

The Economics of Education



GEORGIA PARTNERSHIP
FOR EXCELLENCE IN EDUCATION

The Economics of Education

Regional Leadership Institute



September 14, 2011

- 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?

The background of the slide features a blue-toned image of a hand holding a pen, positioned as if about to write on a surface. The surface is covered with a complex, glowing blue grid or circuit-like pattern. The overall aesthetic is high-tech and analytical.

Examine the Data for Education in Georgia

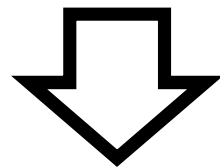
Academic Achievement Milestones

School Readiness

Literacy by 3rd Grade

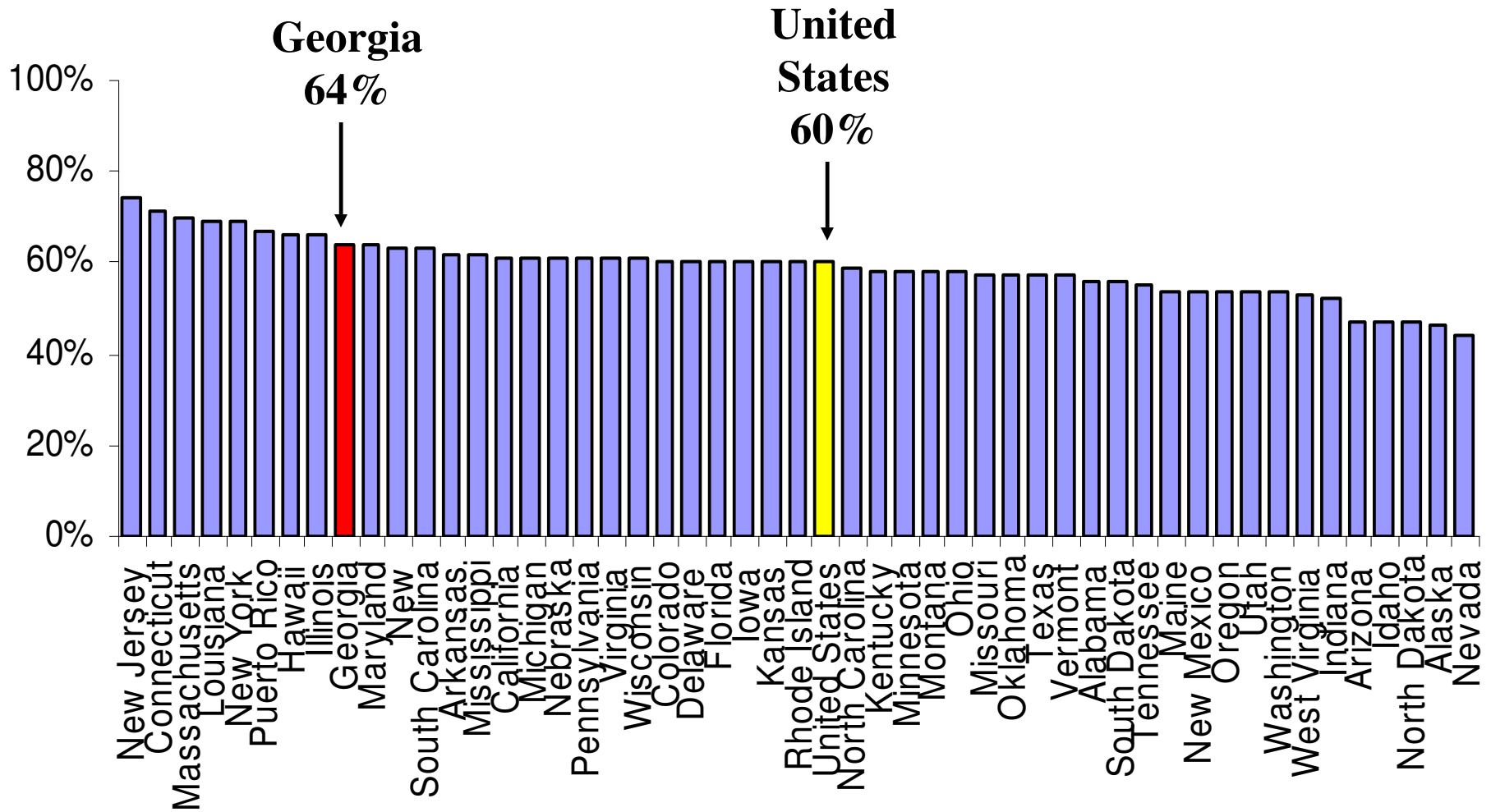
Numeracy by 8th Grade

High School Graduation



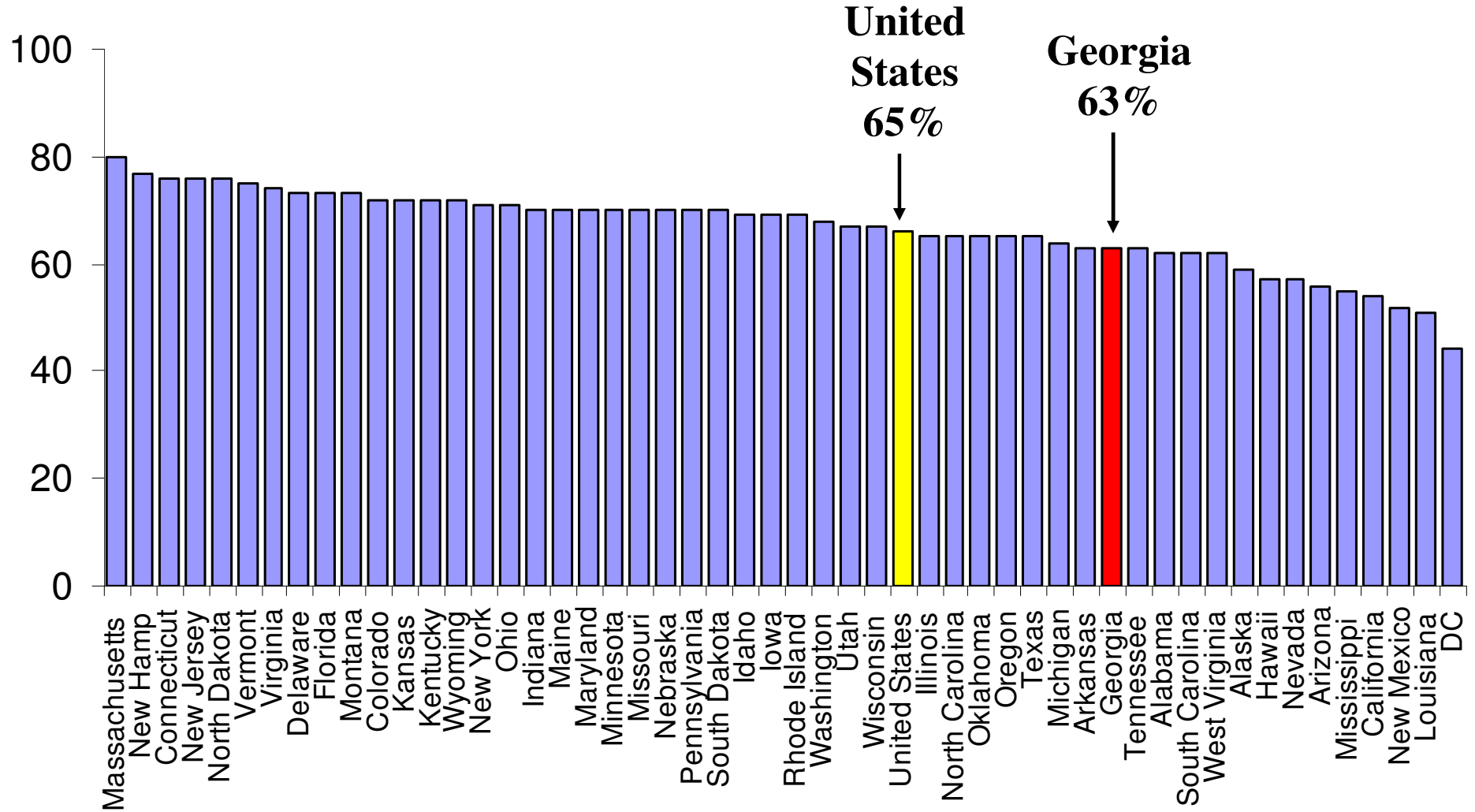
Workforce and/or College Ready

Percent of Children Age 3-5 Enrolled in Early Education, 2009



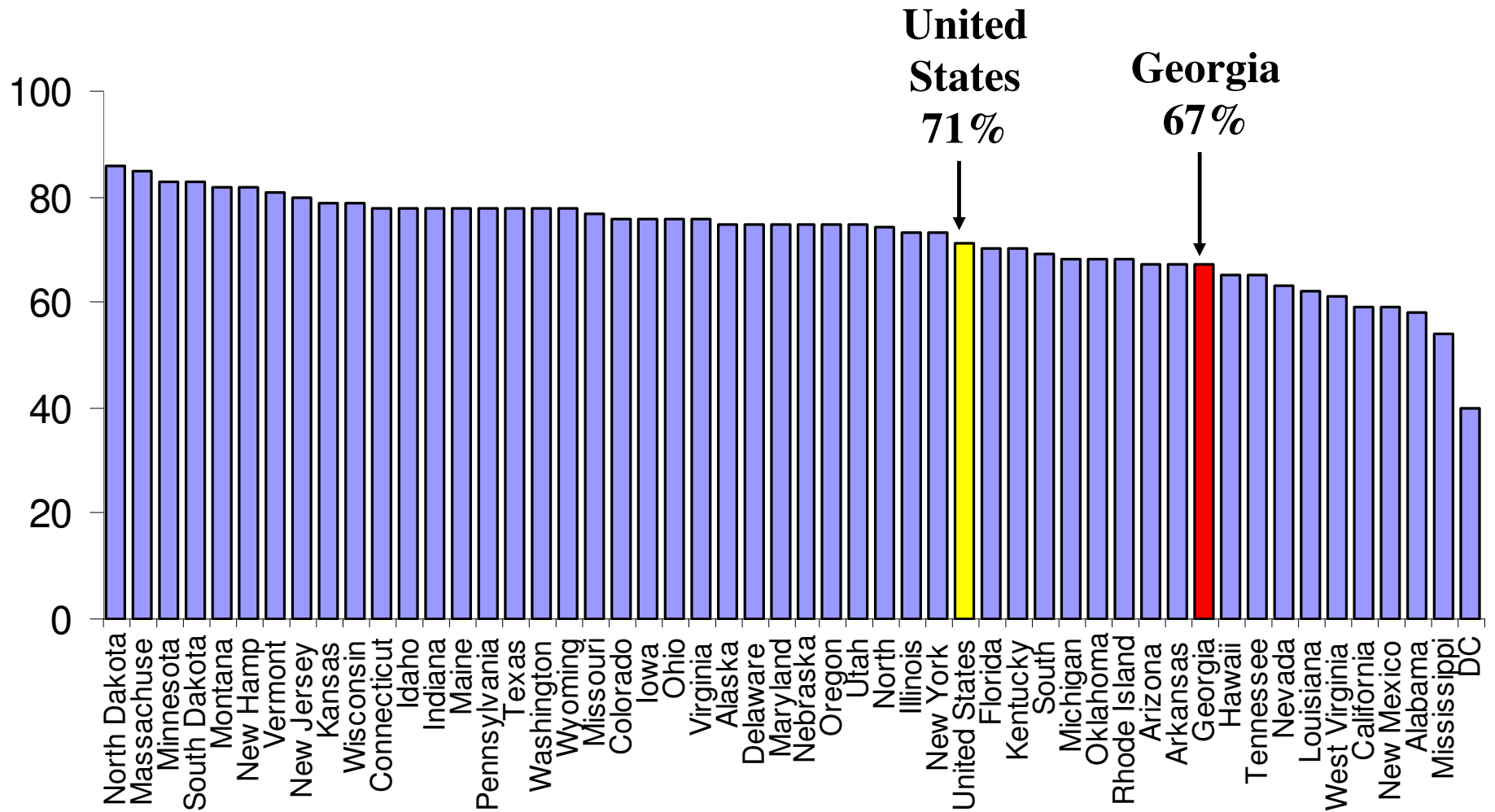
Source: The Annie E. Casey Foundation, KIDS COUNT Data Center.

NAEP 2009 4th Grade Reading At or Above Basic



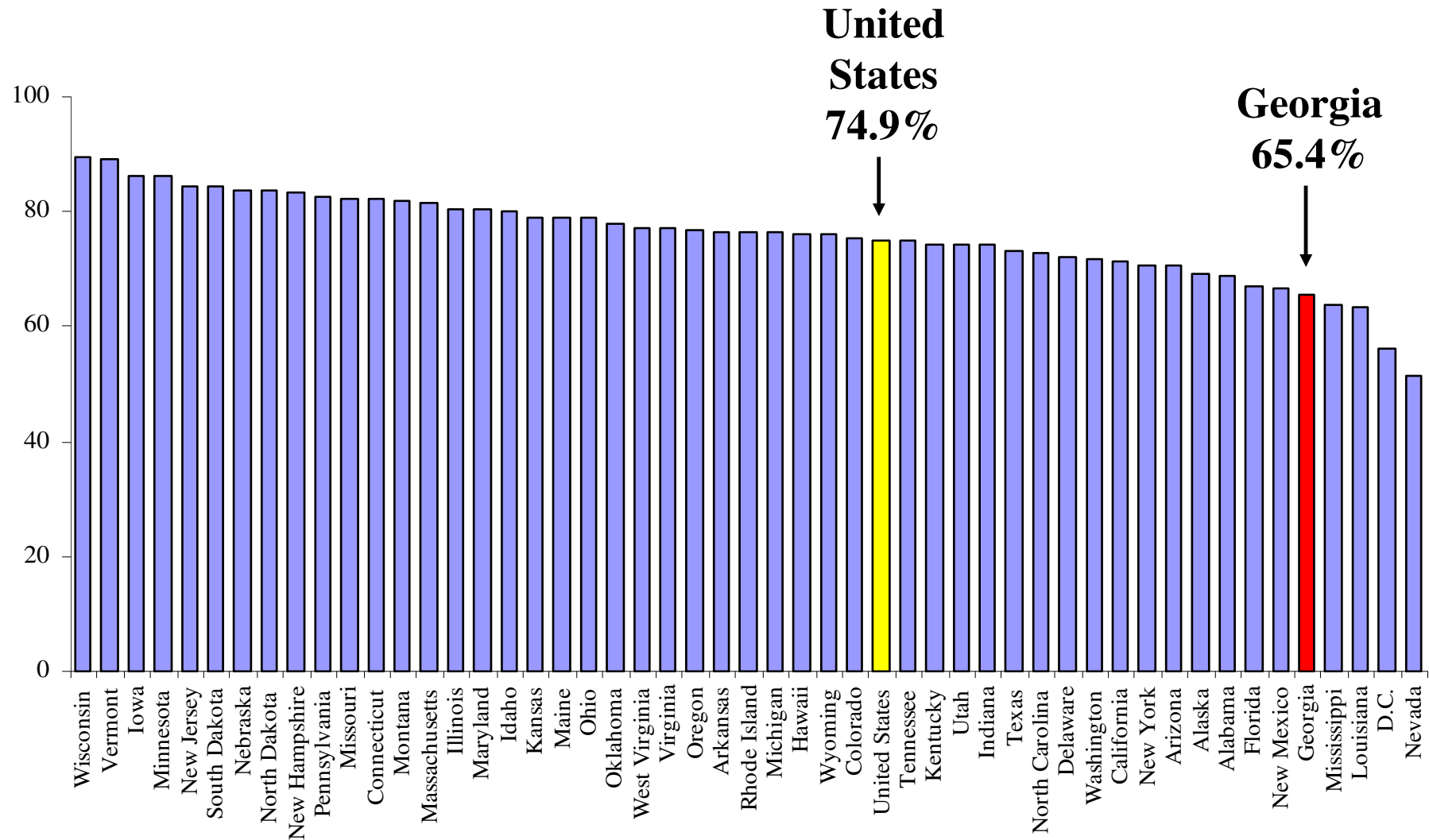
Source: National Center for Education Statistics

NAEP 2009 8th Grade Math At or Above Basic



Source: National Center for Education Statistics

High School Graduation Rates: State-by-State Rankings



Source: NCES (2010). Public School Graduates and Dropouts: School Year 2007-08.

Georgia High School Graduation Rates

Year	High School Graduation Rate	Number of High School Non-Grads
2007	72%	28,883
2008	75%	27,248
2009	79%	23,567
2010	81%	21,803
Total		101,501

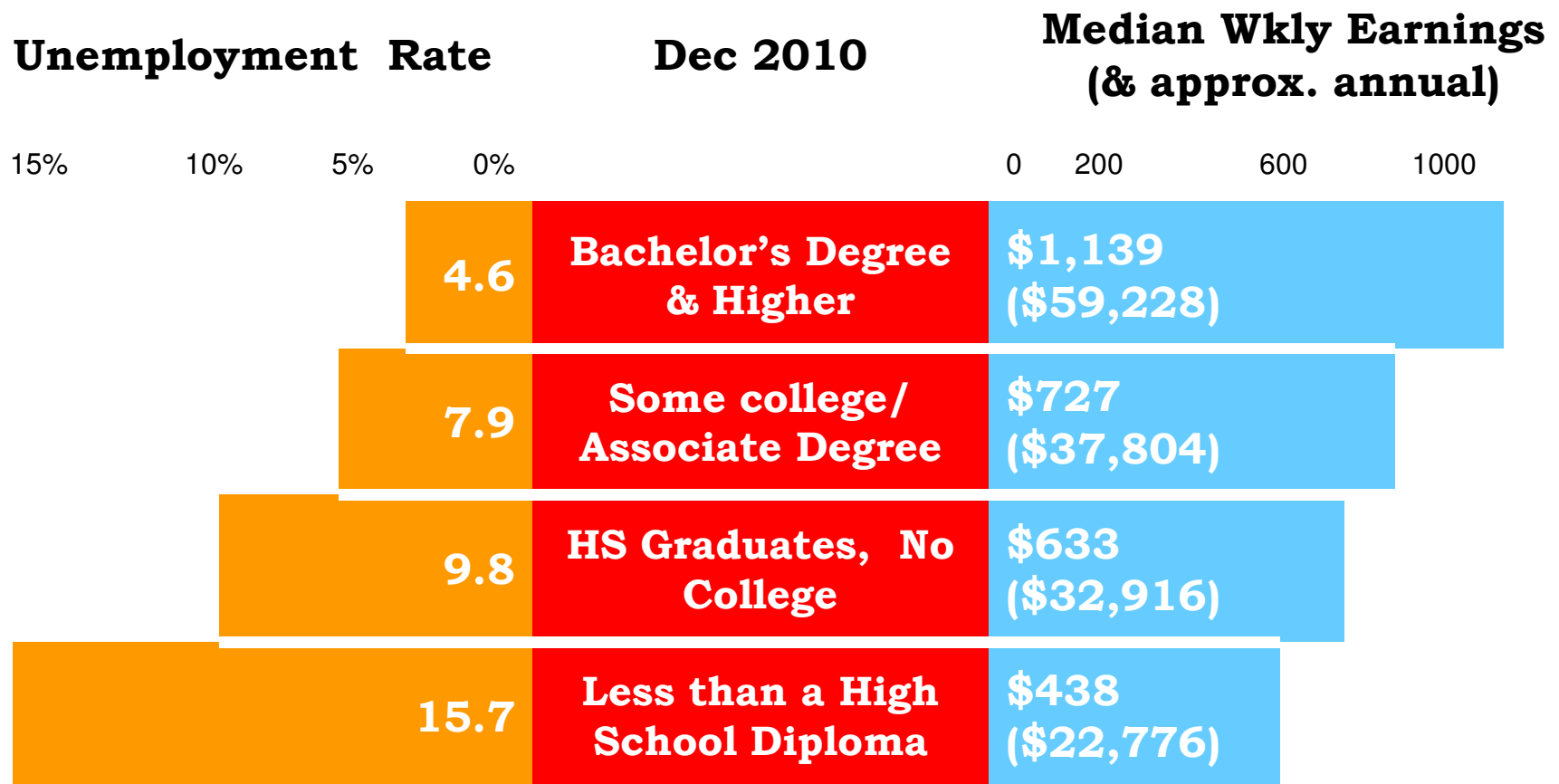
Source: The Governor's Office of Student Achievement, State Report Cards.

The background of the slide features a blue-tinted image of a hand holding a pen, poised to write on a document with a grid pattern. The overall aesthetic is professional and academic.

Economic Impact of Georgia Non-Graduates

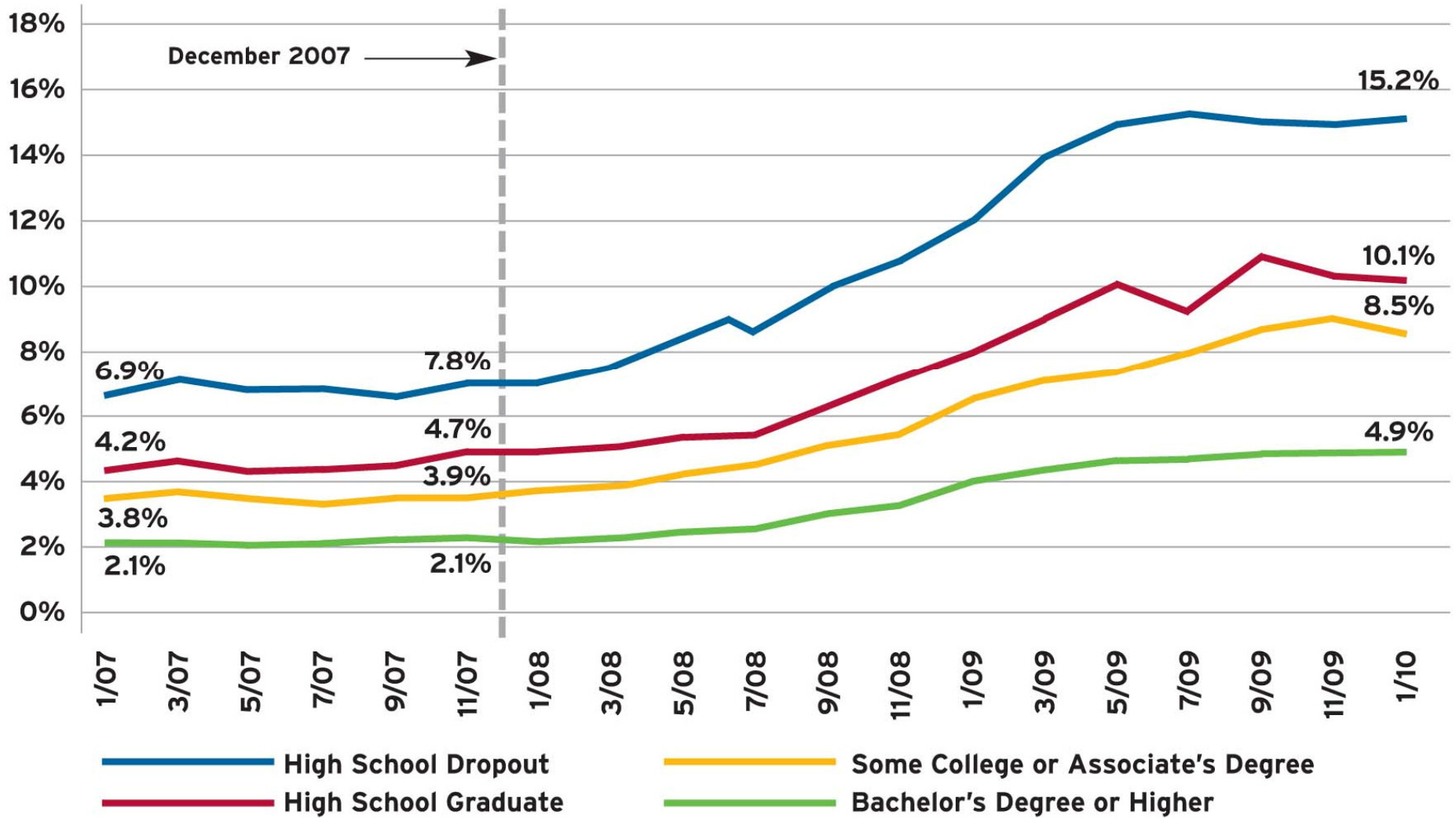
Education Pays

EDUCATIONAL ATTAINMENT & EMPLOYMENT



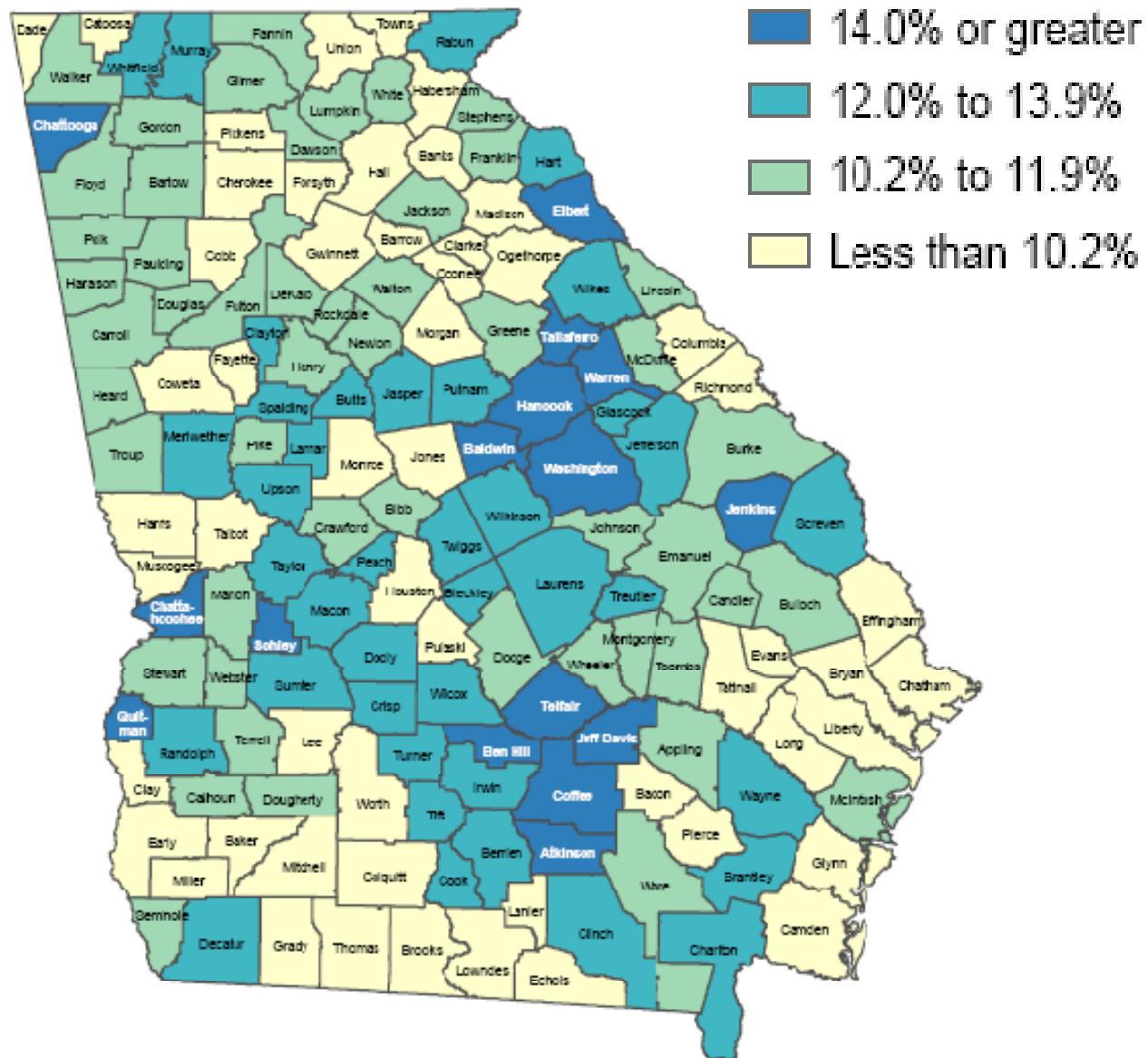
Source: U.S. Bureau of Labor Statistics. Earnings & unemployment for full-time workers age 25 & older, not seasonally adjusted.

Unemployment Rates by Education Level



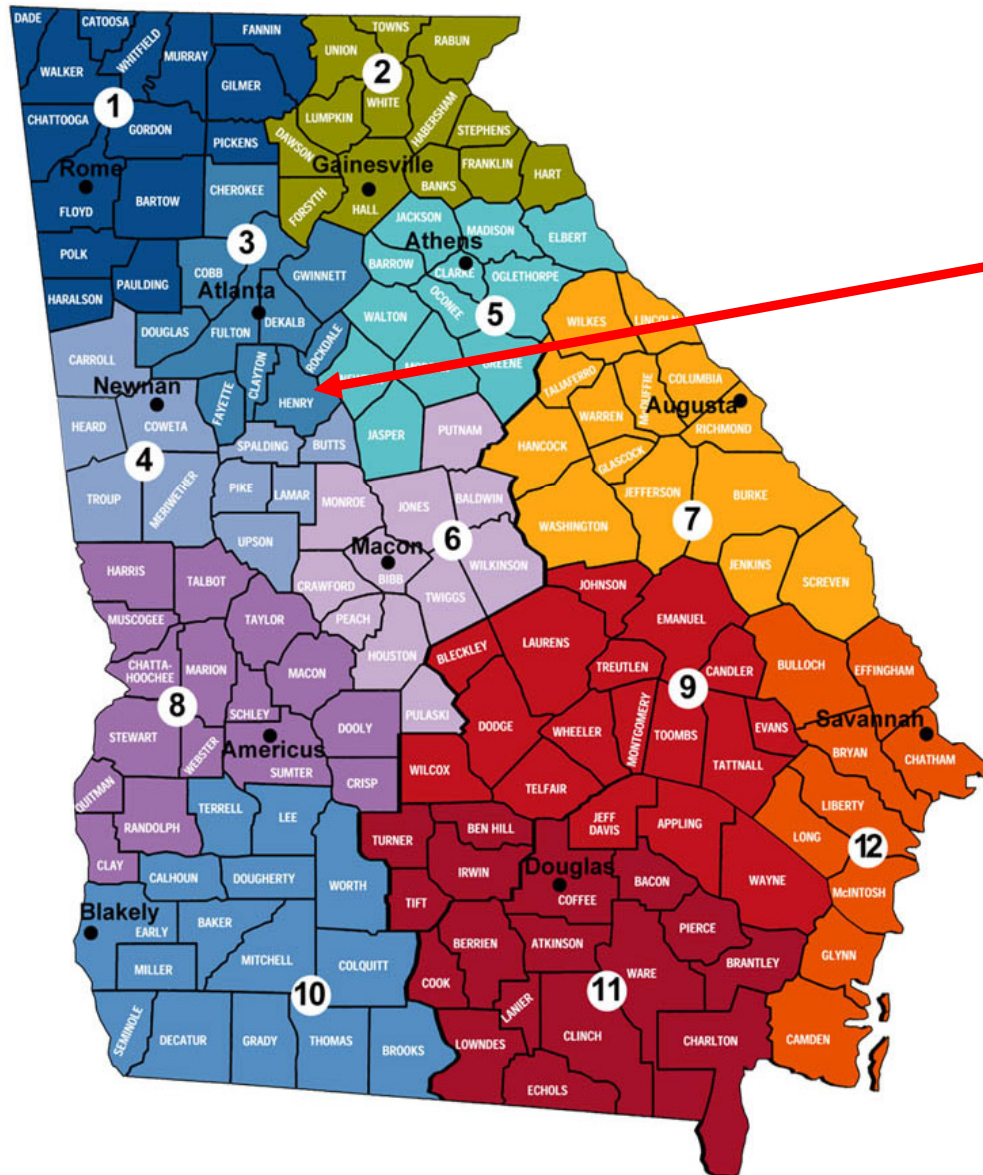
Source: U.S. Bureau of Labor Statistics, February 2010.

Unemployment Rates by County, Dec. 2010



Source: Georgia Department of Labor; State average = 10.2%

State Service Delivery Regions



Economic Impact of High School Non-Completion

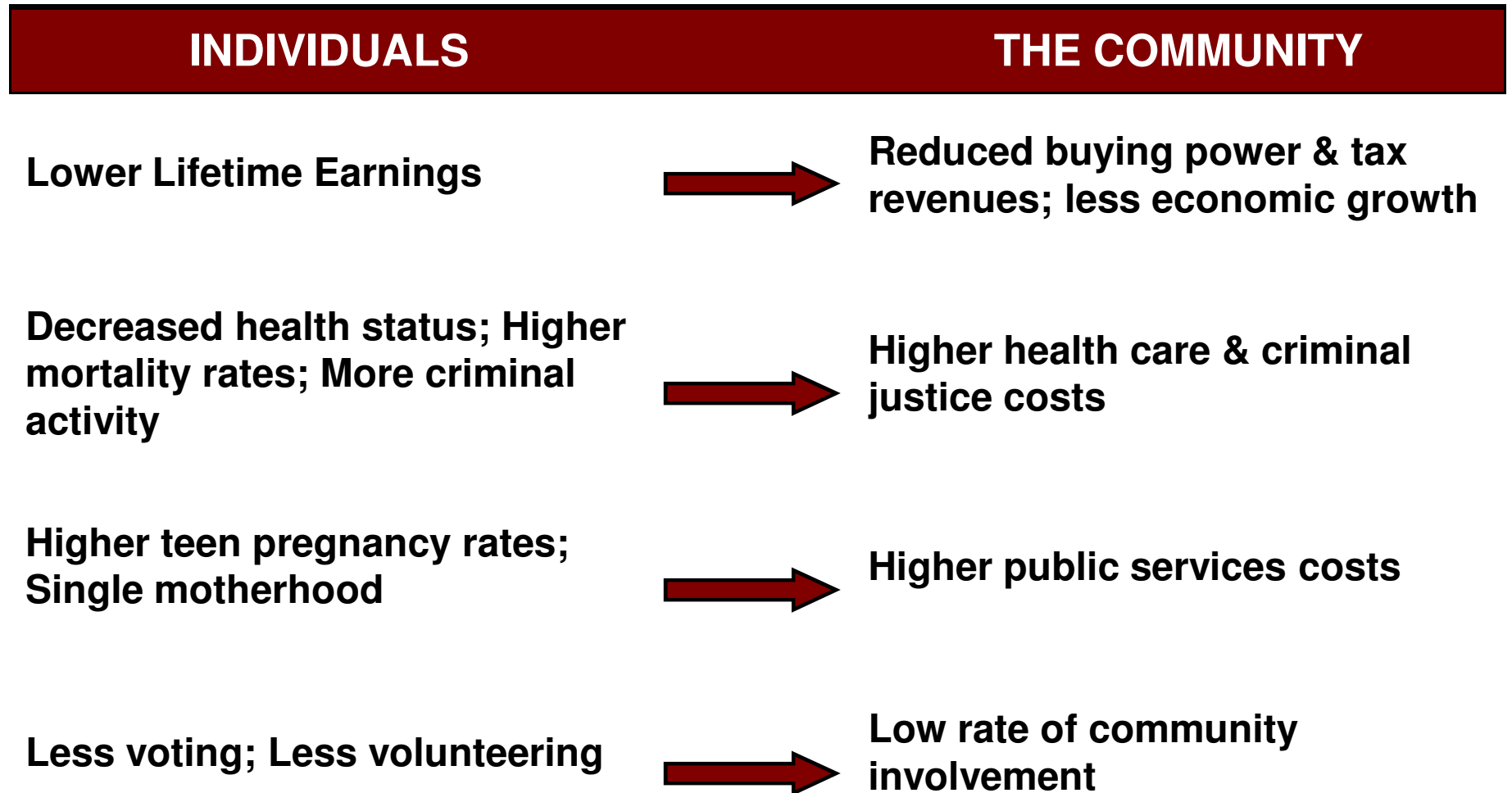


Region 1	\$2.2 billion
Region 2	\$1.2 billion
Region 3	\$4.2 billion
Region 4	\$1.1 billion
Region 5	\$1.1 billion
Region 6	\$1.0 billion
Region 7	\$1.1 billion
Region 8	\$0.9 billion
Region 9	\$0.9 billion
Region 10	\$2.0 billion
Region 11	\$1.0 billion
Region 12	\$1.1 billion
TOTAL	\$18 billion*

**How much could
YOUR region benefit
from this additional
income currently
being foregone?**

Source: Isley, P. & Hill, J. "Updated Economic Impact of High School Non-Completion in Georgia: 2005 Estimate," Georgia Southern University. April 2007. *According to GSU study, totals may not add due to rounding.

Compounded Impacts of High School Non-Completion



Source: Levin, H., et al., (2007). The Costs and Benefits of an Excellent Education for All of America's Children.

The background of the slide features a blue-tinted image of a hand holding a pen, poised to write on a document. The document contains a grid and technical drawings, including a circular diagram with internal lines. The overall aesthetic is professional and technical.

Strengthening the Birth to Work Pipeline

Strengthening the Birth to Work Pipeline

**KEY
ISSUE
#1**

Early Life Experiences

**KEY
ISSUE
#2**

Academic Achievement K-12

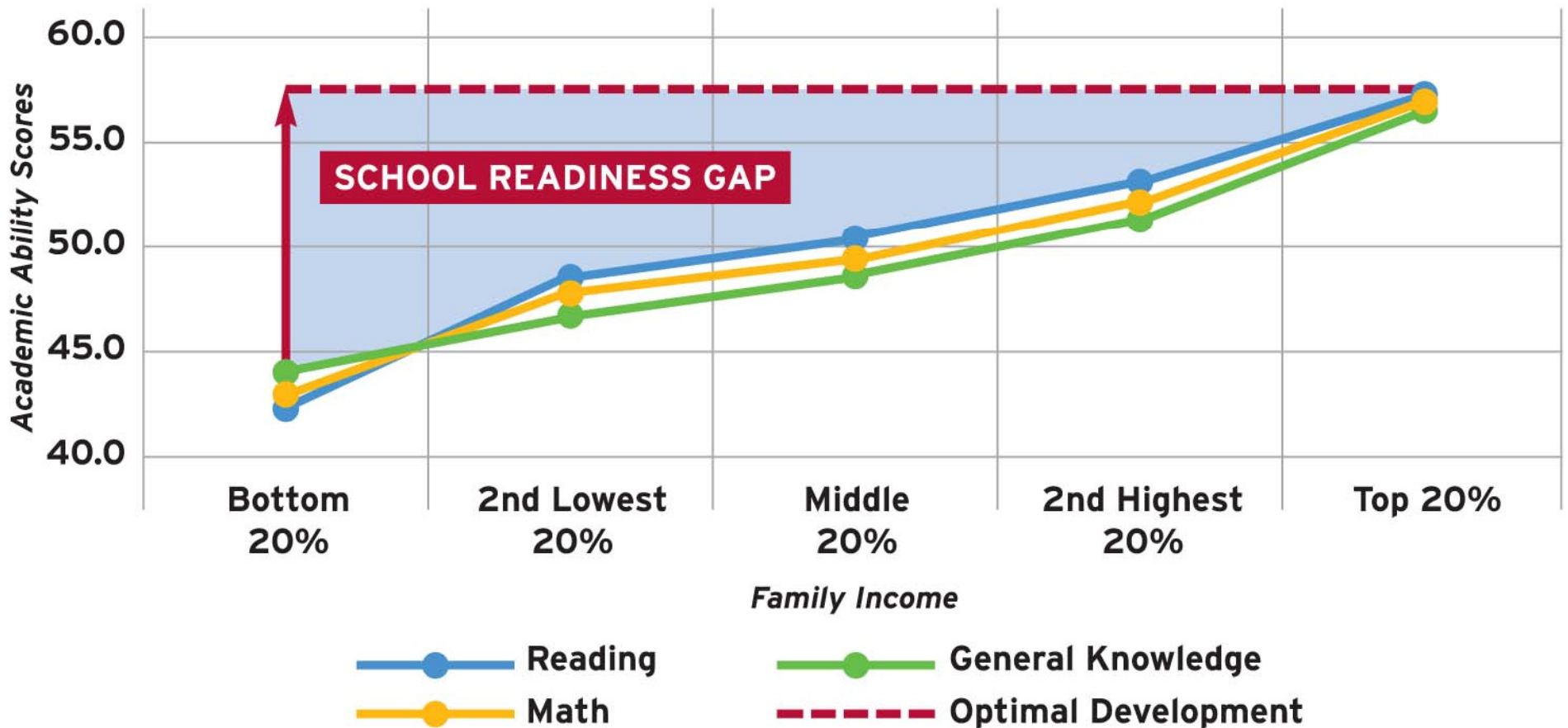
**KEY
ISSUE
#3**

Transitions to Work or College



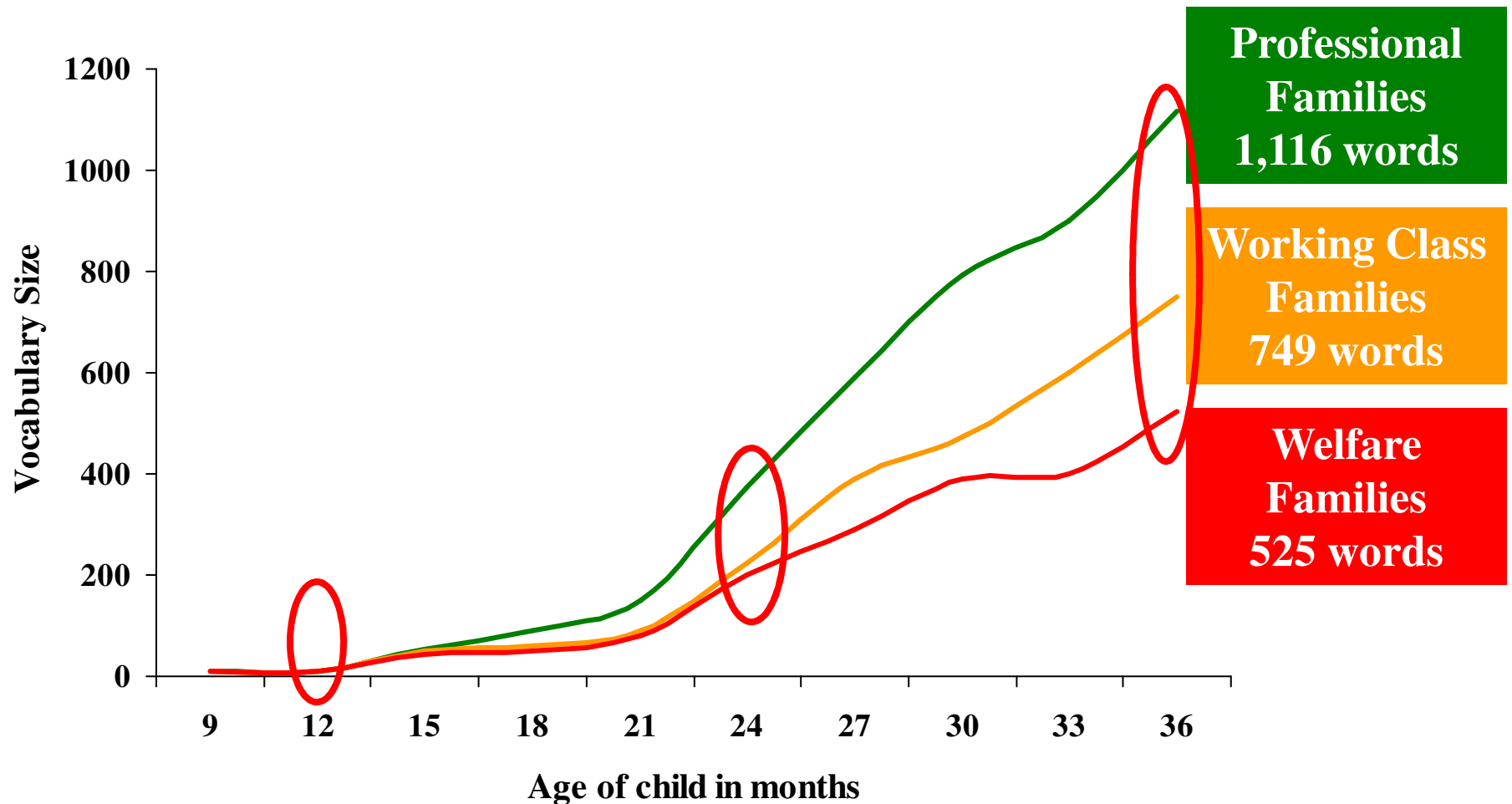
Family Income Affects School Readiness

Achievement Gap as Children Enter Kindergarten



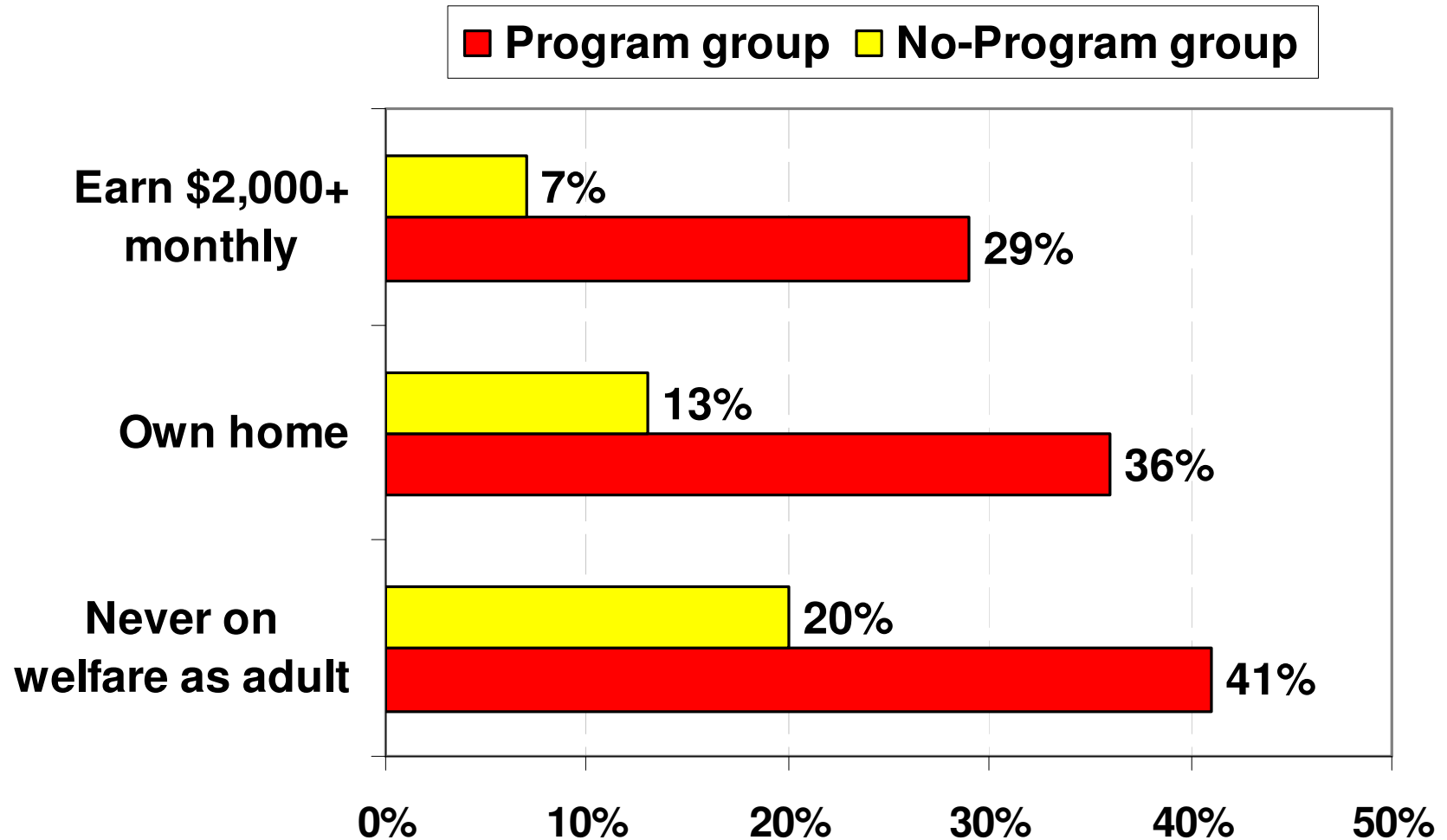
Source: National Center for Education Statistics. (2004). Early Longitudinal Study, Kindergarten Class of 1998-99.

Disparities in Early Vocabulary Growth



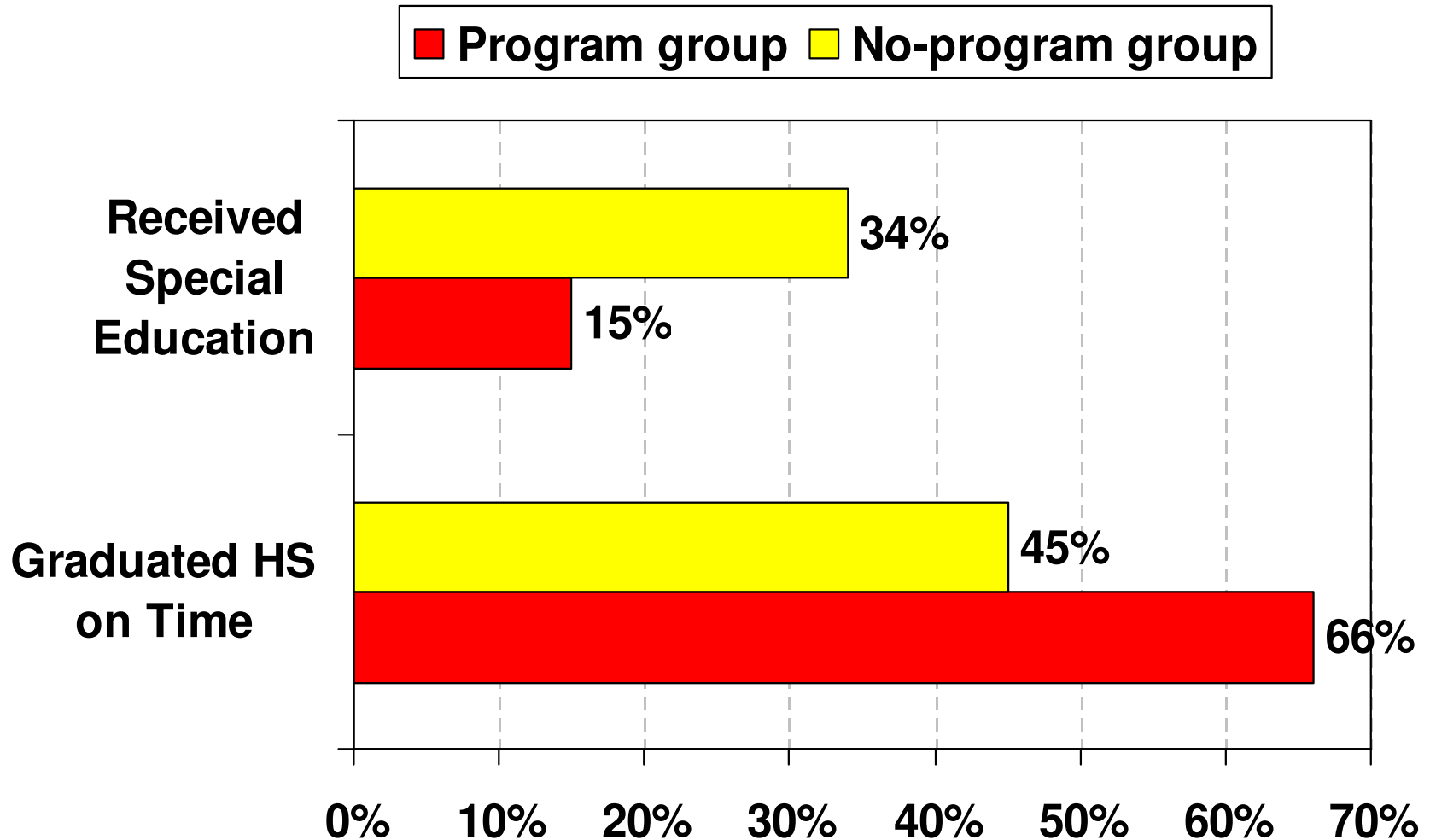
Source: Hart, B. and Risley, T. R. (2003). "The Early Catastrophe: The 30 Million Word Gap by Age 3."

Economic Benefits of Early Education: Perry Preschool Study



Source: Schweinhart, L.J., et al. (2005). *Lifetime effects: The High/Scope Perry Preschool study through age 40*.

Economic Benefits of Early Education: Perry Preschool Study



Source: Schweinhart, L.J., et al. (2005). *Lifetime effects: The High/Scope Perry Preschool study through age 40*.

Strengthening the Birth to Work Pipeline

**KEY
ISSUE
#2**

Academic Achievement K-12



6th Grade Outcomes Can Predict Failure to Graduate High School

<i>Percent with this flag who...</i>	<i>Flag in Sixth Grade</i>				
	Attended ≤ 80%	Failed Math Course	Failed English Course	Suspended Out of School	Un-satisfactory Behavior
Graduated on time	13	13	12	16	24
Did not graduate	83	81	82	80	71

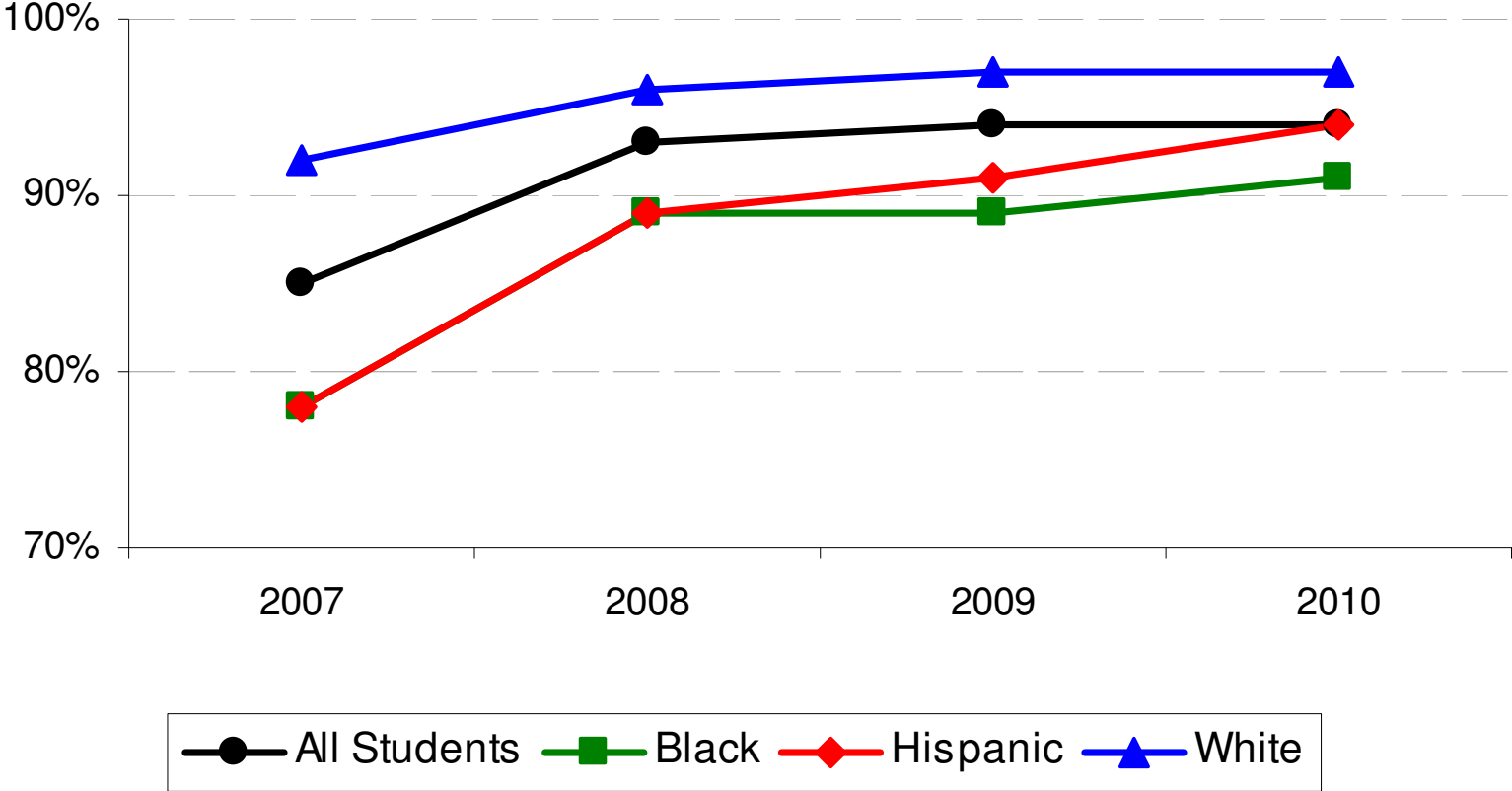
Source: Balfanz, R. (2007). Preventing Student Disengagement and Keeping Students on the Graduation Path in Urban Middle-Grades Schools: Early Identification and Effective Interventions.

Essential Building Blocks of High Performing States

- ✓ **Higher Standards**
- ✓ **Rigorous Curriculum**
- ✓ **Clear Accountability System**
- ✓ **Statewide Student Information System**
- ✓ **Leadership Training**

3rd Grade Reading Achievement in Georgia: Closing the Gaps

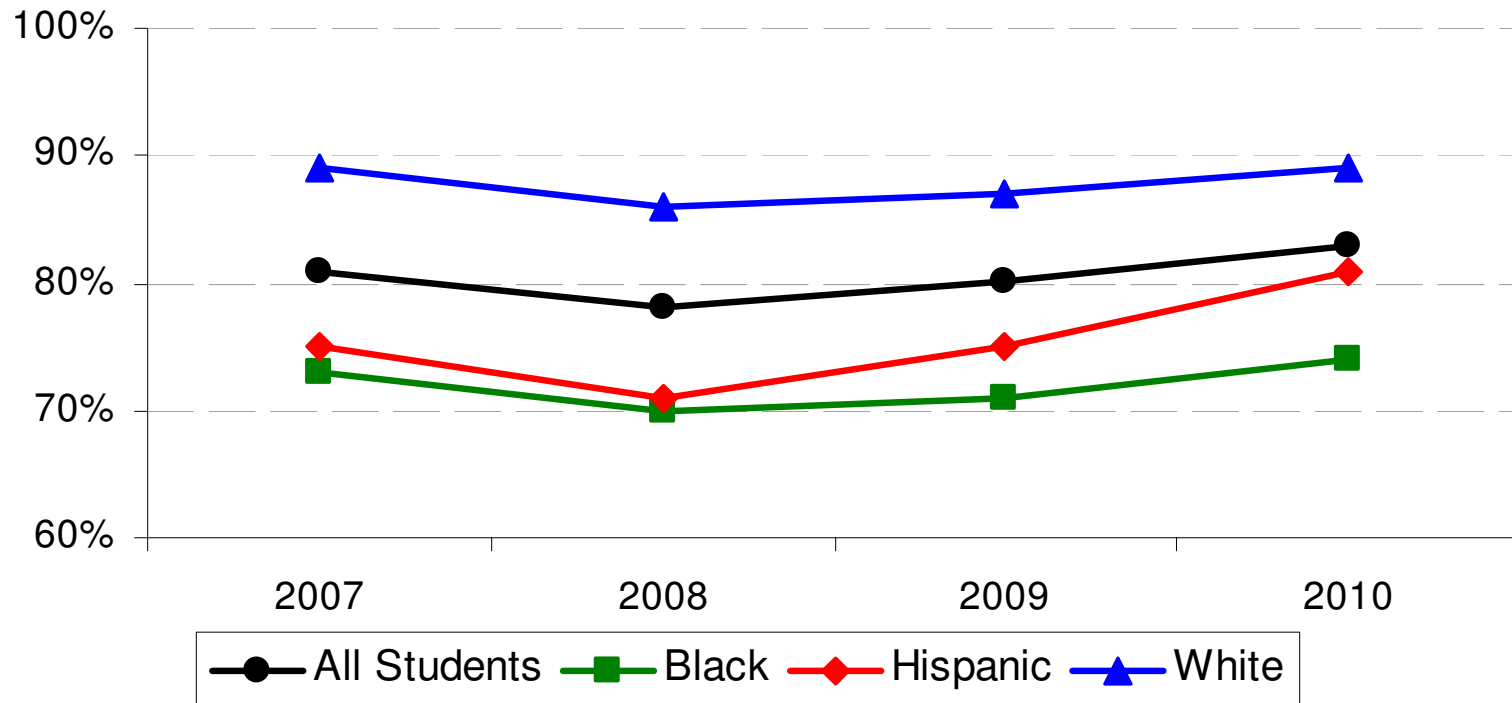
% of Students Meeting or Exceeding Standards



Source: Georgia Department of Education.

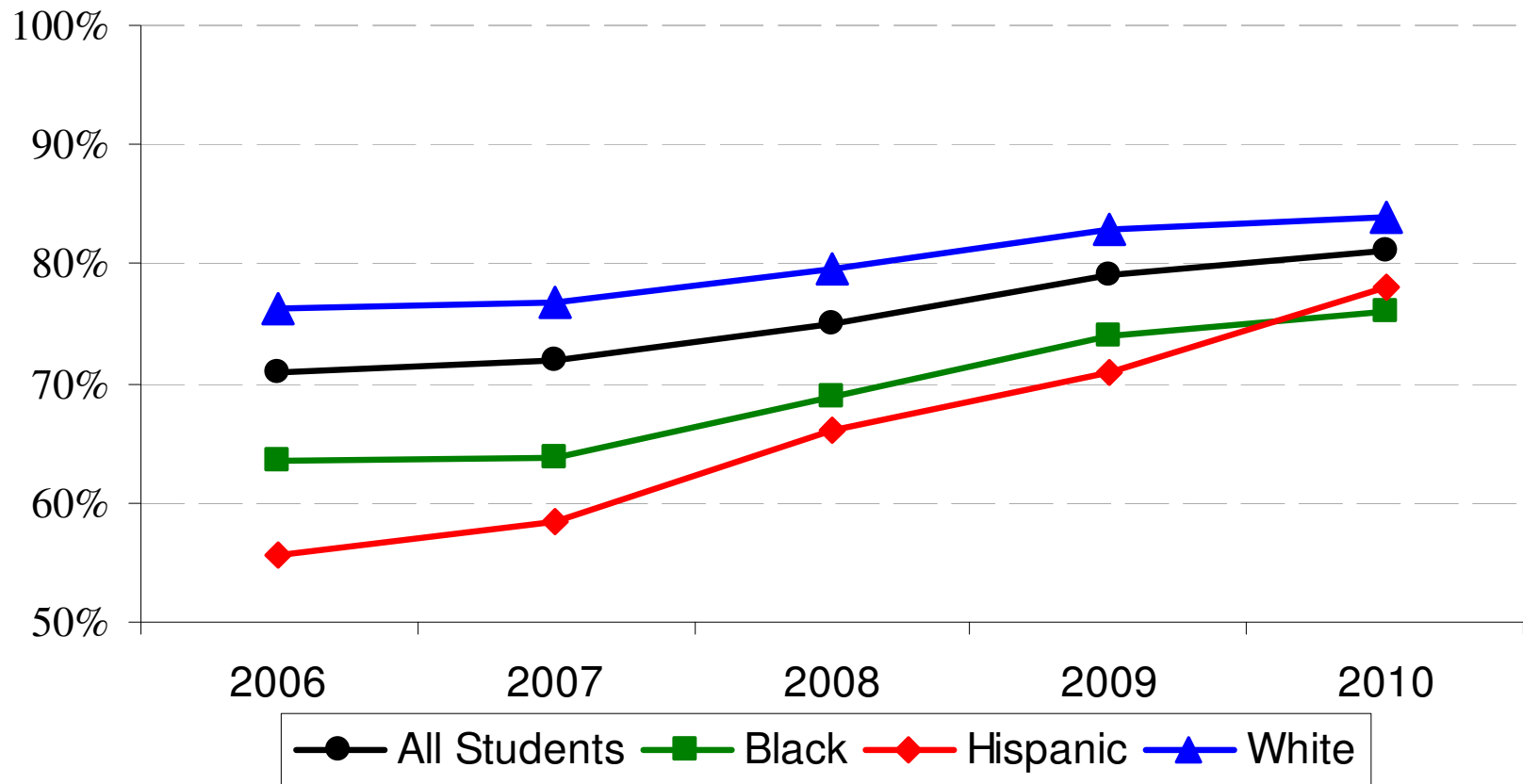
8th Grade Math Achievement in Georgia: Closing the Gaps

% of Students Meeting or Exceeding Standards



Source: Georgia Department of Education.

High School Graduation Rates in Georgia: Closing the Gaps



Source: Georgia Department of Education.

Strengthening the Birth to Work Pipeline



**KEY
ISSUE
#3**

Transitions to Work or College

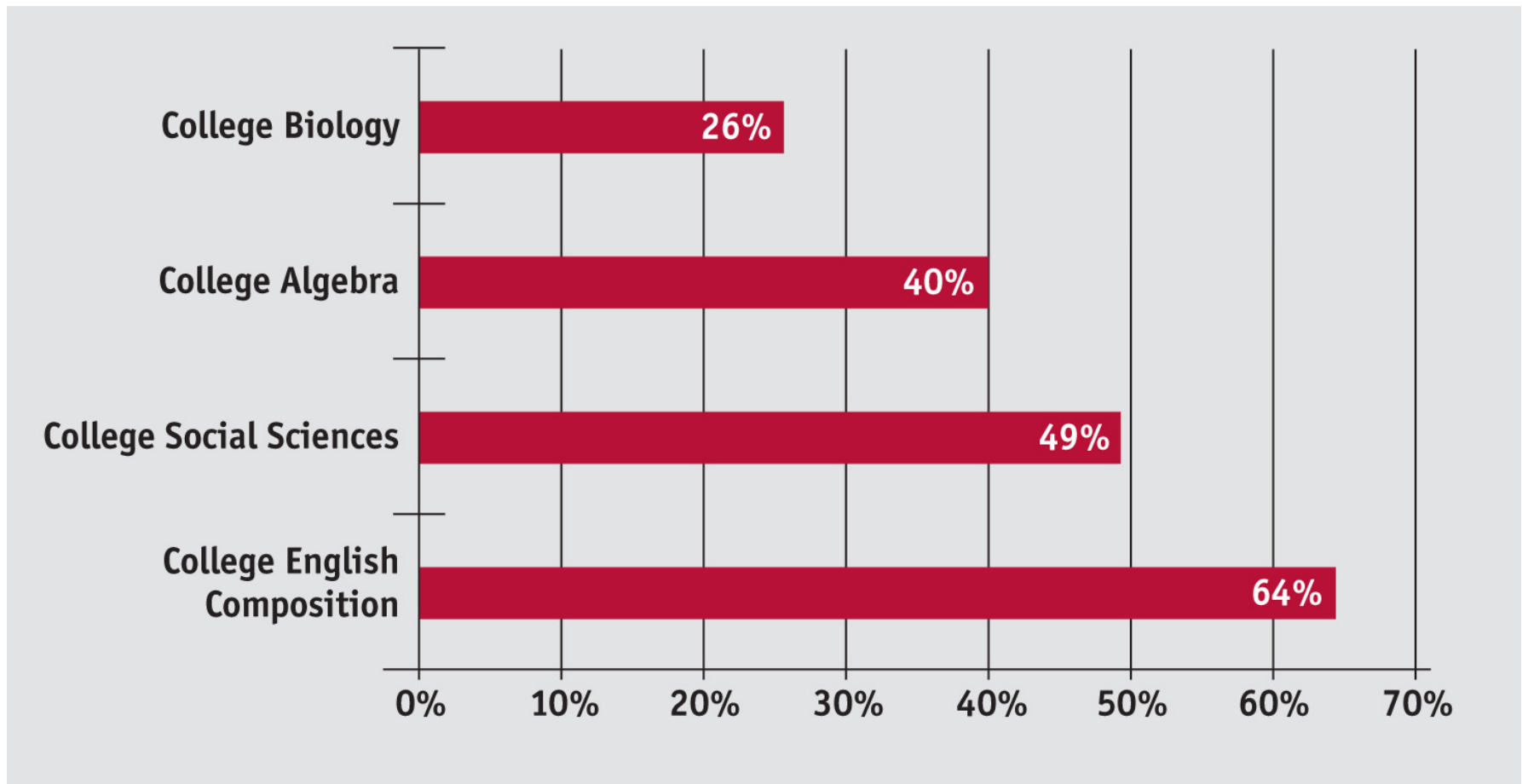
The Demands of America's New Economy

12 of the 20 fastest growing occupations require an associate degree or higher.

The number of jobs for workers with a bachelor's degree or higher will increase from 38 million in 2006 to 43 million by 2016 – a growth rate of nearly 15 percent.

Are They College Ready?

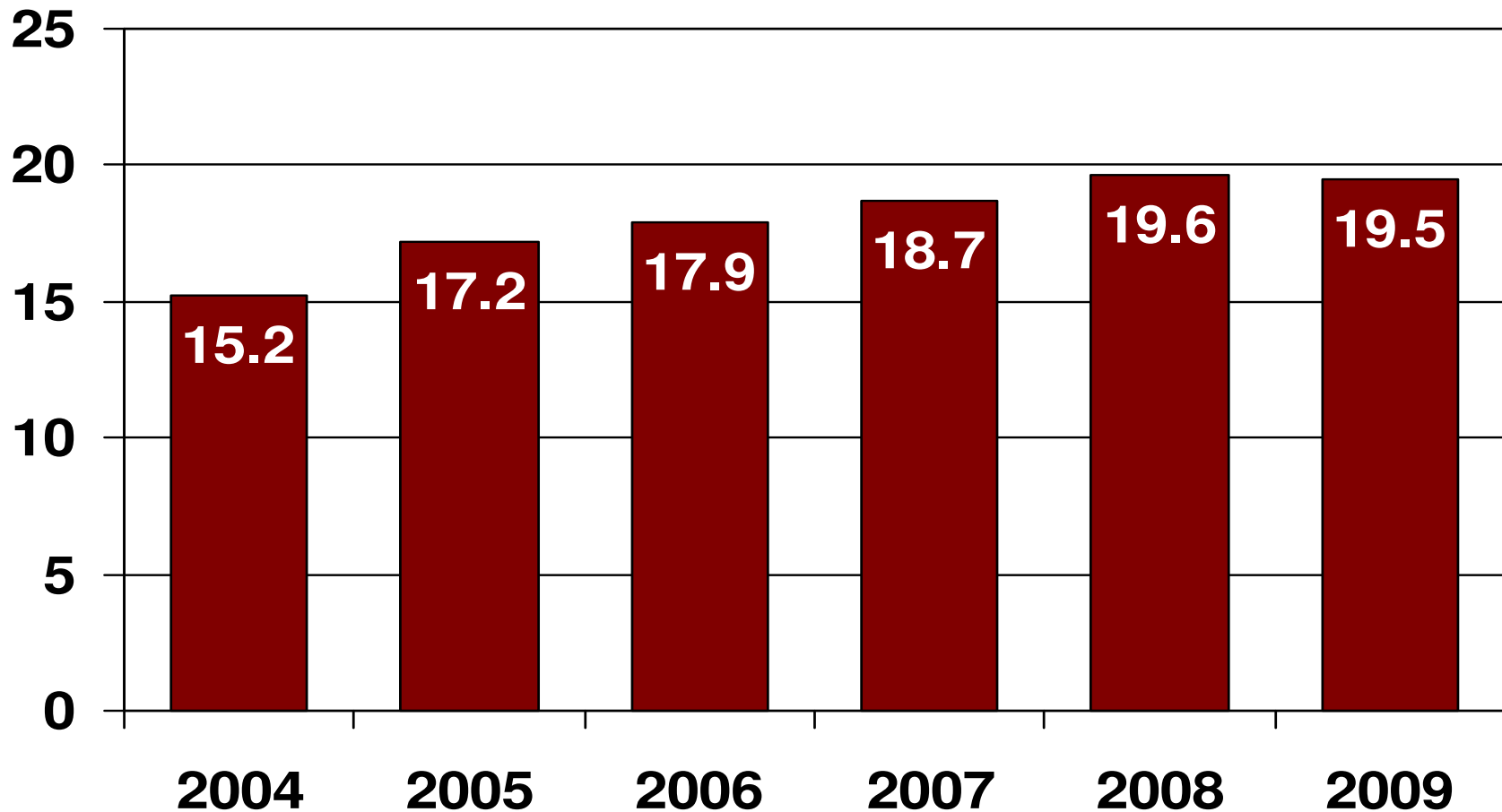
Percent of Georgia High School Graduates Prepared for College Courses



Source: ACT. "The Condition of College & Career Readiness: Class of 2010."

Remediation Among College Freshmen

Percent of 1st-time Freshmen in Georgia's Public Colleges & Universities Requiring Learning Support



Source: University System of Georgia



What Can We Do?

Improving the Pipeline: Low Birth Weight in 2009

	Henry County	Georgia
Total # of births	2,608	141,332
# of low weight births	212	13,412
low birth weight rate	8.1%	9.5%

GOAL: Reduce the number of low birth weight babies by 10 percent in Henry County.

RESULT: 23 healthier babies!

Source: Georgia Department of Community Health. Georgia Partnership Calculation.

Improving the Pipeline: High School Graduation in 2010

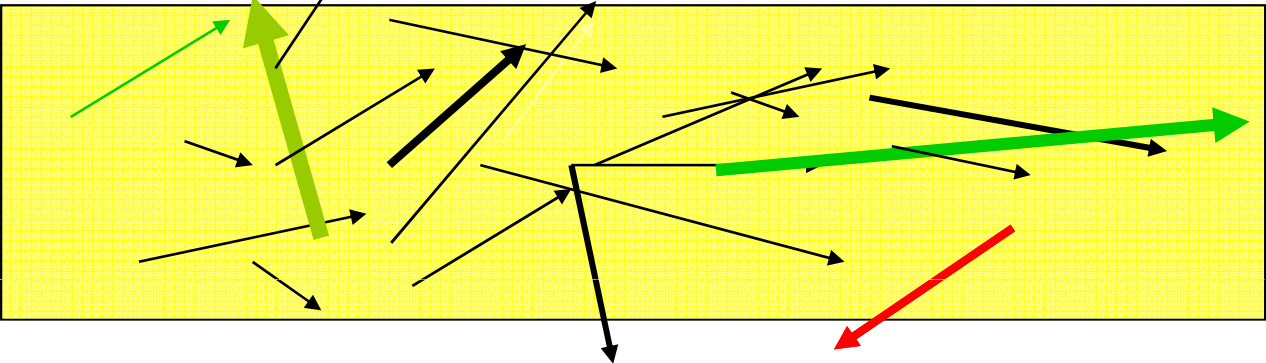
	Henry County	Georgia
Total # of Graduates	2,830	91,561
Graduation Rate	90.6%	80.8%

GOAL: Improve the number of graduates by 10 percent in Henry County.

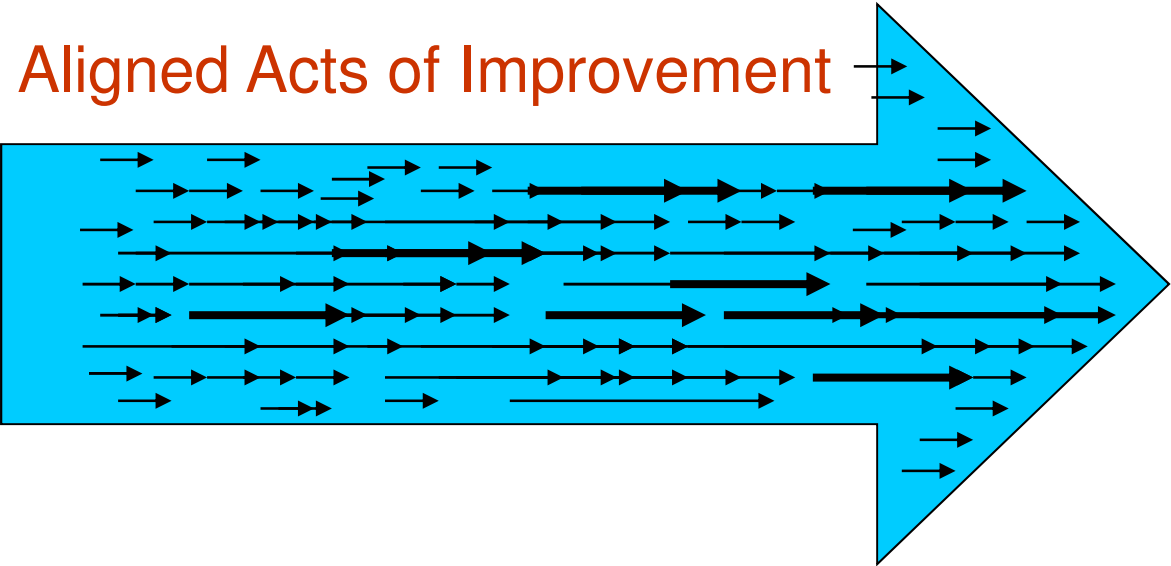
RESULT: 257 more high school graduates!

Aligning Educational Strategies

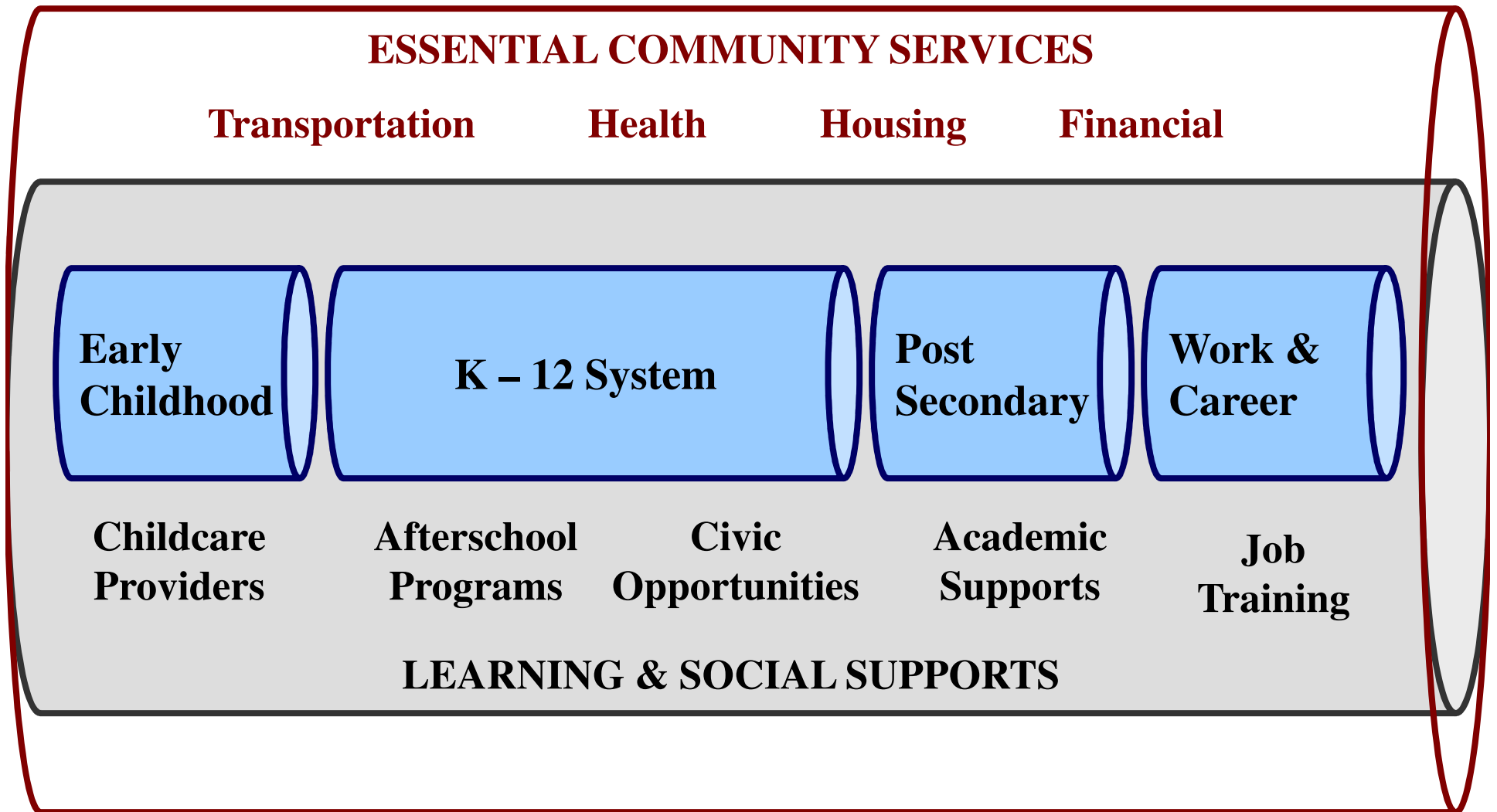
Random Acts of Improvement



Aligned Acts of Improvement



How Will You Insulate the Birth to Work Pipeline?





**GEORGIA PARTNERSHIP
FOR EXCELLENCE IN EDUCATION**

233 Peachtree Street, Suite 2000

Atlanta, Georgia 30303

404-223-2280 www.gpee.org