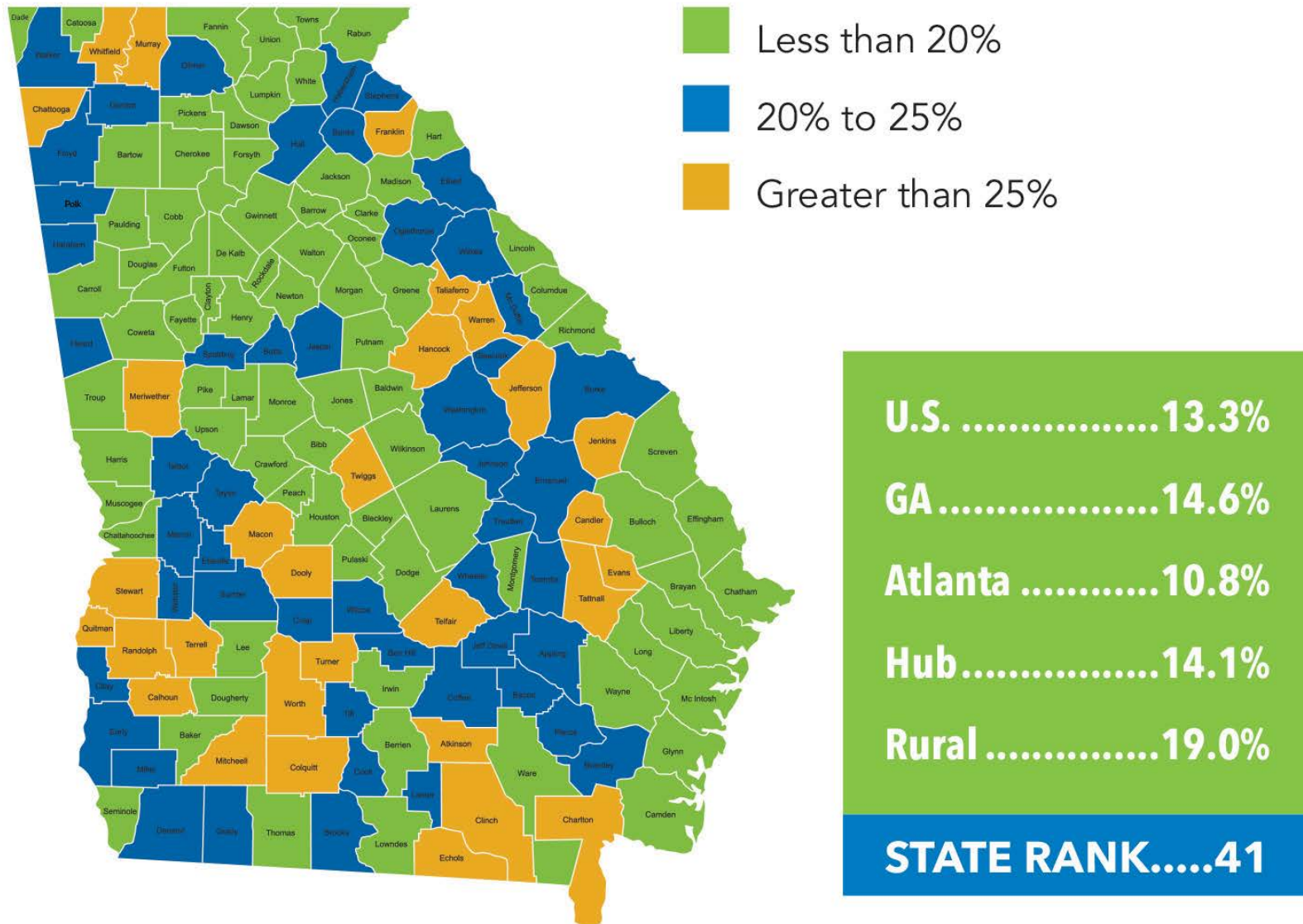
Barriers to Economic Growth: Poverty Rates



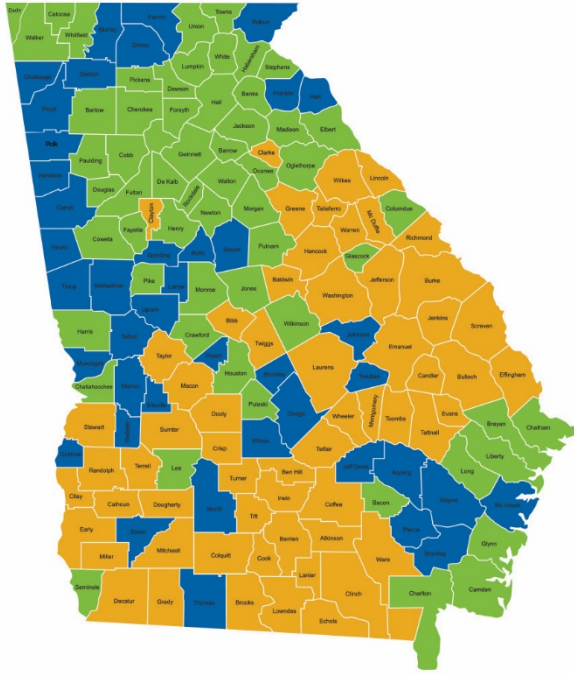
Barriers to Economic Growth: Adults Not Working, Ages 25-64



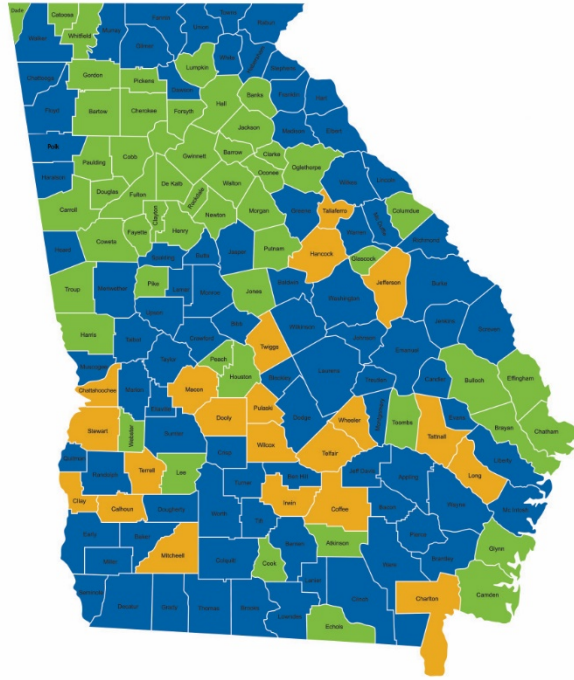
Barriers to Economic Growth: Adults Without A High School Diploma



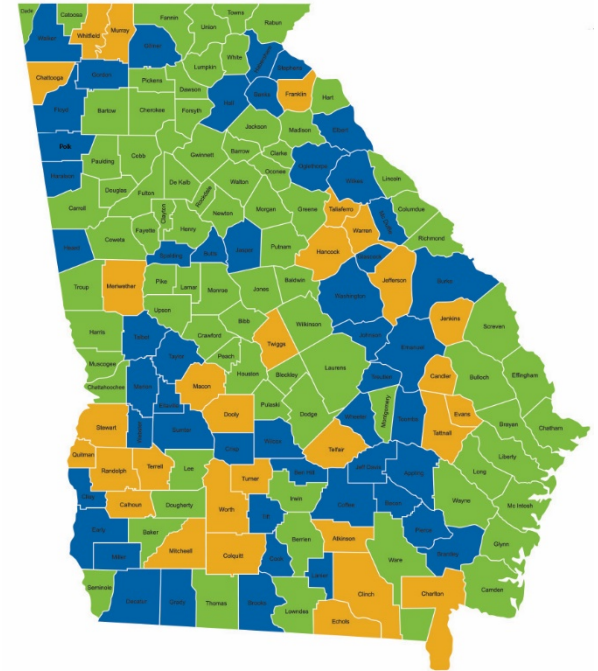
Barriers to Economic Growth



Poverty



Adults Not Working



No HS Diploma

Strengthening the Birth to Work Pipeline

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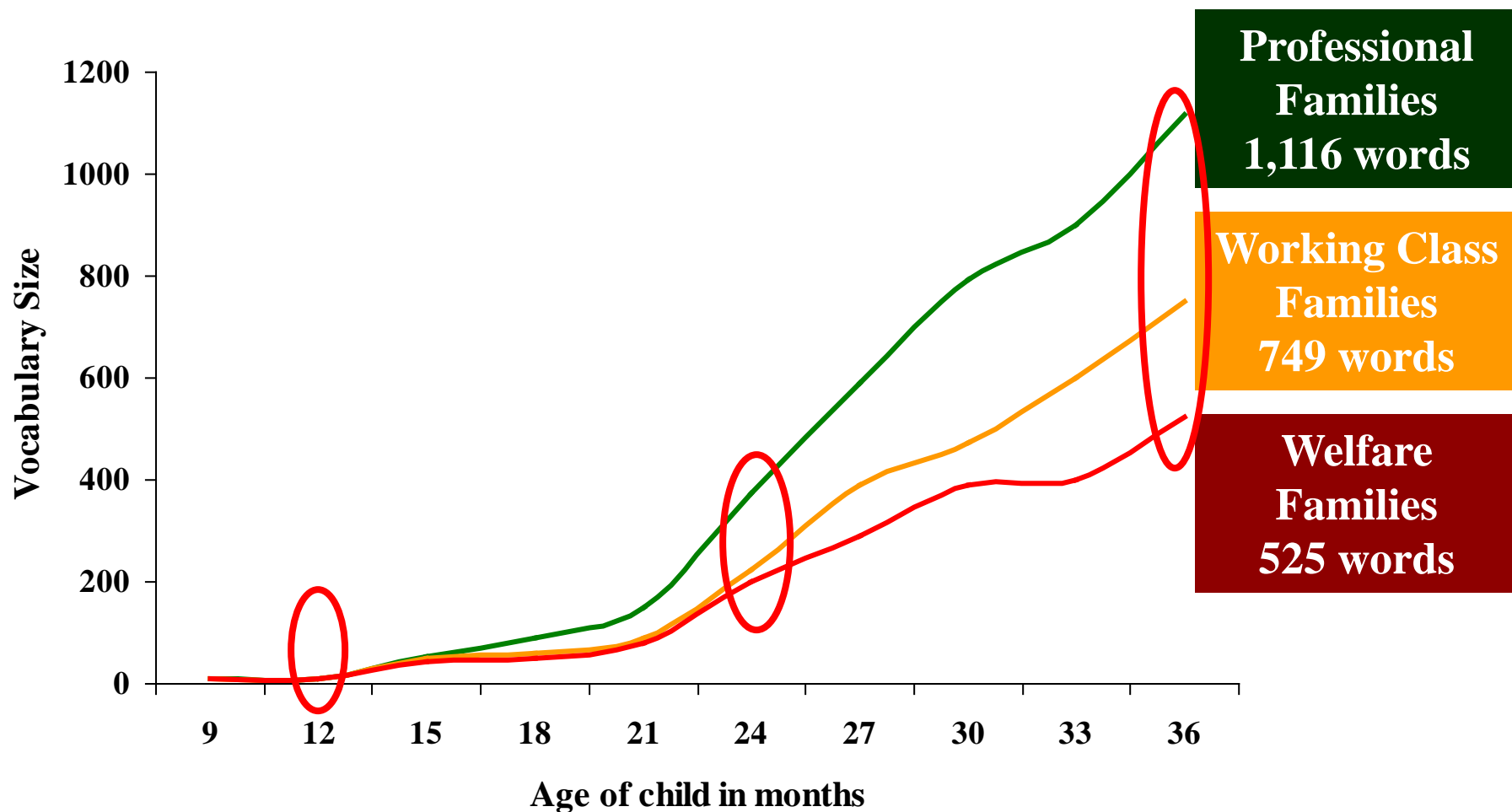


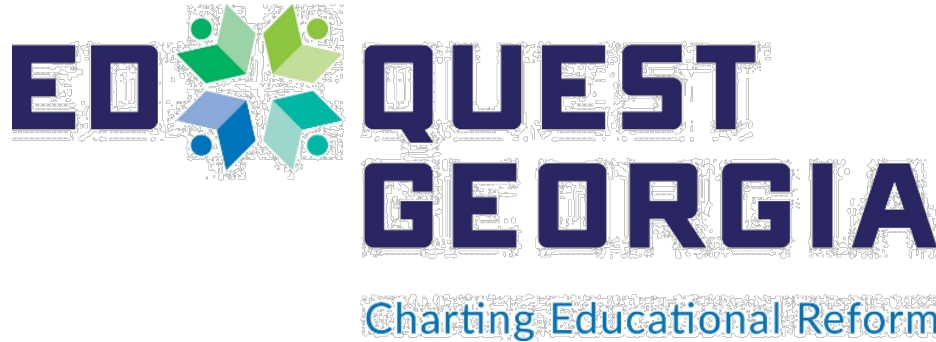
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Strengthening the Birth to Work Pipeline



Disparities in Early Vocabulary Growth



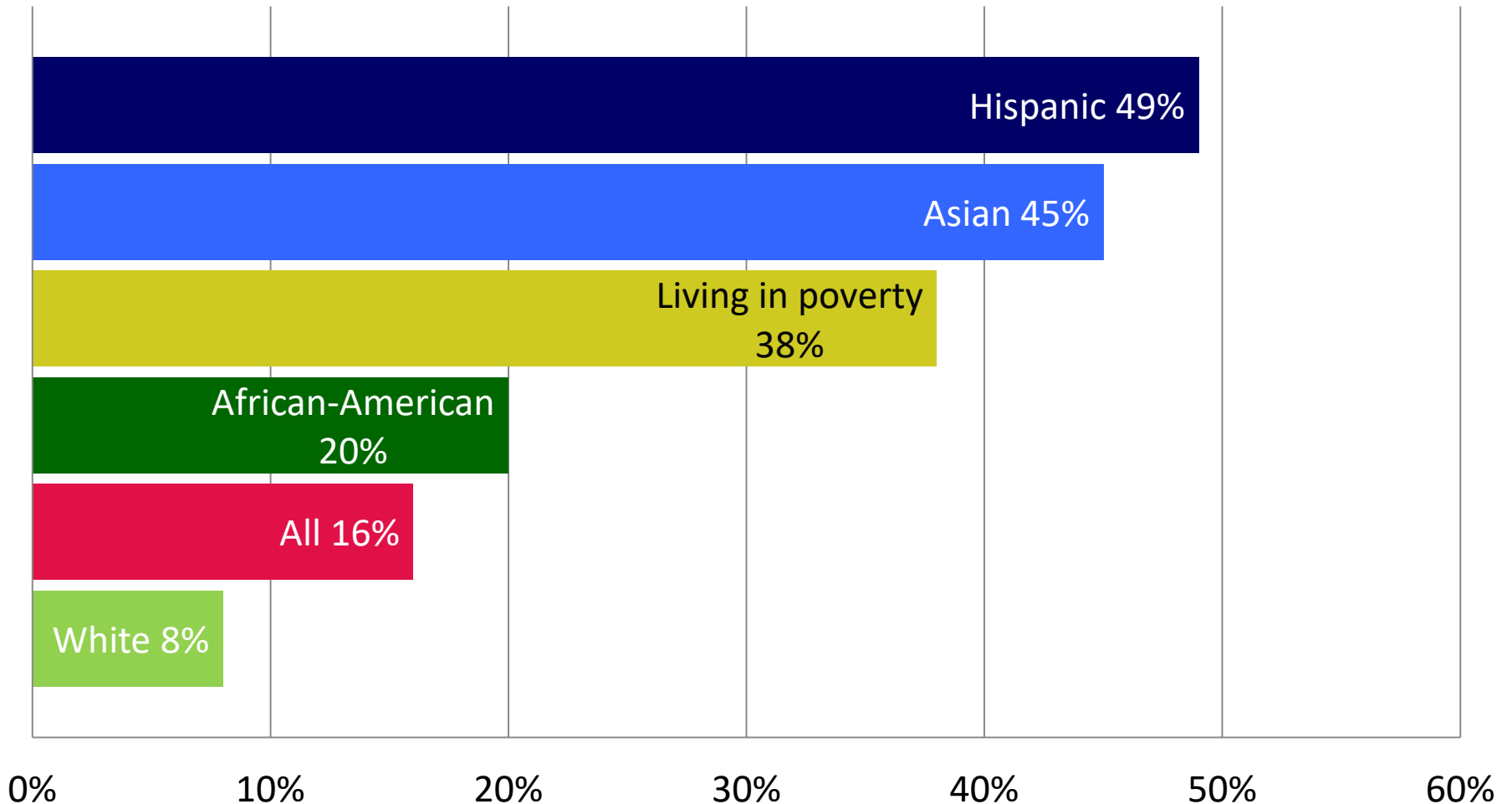


Essential Elements of High Performing States

- Foundations for Learning
- Quality Teaching
- Quality Leadership
- Supportive Learning Environments
- Advanced Instructional System
- Clear Pathways to Postsecondary Success
- Adequate and Equitable Funding

The Changing Face of Georgia

2001-2010: Percent Population Increase



Source: U.S Census Data

Achievement Gaps

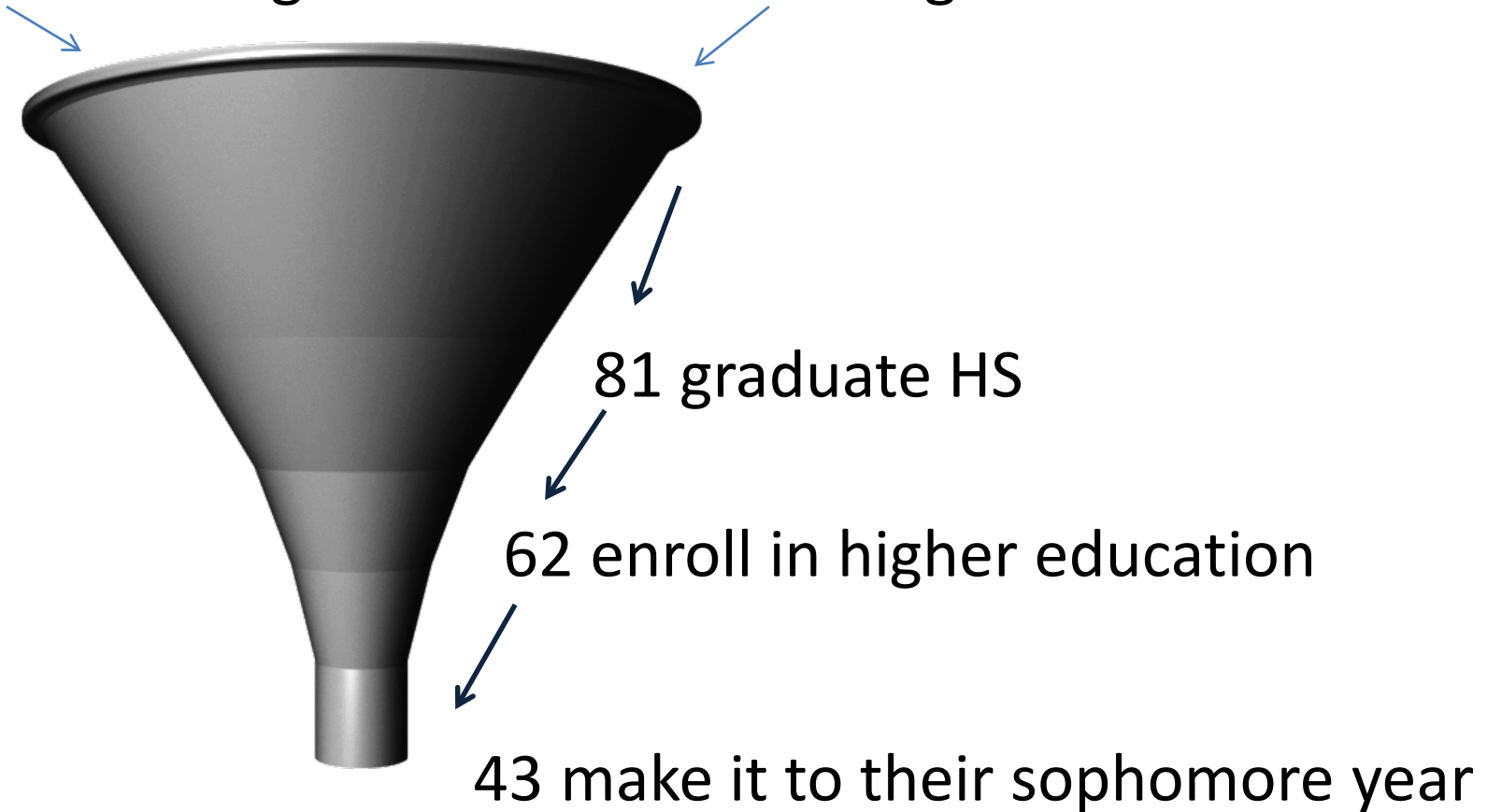
	4th Grade Reading*	8th Grade Math*	HS Graduation**
All Students	35%	31%	82%
Low-Income	25%	20%	77%
English Language Learners	10%	4%	58%

*Source: National Assessment of Educational Progress, 2017 Percent of students proficient and above

**Source: Georgia Department of Education, 2018 High School Graduation Rate

The Missing 57%

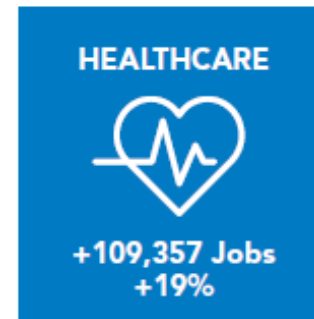
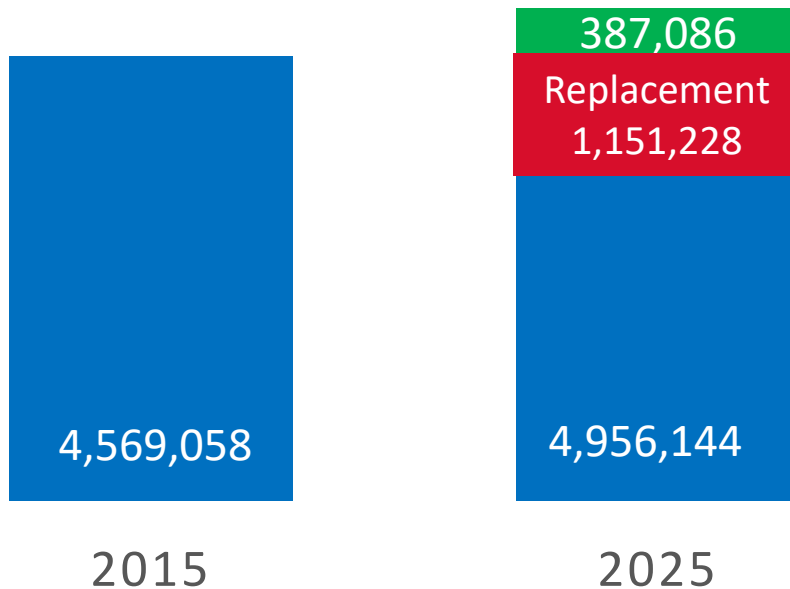
100 Georgia 9th Graders Enter High School!



Source: Ga DOE data for 2016-2017 school year; projections by Atlanta Regional Commission

Georgia's Economic Development Needs

JOB CHANGE 2015-2025



TOP GROWING INDUSTRY SECTORS 2015-2025 PROJECTIONS

Georgia is experiencing a talent gap. This talent gap is a mismatch between degrees and skills needed by employers versus the degrees and skills of the population.

Georgia Needs: The Economic Development Pipeline

60% of jobs in 2020 will require some higher education

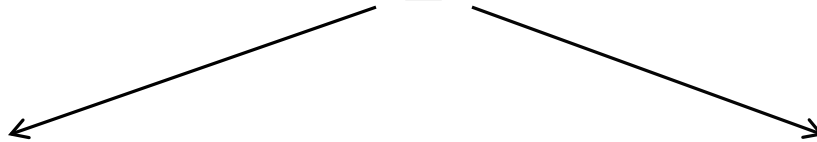
48% of Georgians currently have a post-secondary degree

**Goal:
250,000 new graduates by 2025**

Georgia's Future Workforce

1. Increasing academic rigor and expectations
- +
2. Changing demographics
- +
3. Increasing demand for highly skilled labor force

=



Perfect Storm?

**Positive Collective
Impact?**

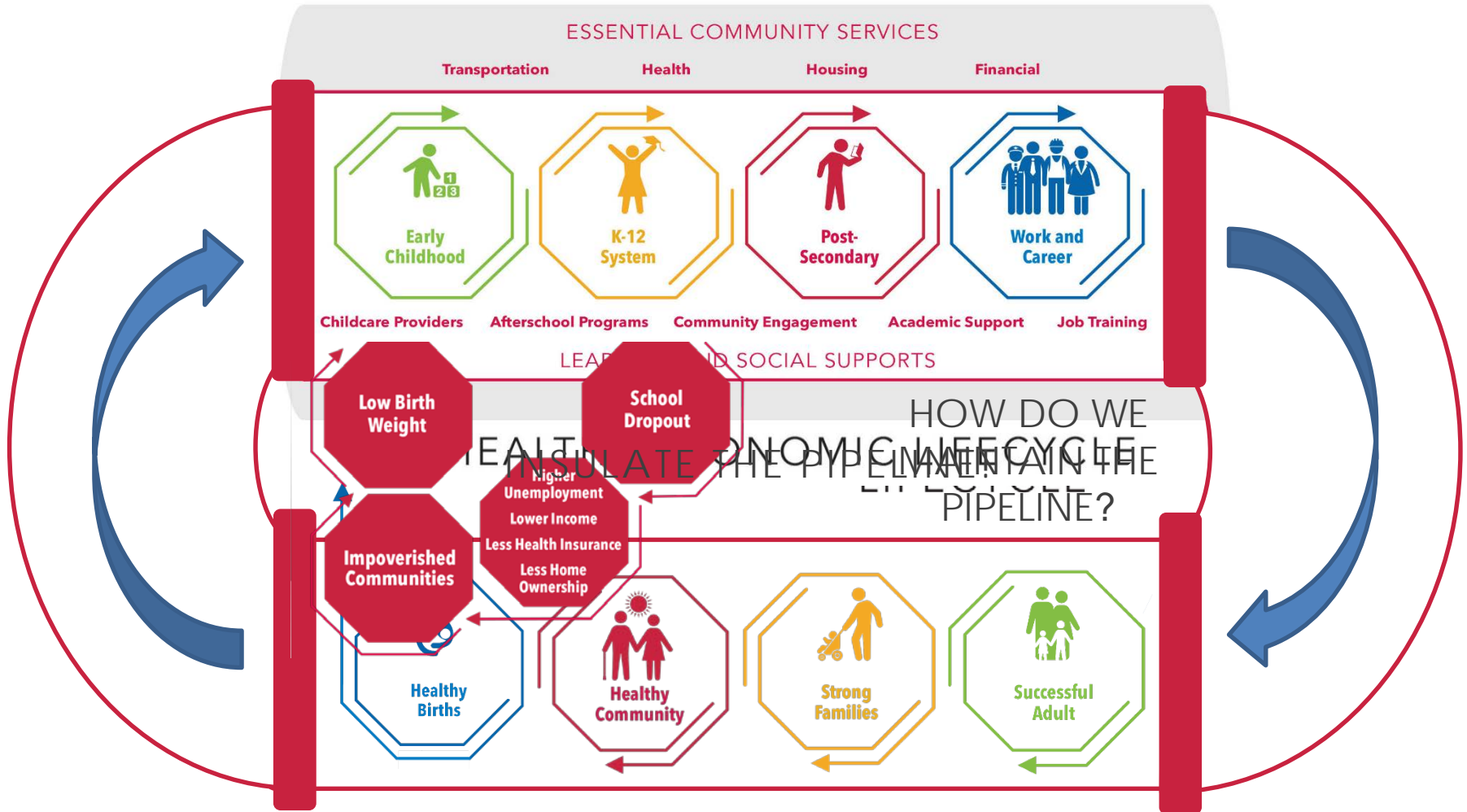
What Can We Do?

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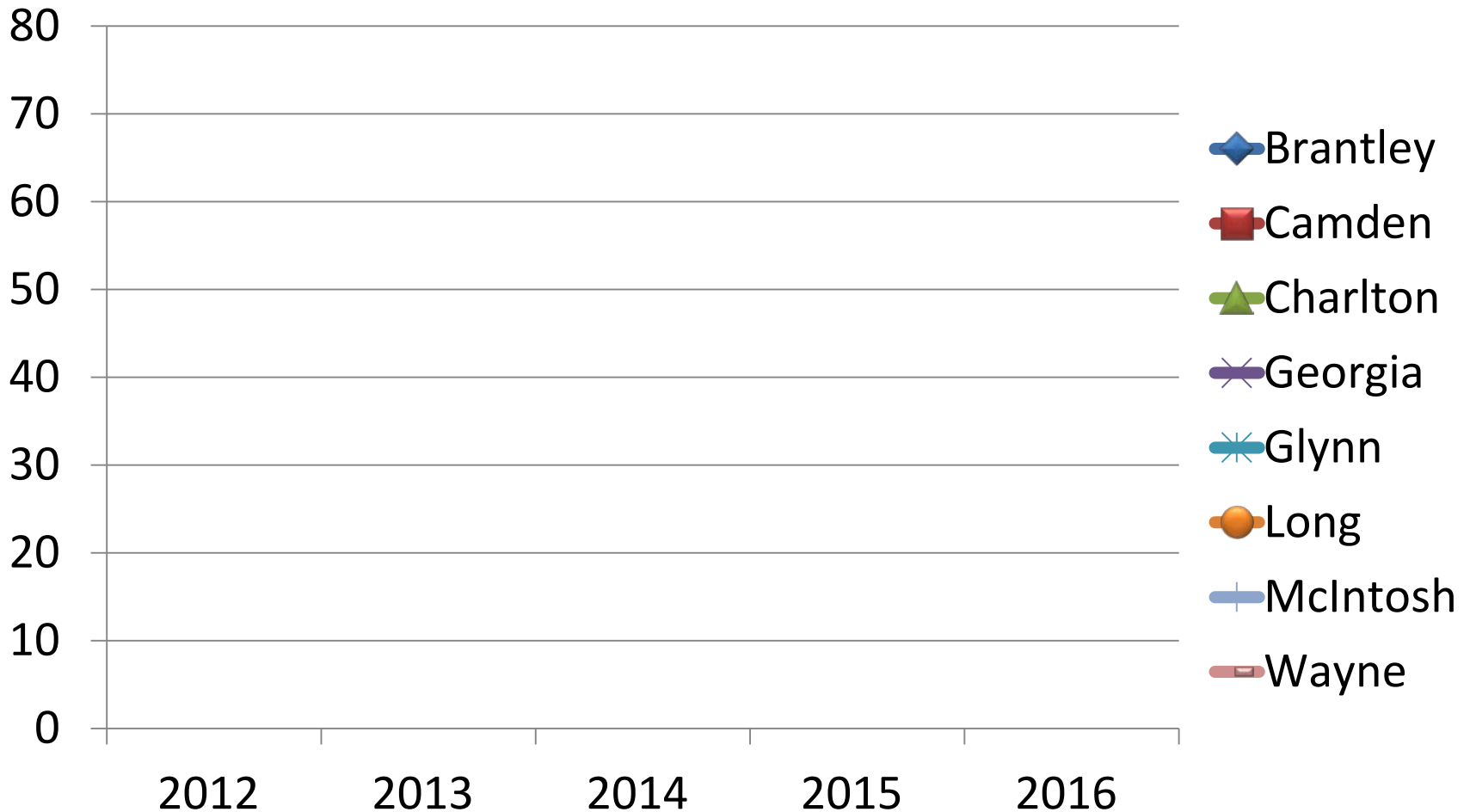


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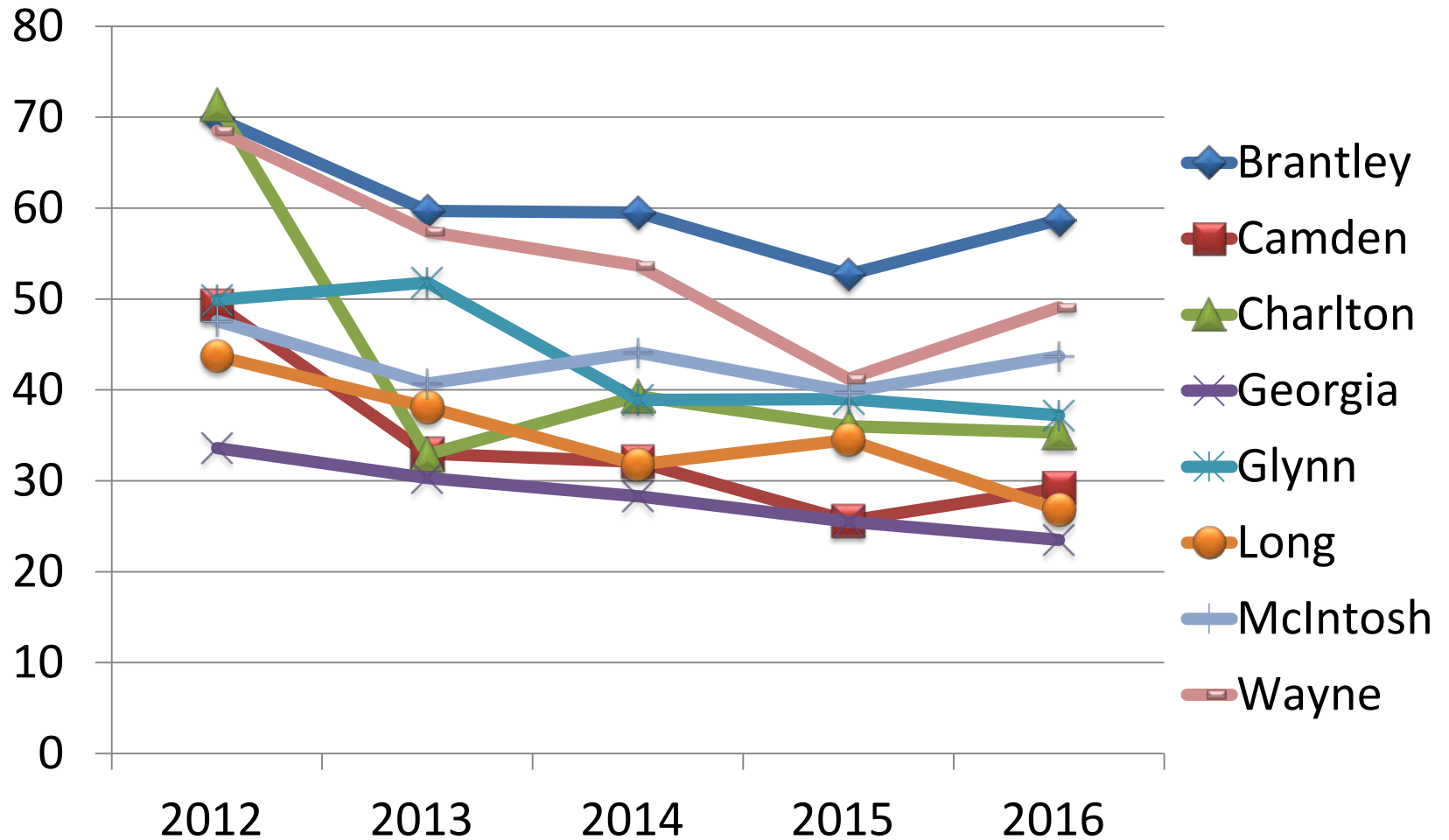
Economic Lifecycles



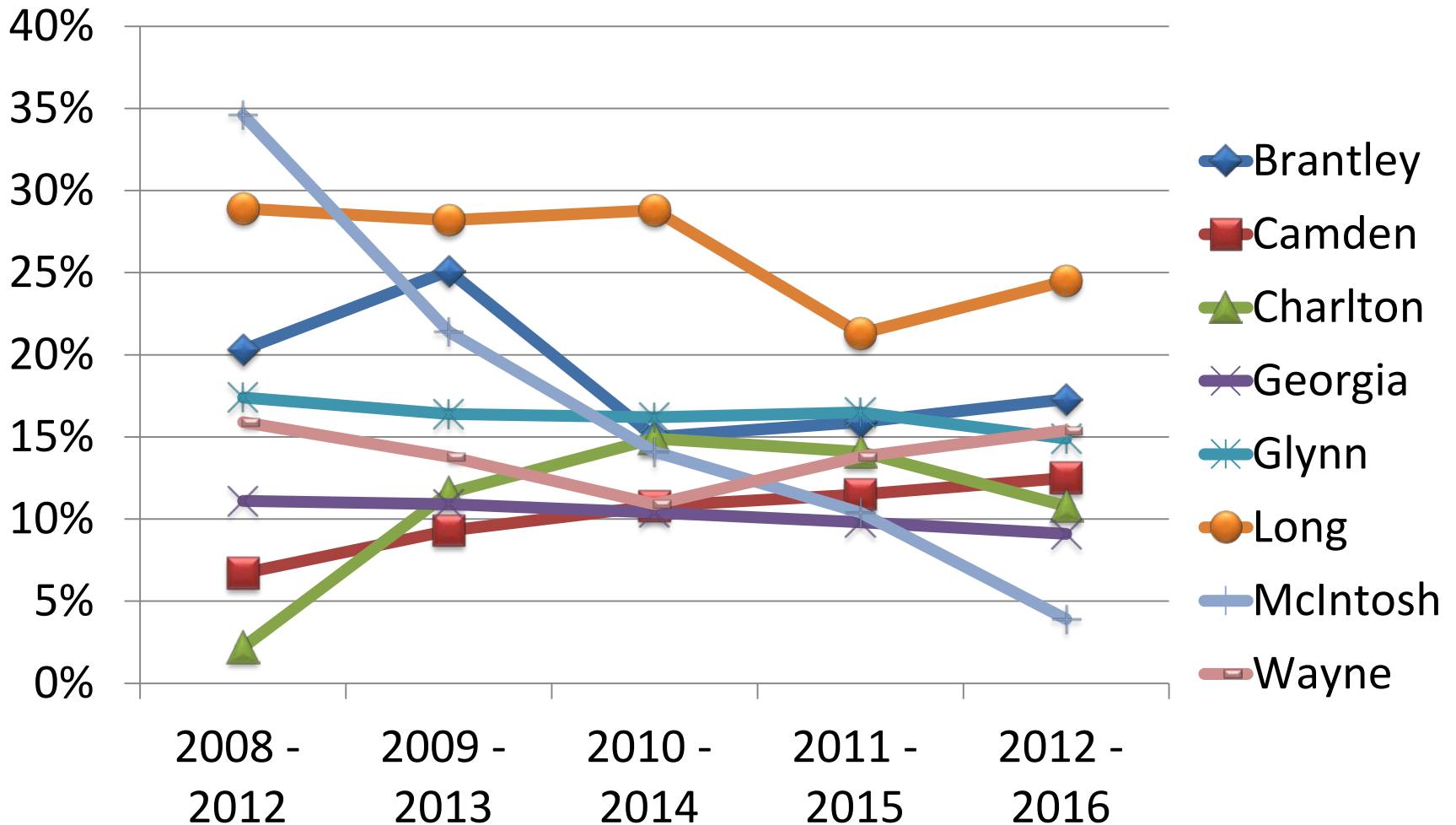
Profile of Child Wellbeing and Academic Achievement



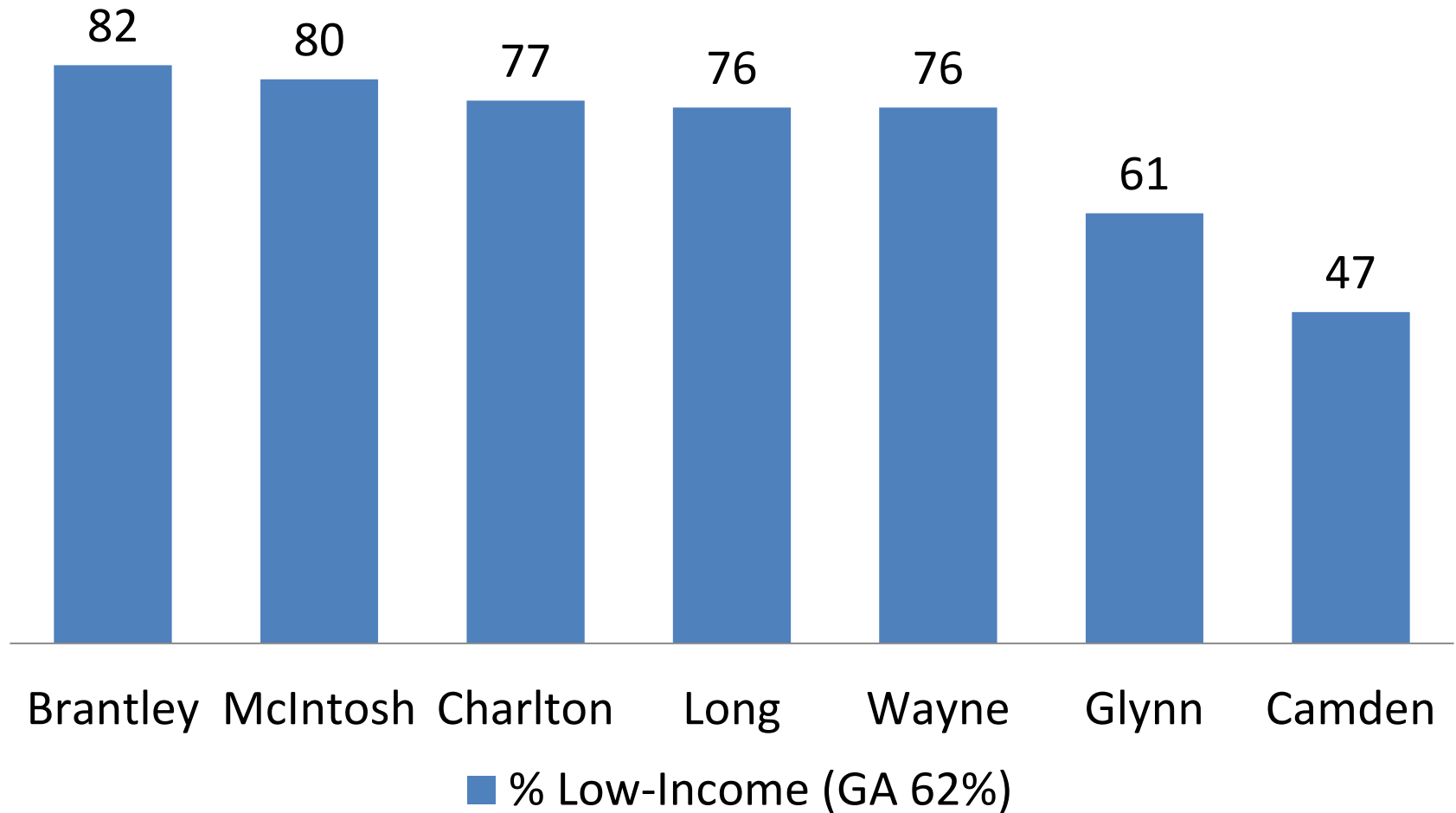
Teen Birth Rates Per 1,000



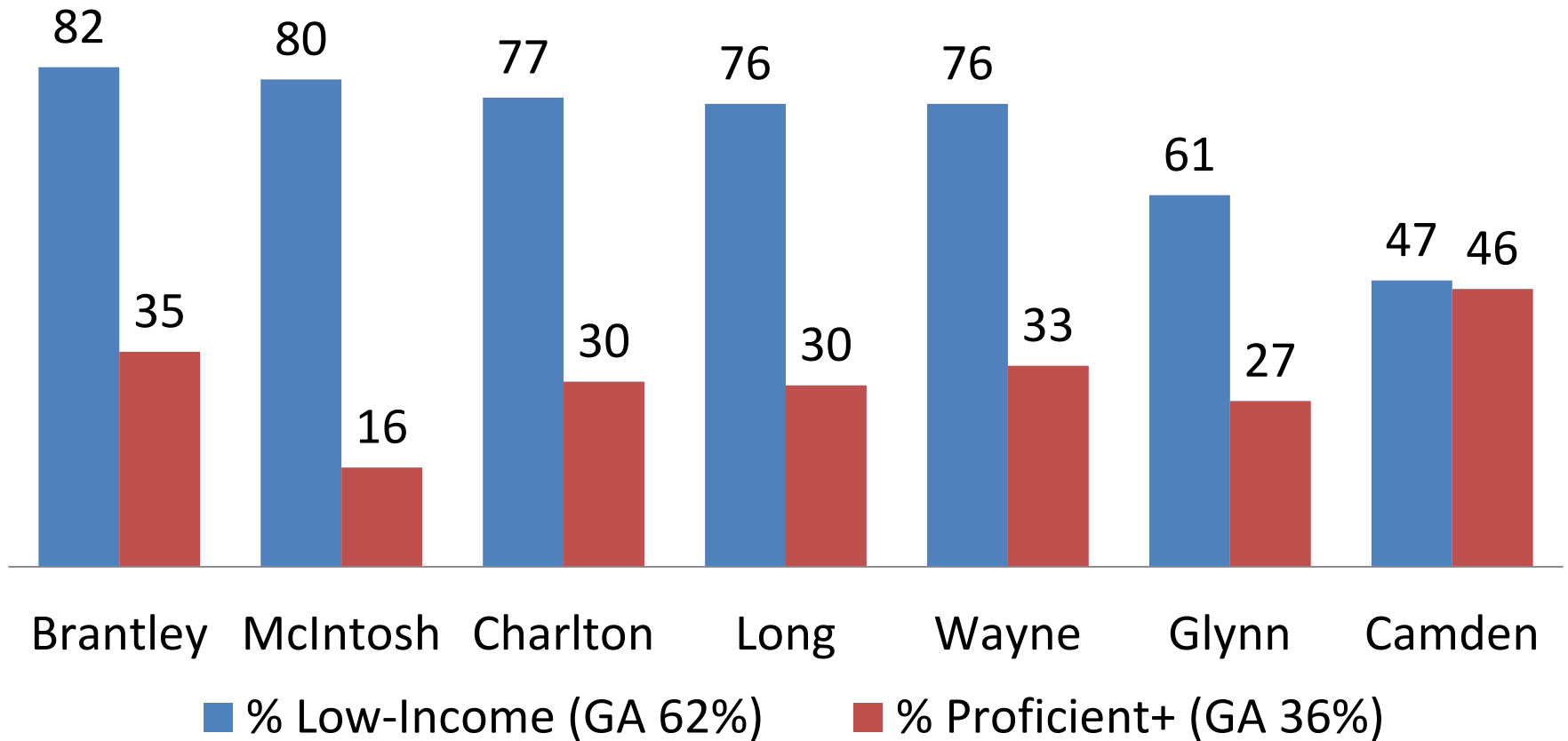
Percent Teens Not Working or in School



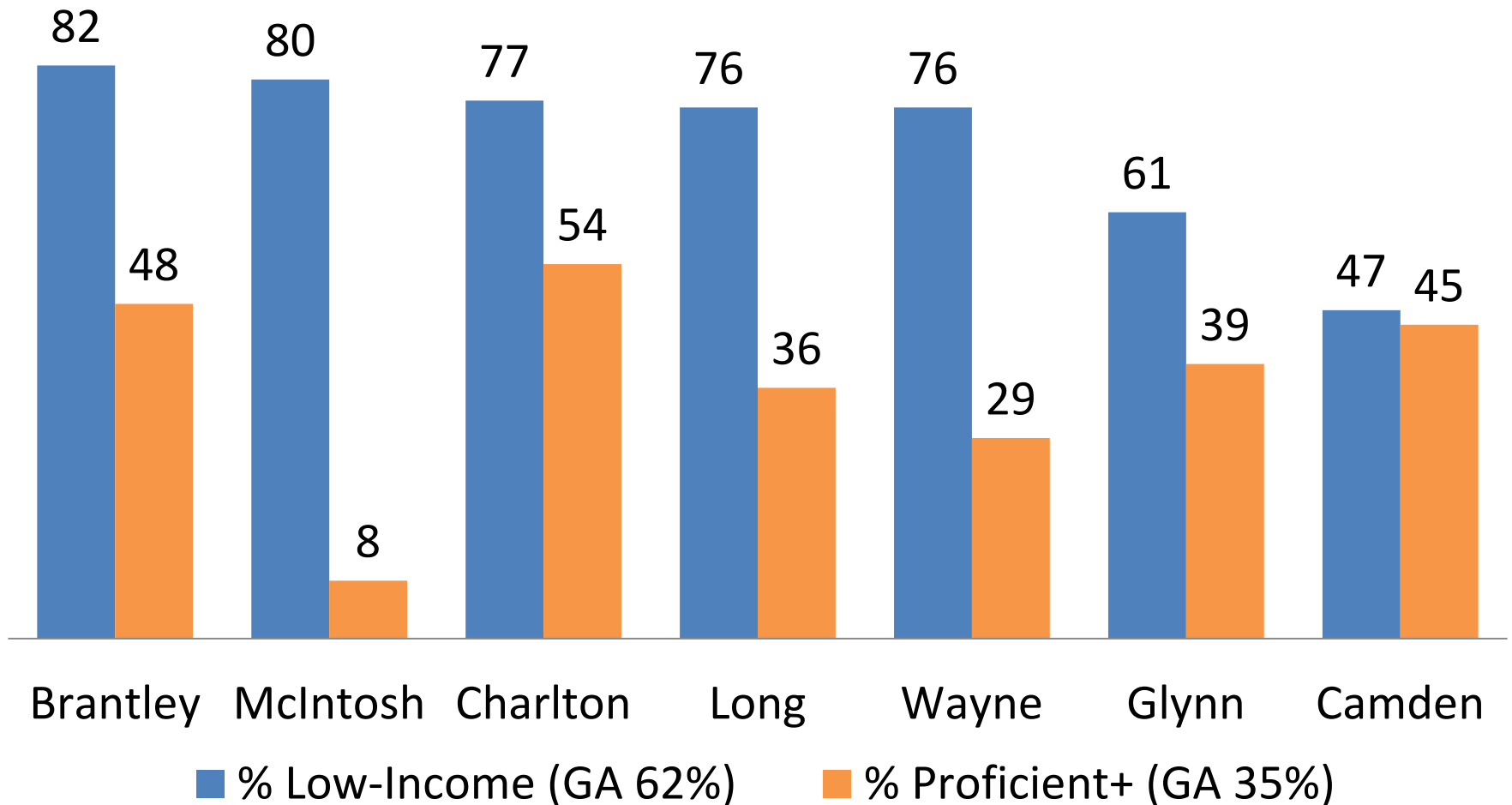
Percent Low-Income by School District



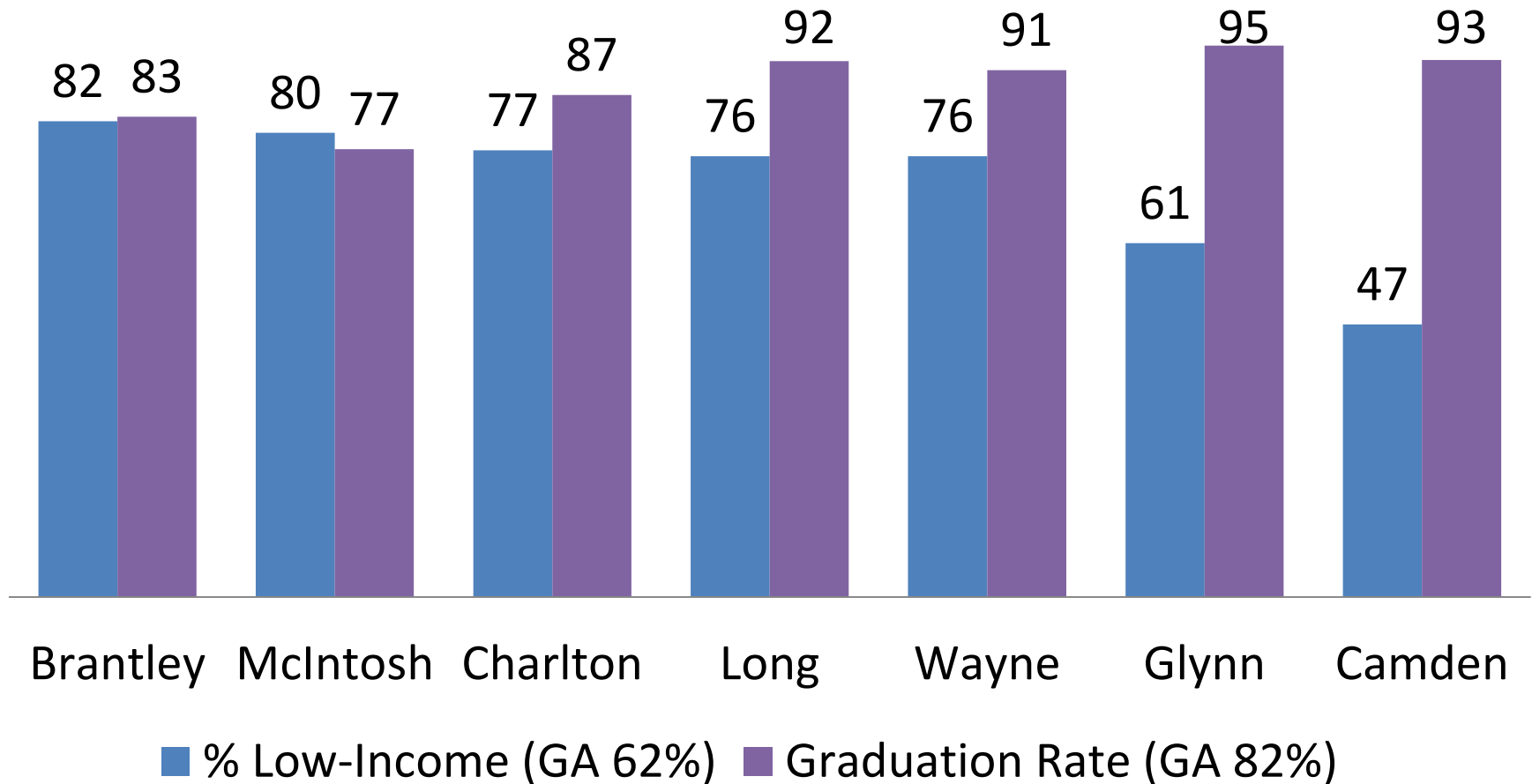
Percent Low-Income and Proficient + Distinguished 3rd Grade Language Arts



Percent Low-Income and Proficient + Distinguished 8th Grade Math



Percent Low-Income and HS Graduation



Help Insulate the Pipeline

Early Childhood

Read to children every day: “Talk with Me Baby”
Encourage participation of your early learning centers: “Quality Rated”

K – 12 System

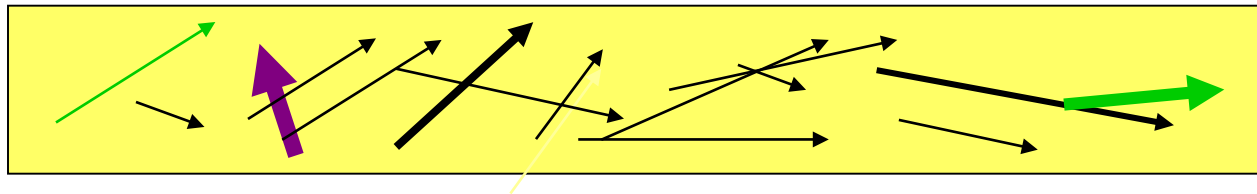
Support “Get Georgia Reading Campaign”
Leverage partnerships with business and post-secondary – internships and mentoring
Consider dual enrollment high school/college

Post Secondary

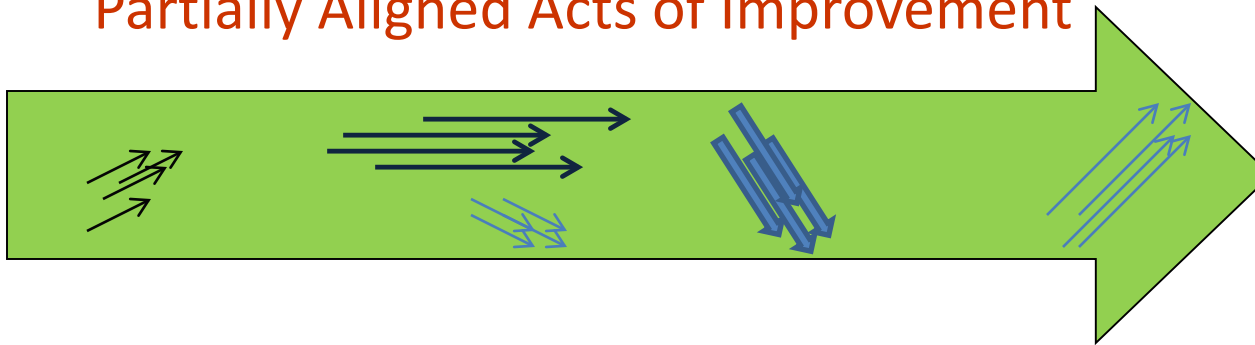
Provide internships/ apprenticeships
Participate and support: “Go Back. Move Ahead.”
Promote adult literacy efforts

Aligning Educational Strategies for Collective Impact

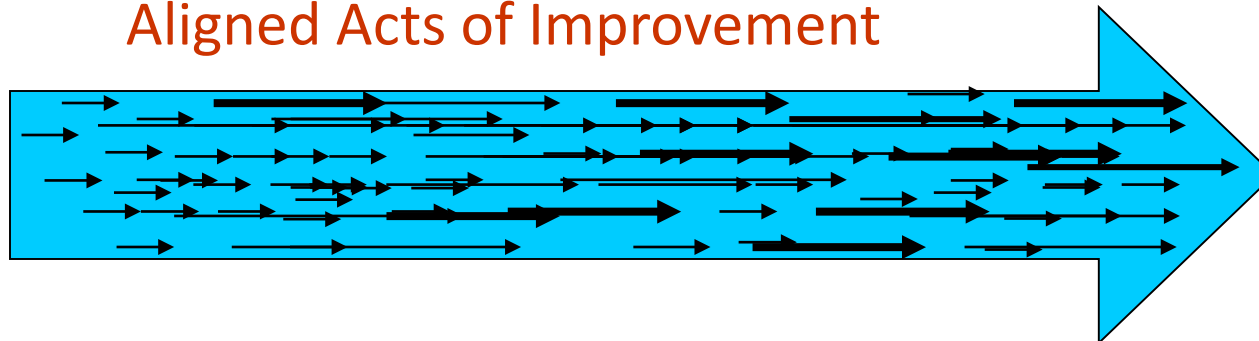
Random Acts of Improvement



Partially Aligned Acts of Improvement



Aligned Acts of Improvement



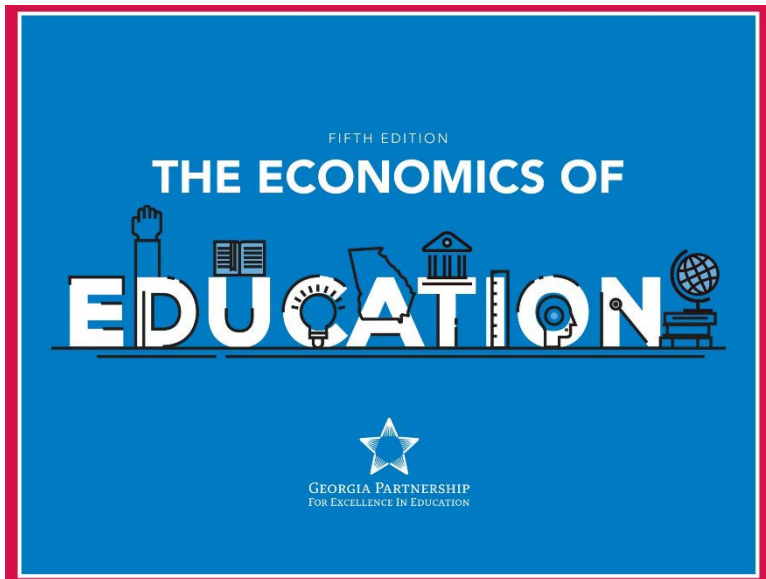
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