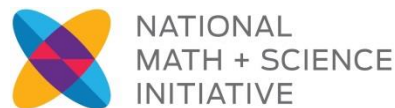




Announcement of Cohort 8 2014 Performance Report New Longitudinal Research

Kentucky Board of Education Meeting
February 4, 2015





NATIONAL
MATH + SCIENCE
INITIATIVE

The NMSI AP* College Readiness Program supports improvements in earning qualifying scores (QS) of 3, 4 or 5 (on a 5-point scale) on national AP Math, Science and English exams, which may earn college credit.



Elements of Success



* Advanced Placement, AP and Pre-AP are registered trademarks of College Board.



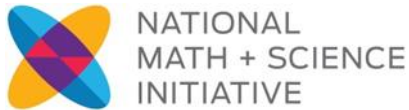
NATIONAL
MATH + SCIENCE
INITIATIVE

KENTUCKY
SCIENCE & TECHNOLOGY
CORPORATION

KSTC

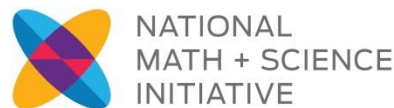
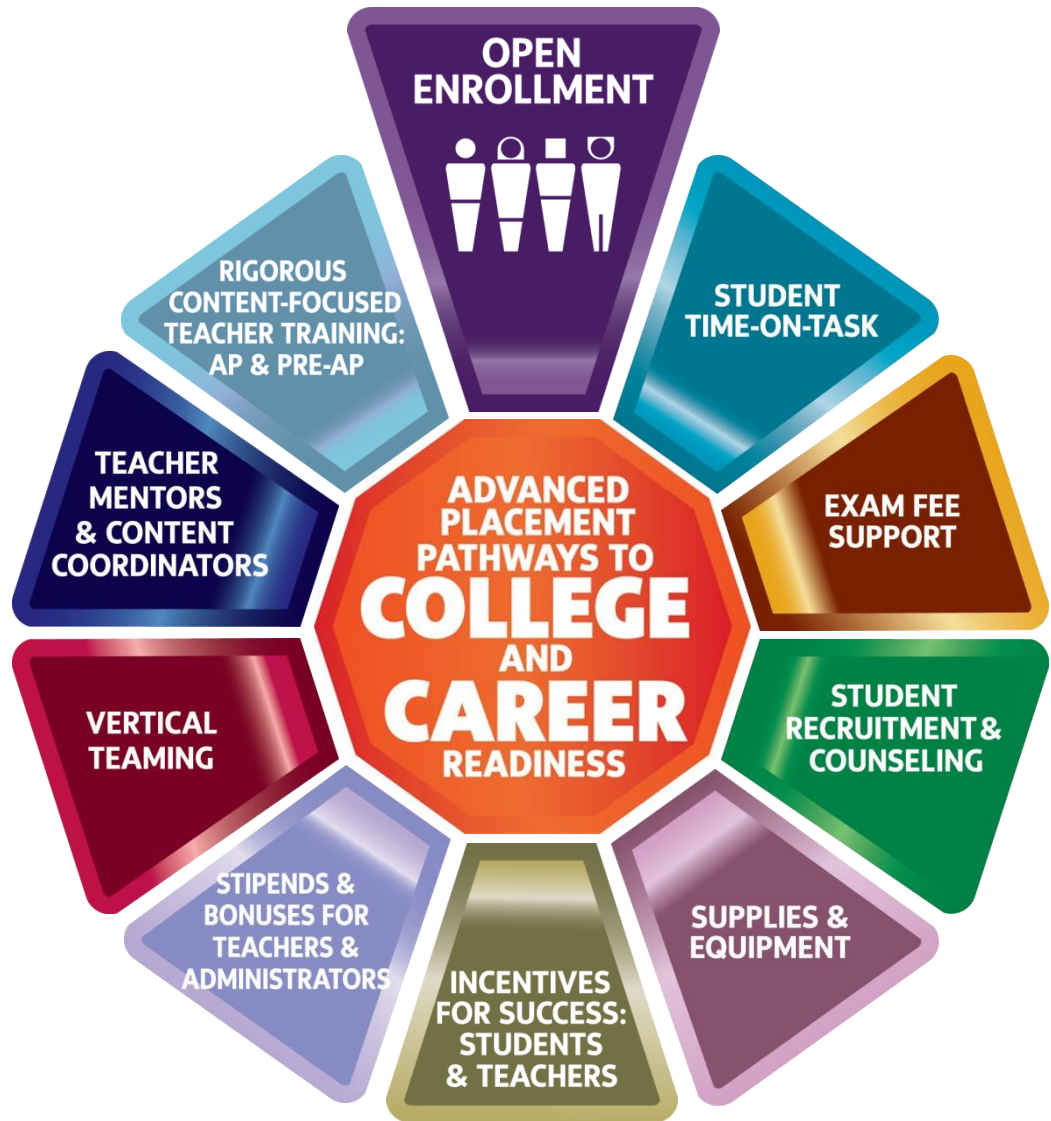


Elements of Success



NMSI AP* College Readiness Program

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New Cohort 8 Schools

Total Enrollment 8,700

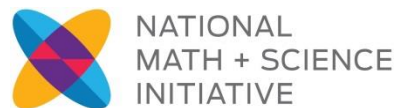
54% Low Income

25% Minority

Projected APMSE
Enrollments 6,500

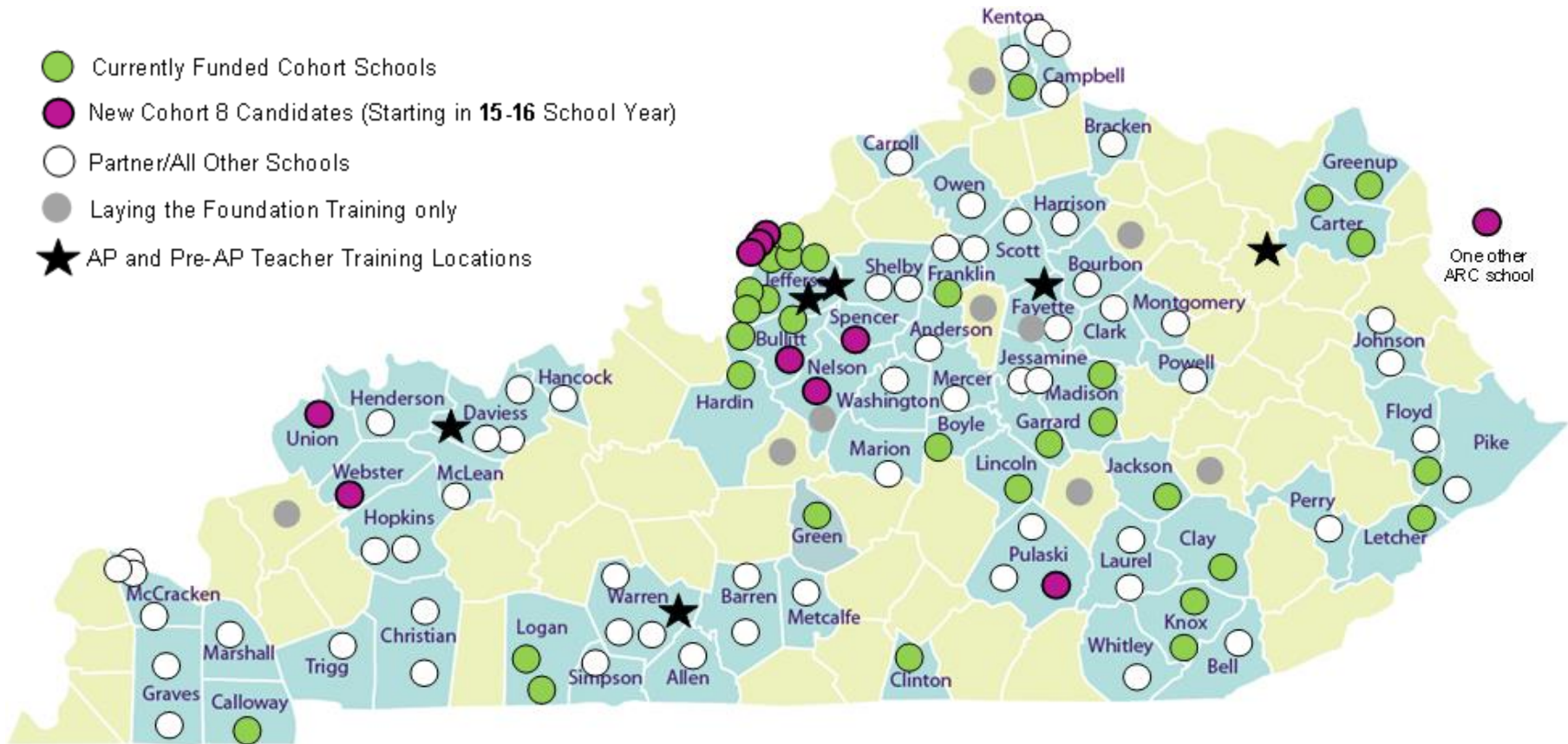
Participating High Schools

- Bardstown Independent
- Bullitt East
- Jefferson County
 - Doss
 - Jeffersontown
 - Pleasure Ridge Park
- Somerset Independent
- Spencer County
- Union County
- Webster County



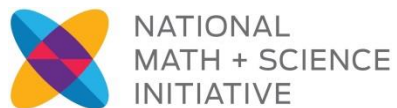
Participating High Schools

- Currently Funded Cohort Schools
- New Cohort 8 Candidates (Starting in **15-16** School Year)
- Partner/All Other Schools
- Laying the Foundation Training only
- ★ AP and Pre-AP Teacher Training Locations





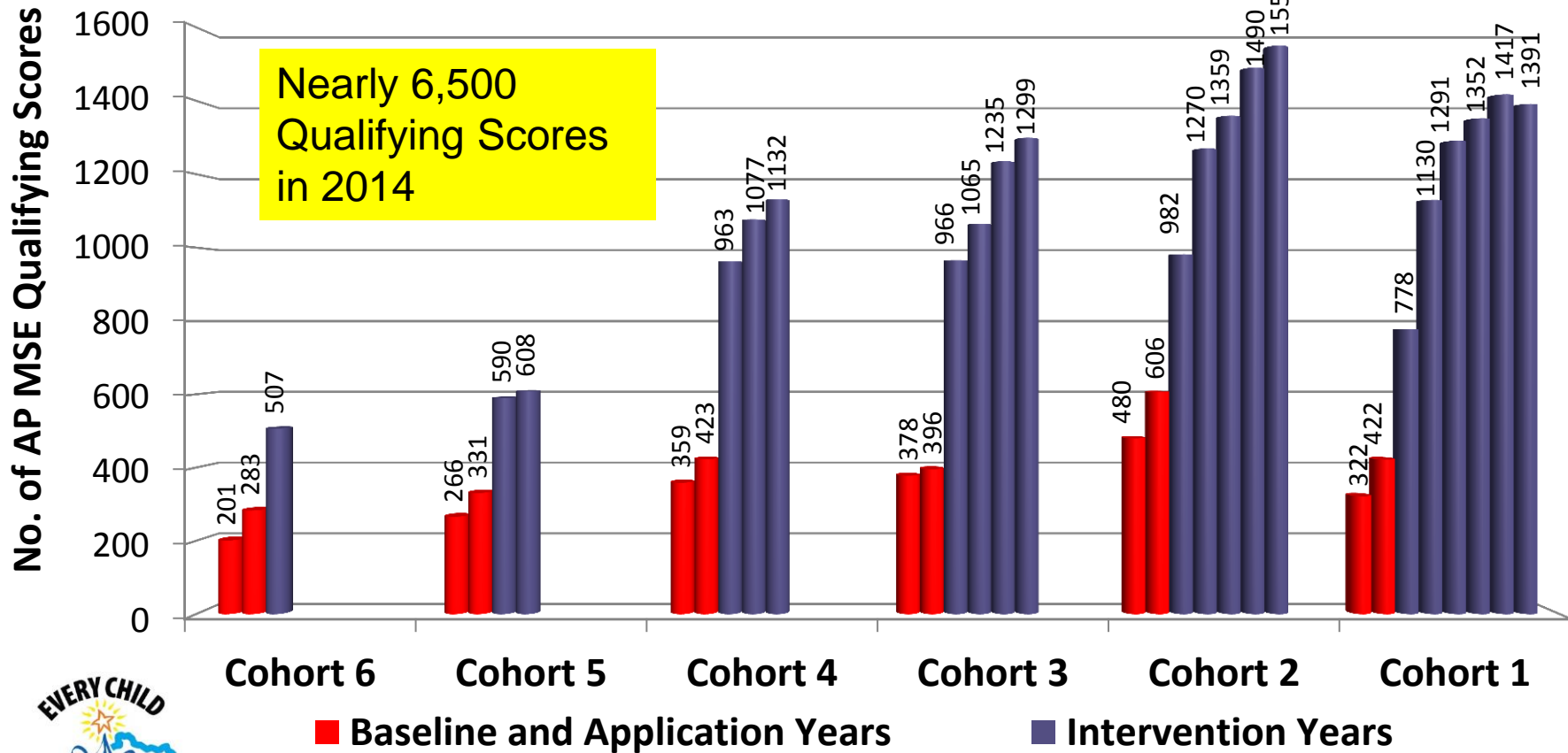
PERFORMANCE Reports



Annual Performance

Number of AP Qualifying Scores
by Cohort Per Year in the Program

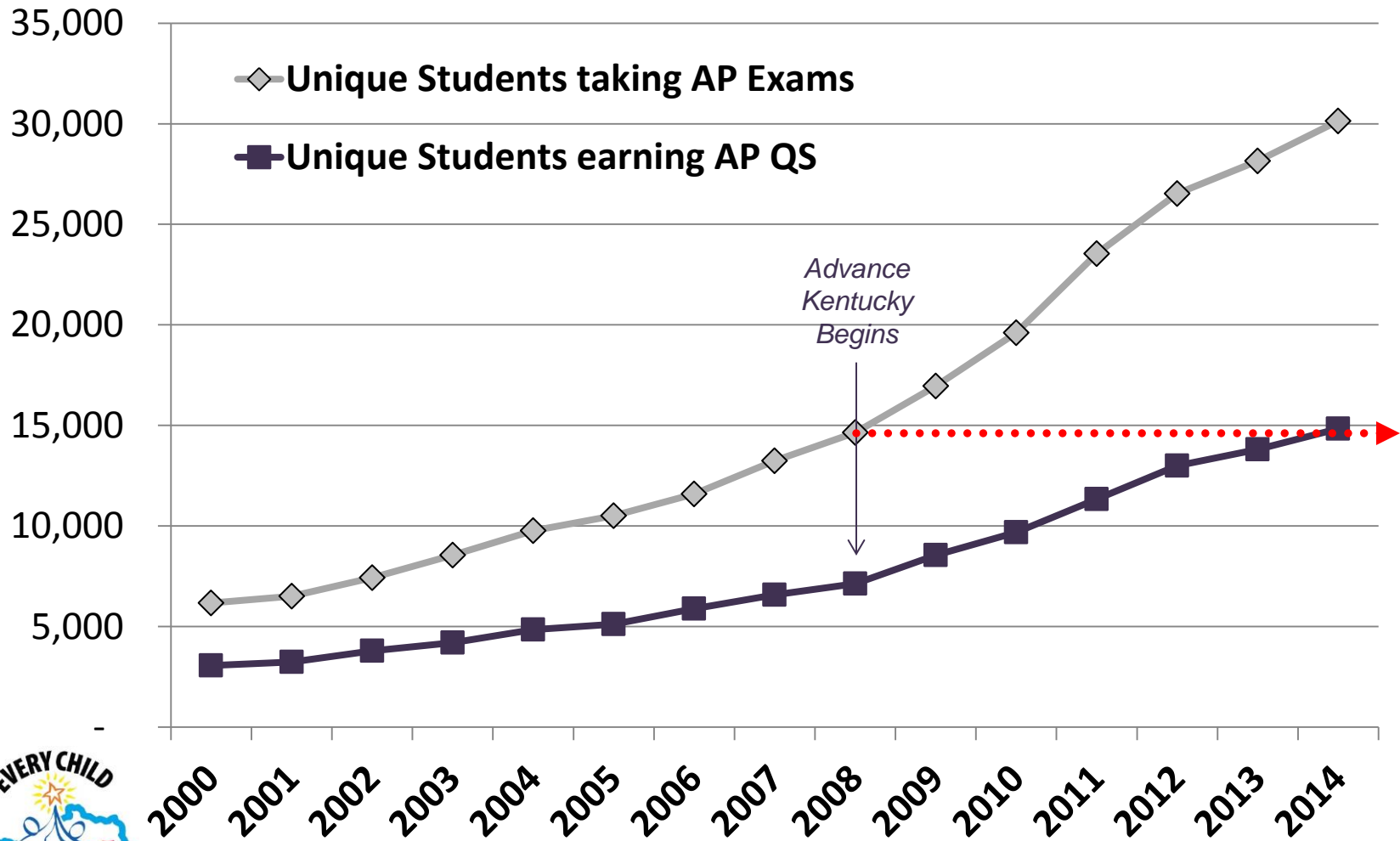
* Math, Science and English



Source: College Board

Unique AP Students in KY

In 2014, more individual students earned AP qualifying scores than took AP exams in 2008

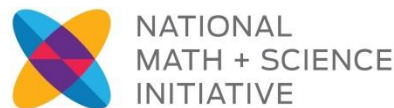




LONGITUDINAL Research

2014 Report* on AdvanceKentucky Students vs. Control Group and vs. Comparison Group

* Research provided by Kentucky Center for Education and Workforce Statistics



LONGITUDINAL Research

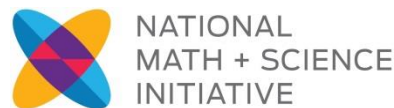
- *Experimental Group*
 - **2012** High School Graduates
 - From AdvanceKY schools who took AP MSE classes
- *Control Group*
 - **All other 2012** High School Graduates
 - with average Explore scores within ± 1 standard deviation of students in Experimental Group

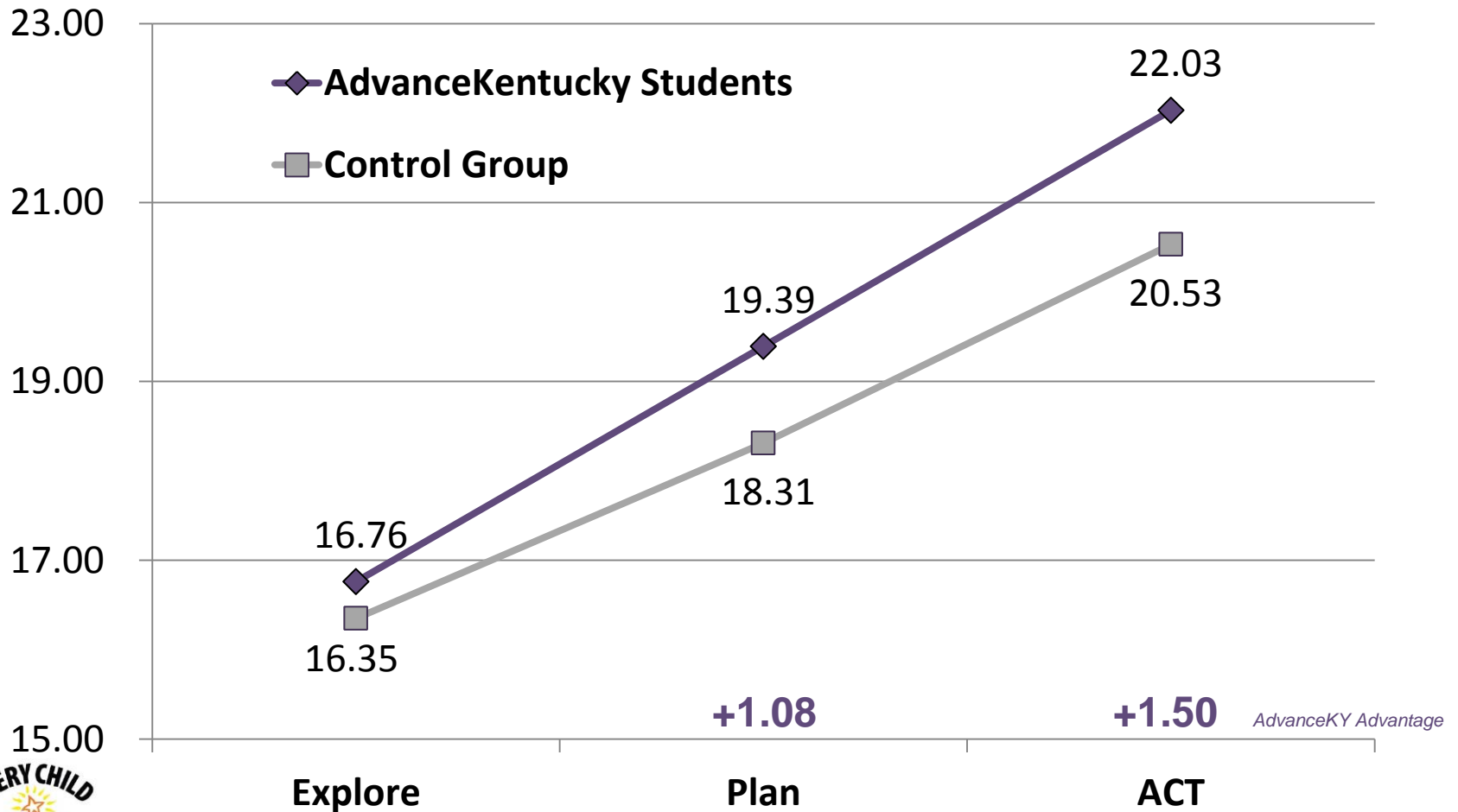


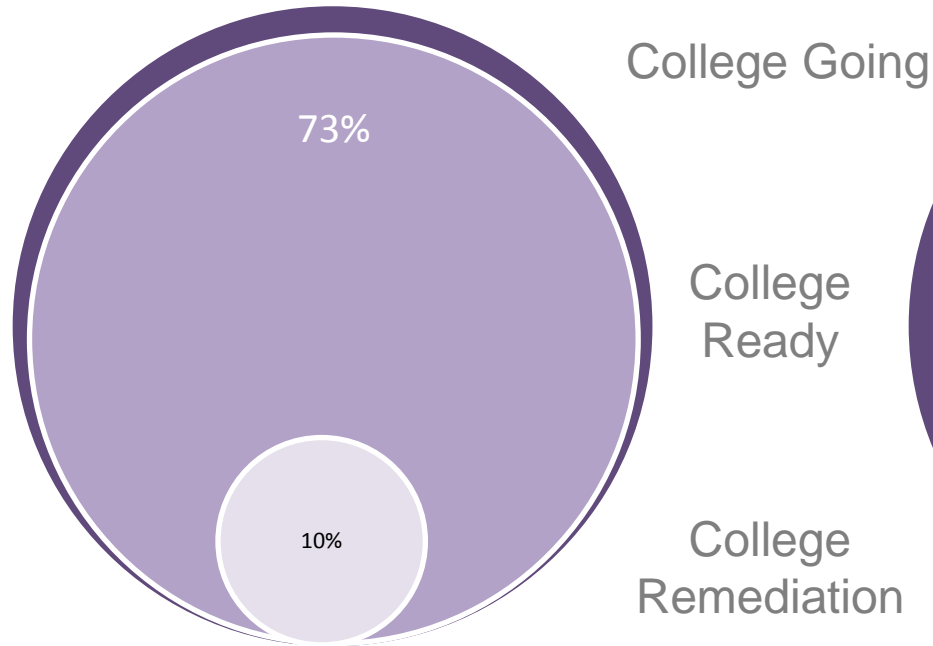
LONGITUDINAL Research

Comparison Groups

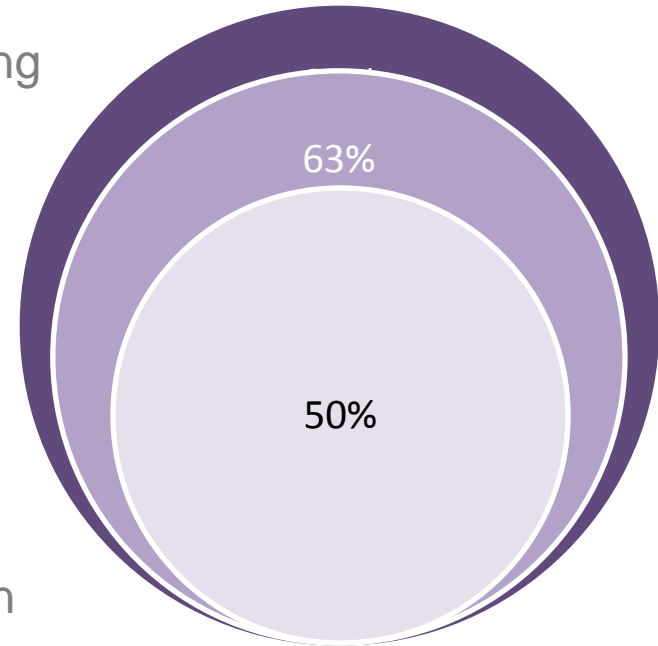
- *AdvanceKentucky Students*
 - **2009** High School Graduates from AdvanceKY schools
- *Non-AdvanceKentucky Students*
 - All other **2009** High School Graduates





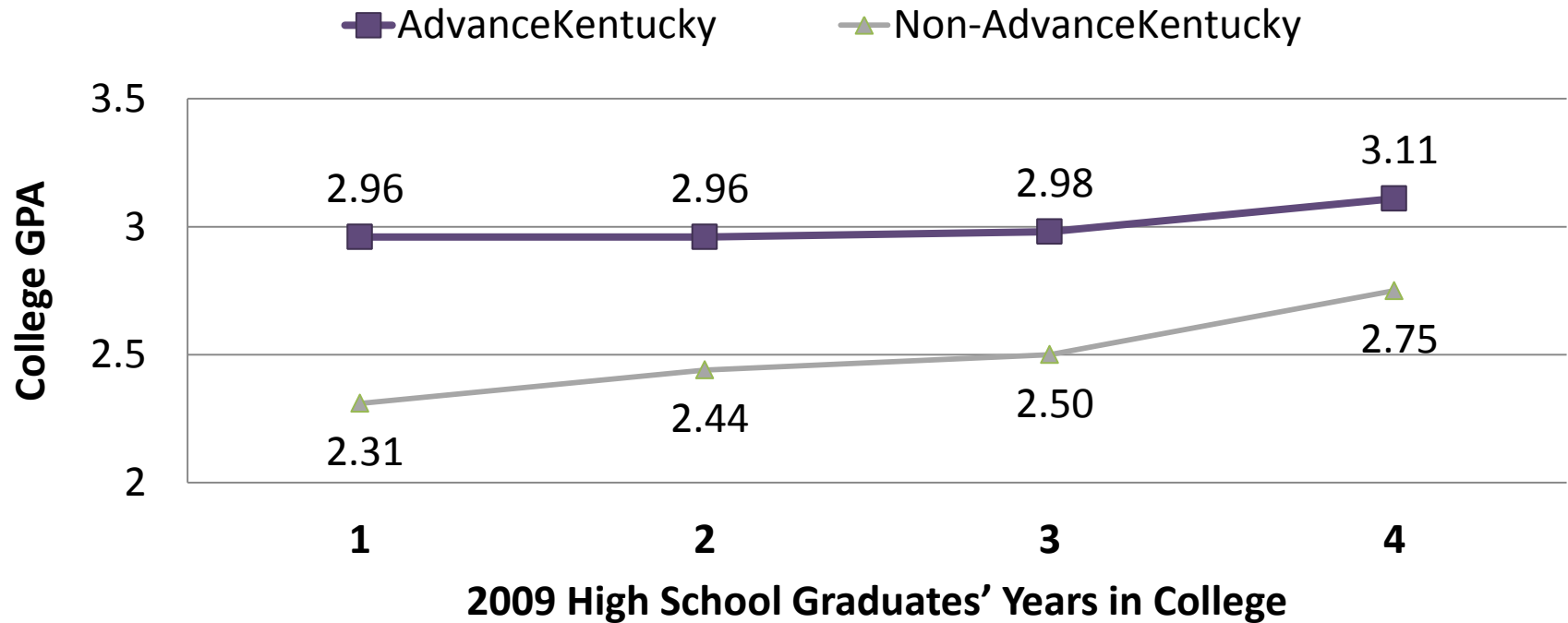


AdvanceKentucky



Control Group

College GPAs by Year



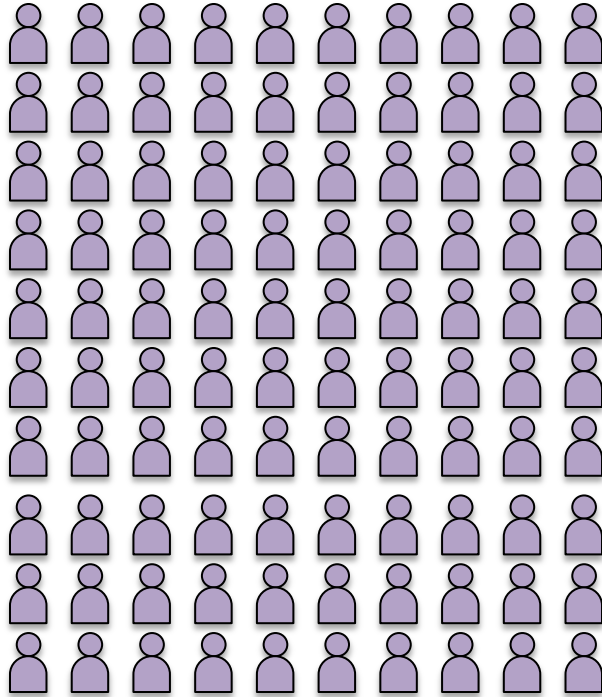


Longitudinal Research – Comparison Group

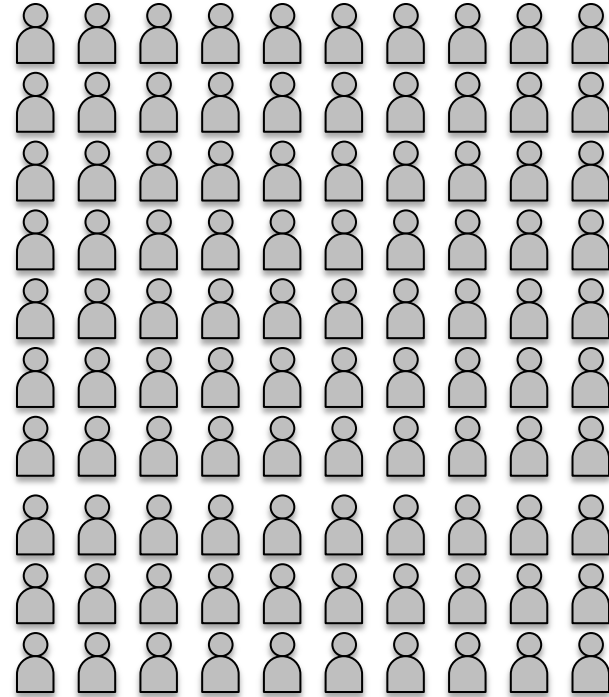
College Persistence and 4-Year Graduation

CLASS OF 2009

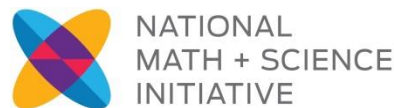
Among all College Going...



AdvanceKentucky



Comparison Group

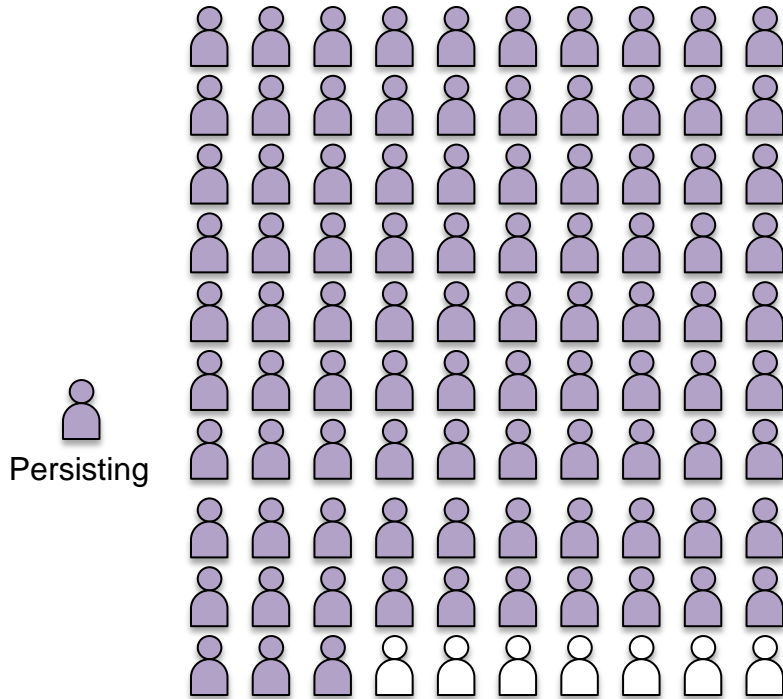


Longitudinal Research – Comparison Group

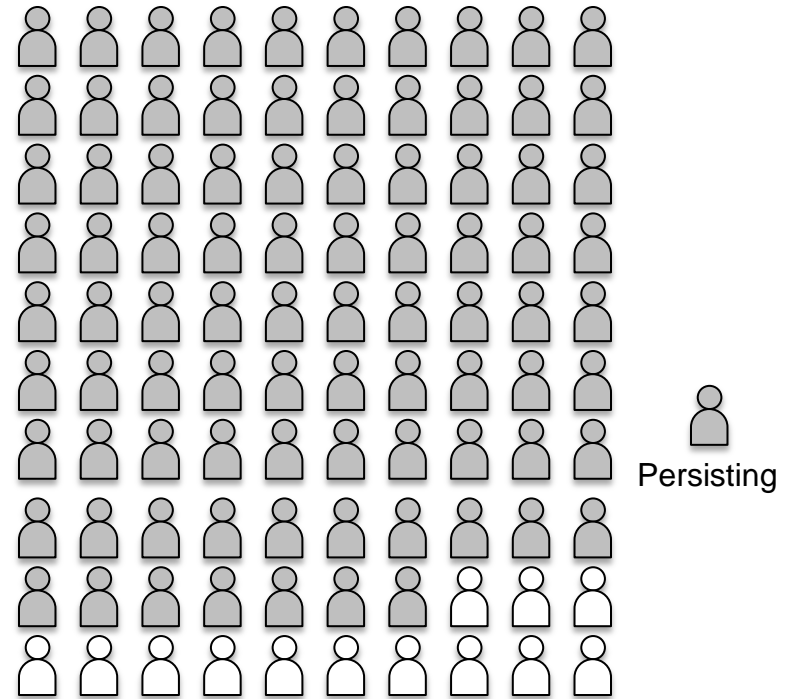
College Persistence and 4-Year Graduation

CLASS OF 2009

% Persisting to Year 2 in College



AdvanceKentucky
93%



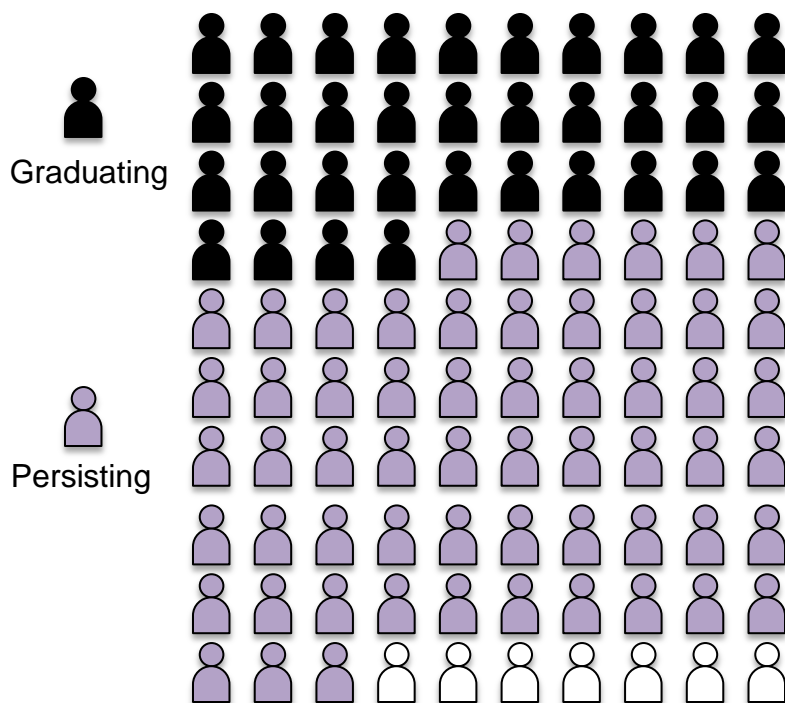
Comparison Group
87%

Longitudinal Research – Comparison Group

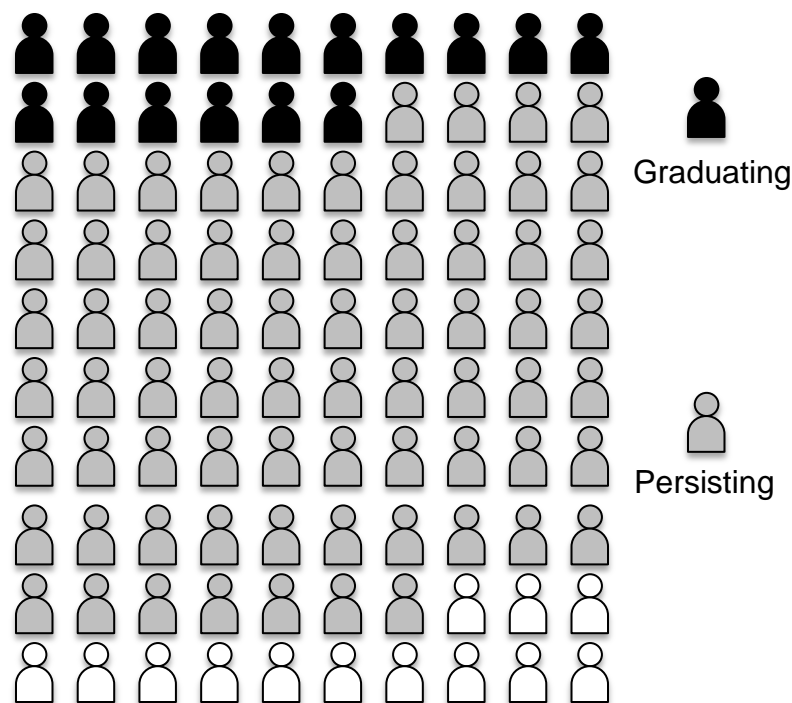
College Persistence and 4-Year Graduation

CLASS OF 2009

% Graduating in 4 Years

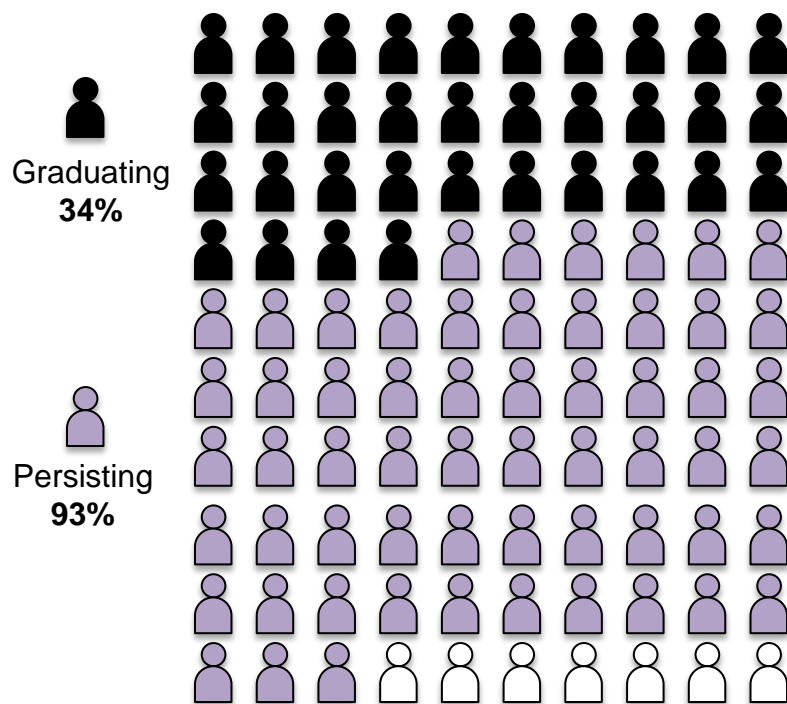


AdvanceKentucky
34%

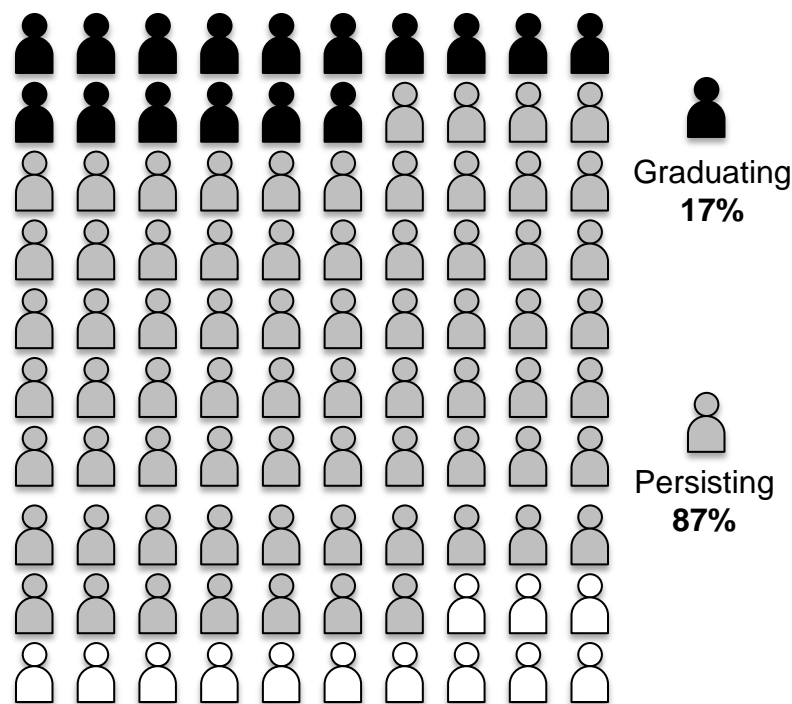


Comparison Group
17%

Percent of College-Going Students
Persisting to Year 2 and Graduating in 4 Years



AdvanceKentucky



Comparison Group



LONGITUDINAL Research

In summary, AdvanceKentucky Students...

vs. CONTROL GROUP (class of 2012)

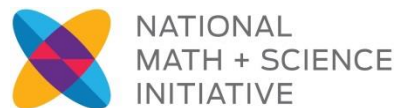
- Enjoy a 1.5-point advantage on average **ACT** scores
- Achieved a 10%-point advantage in **College-Career Readiness**
- Enroll in **remedial** classes in college at a substantially lower rate

vs. COMPARISON GROUP (class of 2009)

- Earn higher **GPA**s each year in college
- **Persist** to year 2 in college at higher rates
- Graduate from college in **four years** at twice the rate



The control group is comprised of 2012 High School Graduates that earned average
Explore scores within plus/minus 1 standard deviation of AdvanceKentucky students.





www.advanceky.com

