

Measuring the Post-Secondary Success of High School Graduates

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SESRC: Background

- SESRC is an independent research organization within Washington State University
- We are the directors of the State's High School Graduate Follow up Study and the College Enrollment Study
- SESRC has 10 years of experience conducting transcript studies for districts and analyzing the relationship between courses and grades and post high school outcomes (employment and college)

Data Sources

- High school demographic information
- Higher education enrollment data from the Student Clearinghouse and the Graduate Follow up Study
- Employment data from the Graduate Follow up Study
- Enrollment and transcript data from local community and technical colleges

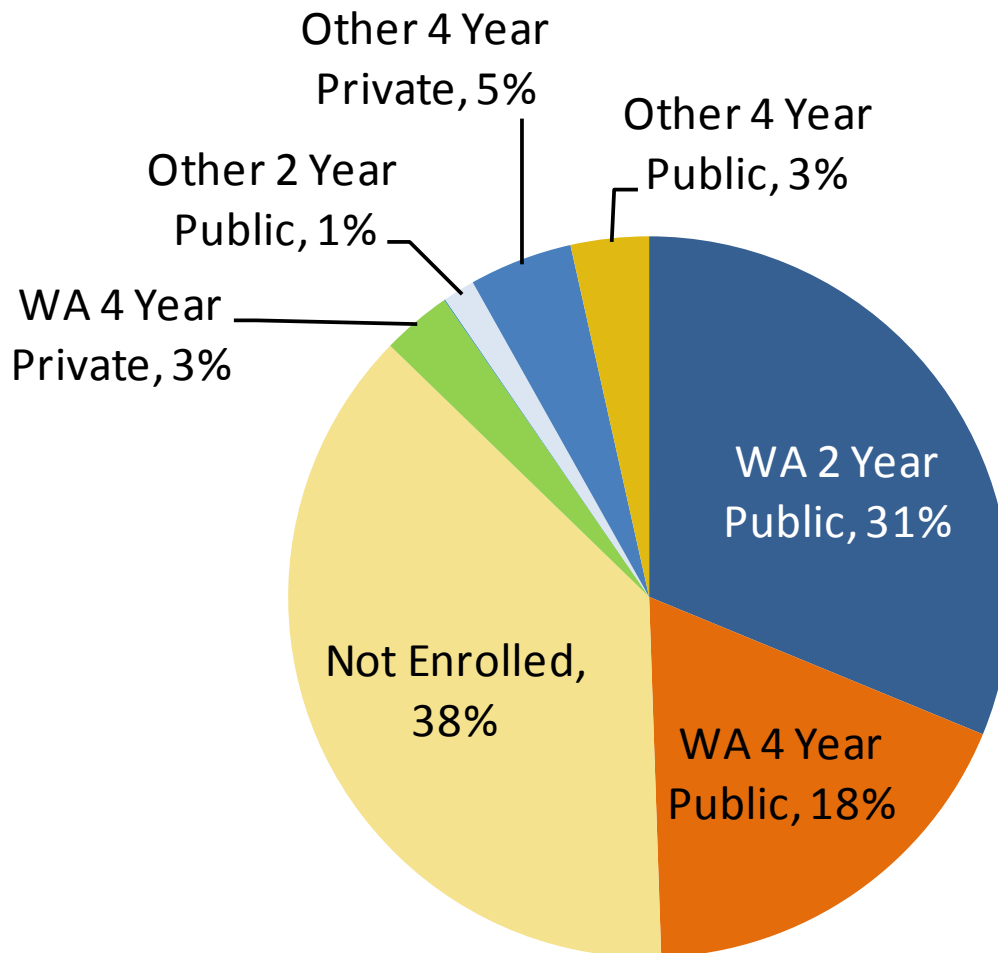
Comparing GFS and CES

	Graduate Follow up Study (GFS)	College Enrollment Study (CES)
Graduates Included	Only those with SSNs (60% statewide)	All Graduates
Employment	NW States	None
College Enrollment	NW States, Public Only	Nationwide, Public & Private
Data Source	Employment Security, Public Colleges	National Student Clearinghouse
Match Protocol	SSN only	Name & Date of Birth

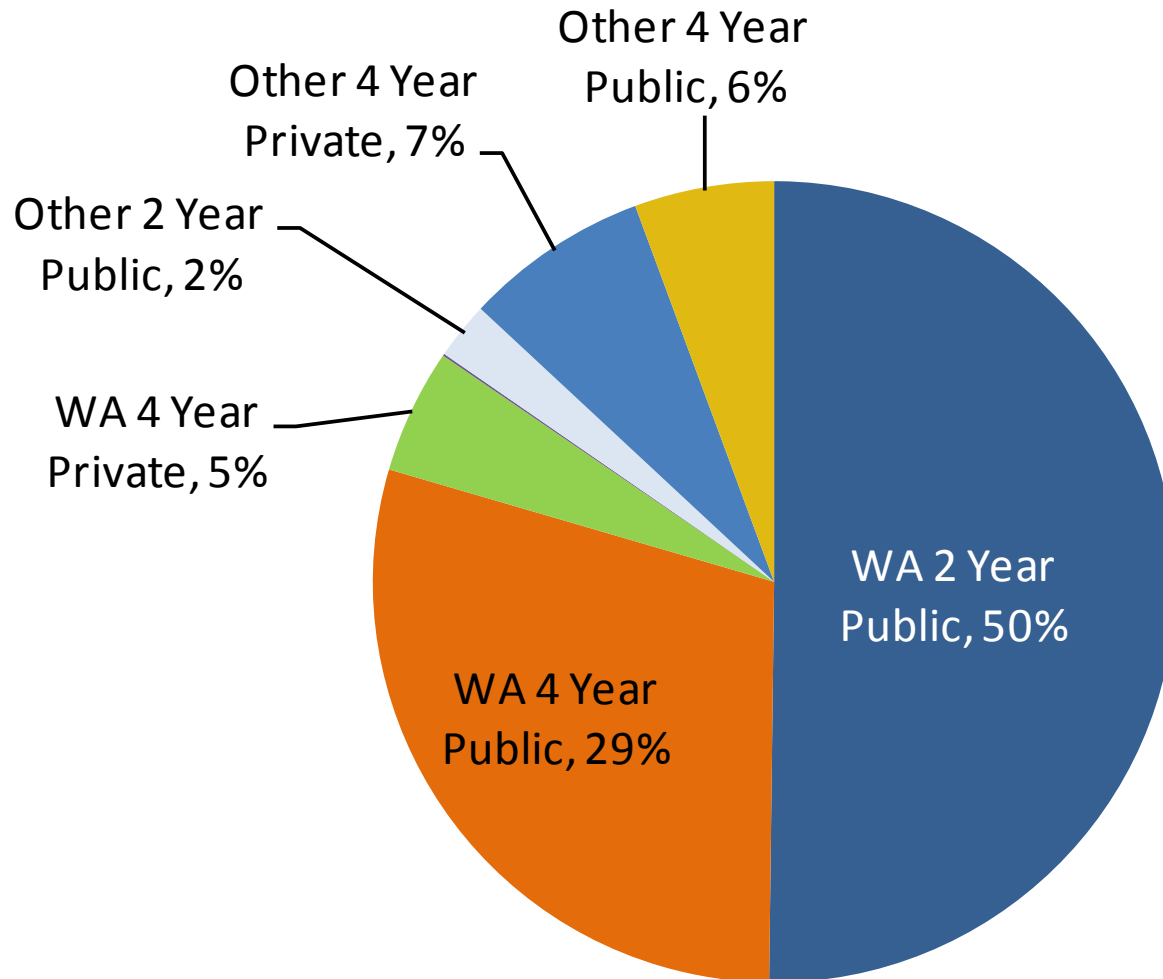
College Enrollment and Persistence Definitions

- A student is considered “enrolled in college” if he or she took at least one course in the academic year starting in July and ending in June.
- Being “enrolled” does not mean the student was enrolled full-time in college nor that they attended college for more than one academic quarter.

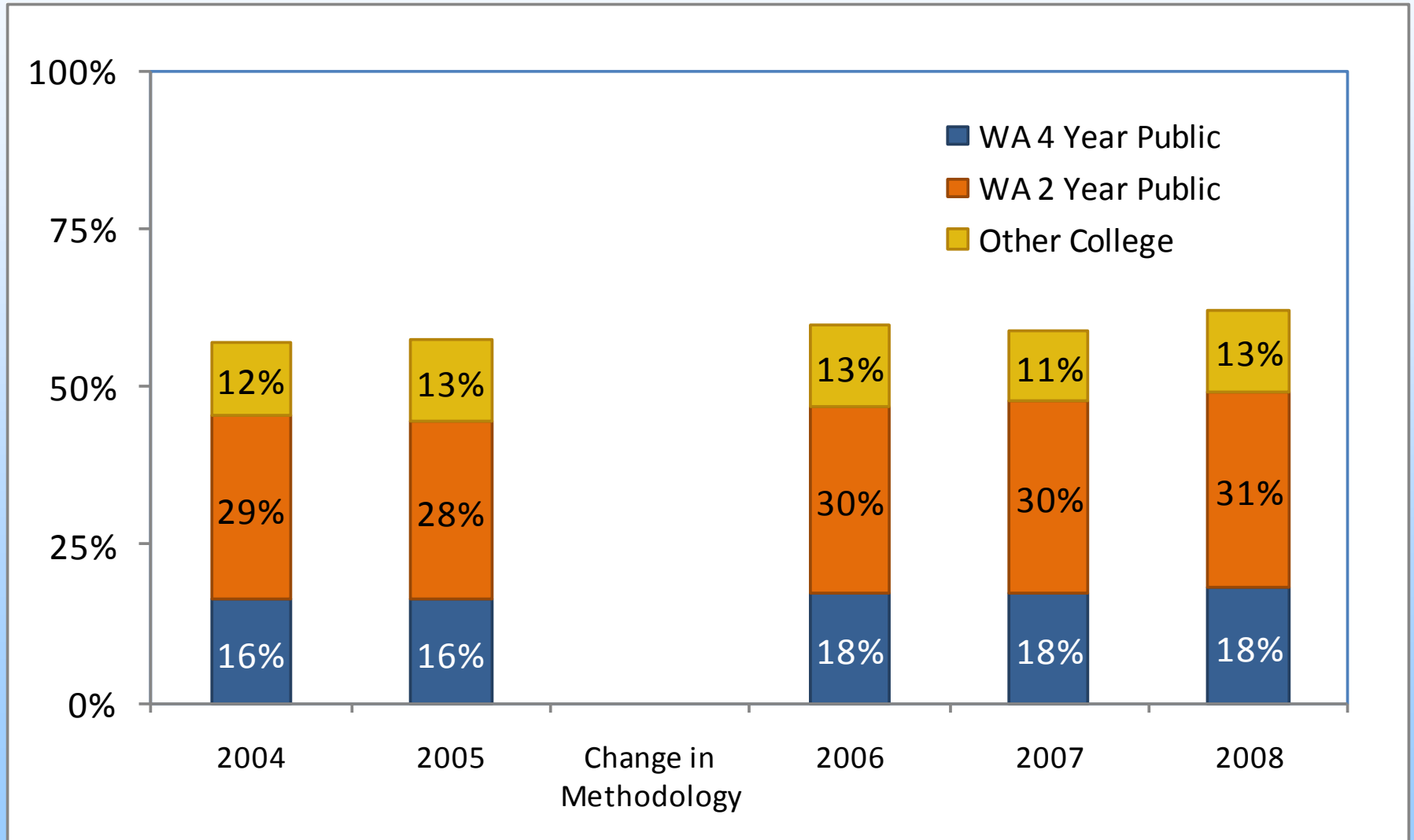
College Attendance: All Graduates, Class of 2008



College Attendance: Of Those Attending College

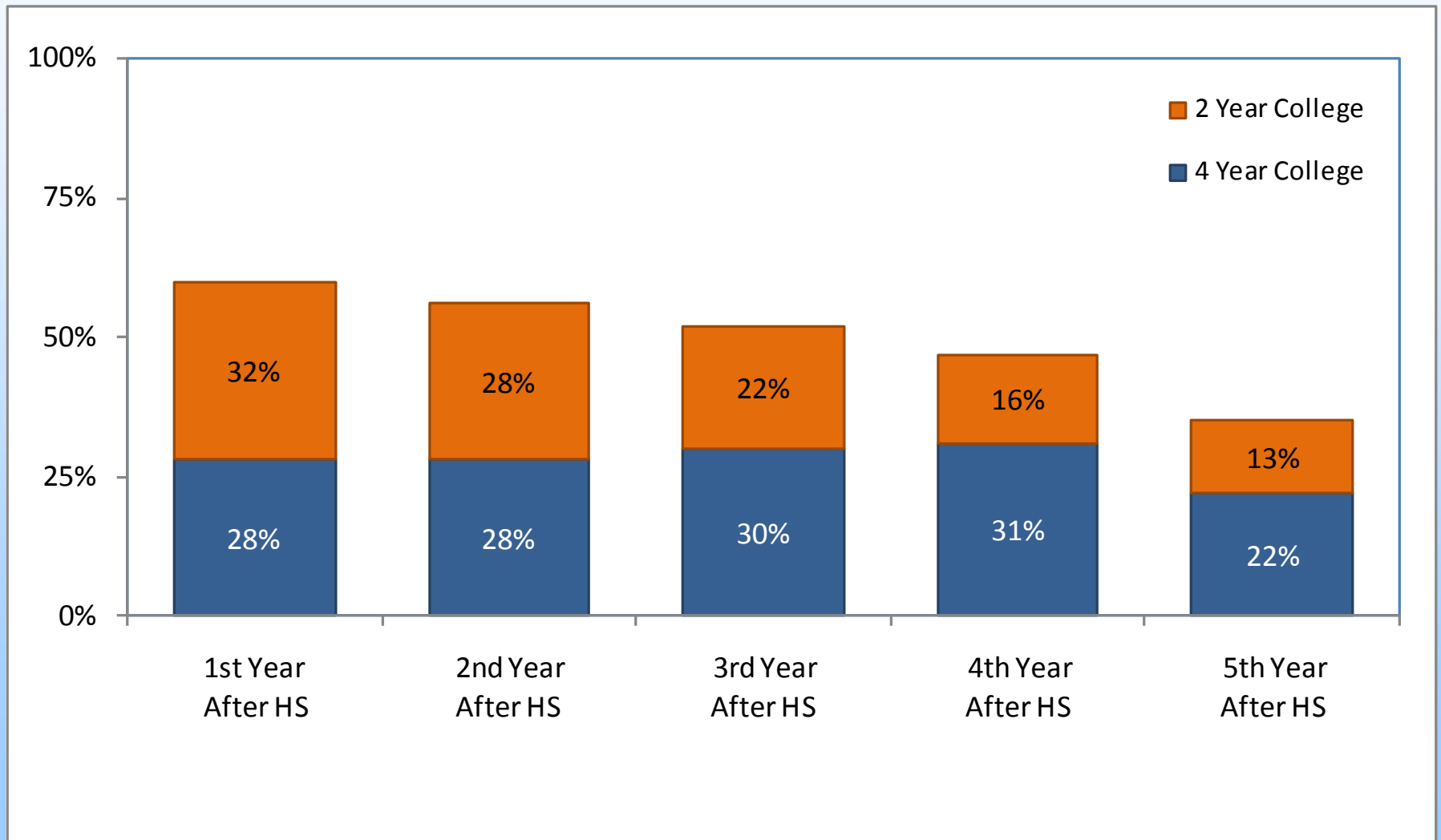


College Enrollment Rates for Graduates of 2004-2008

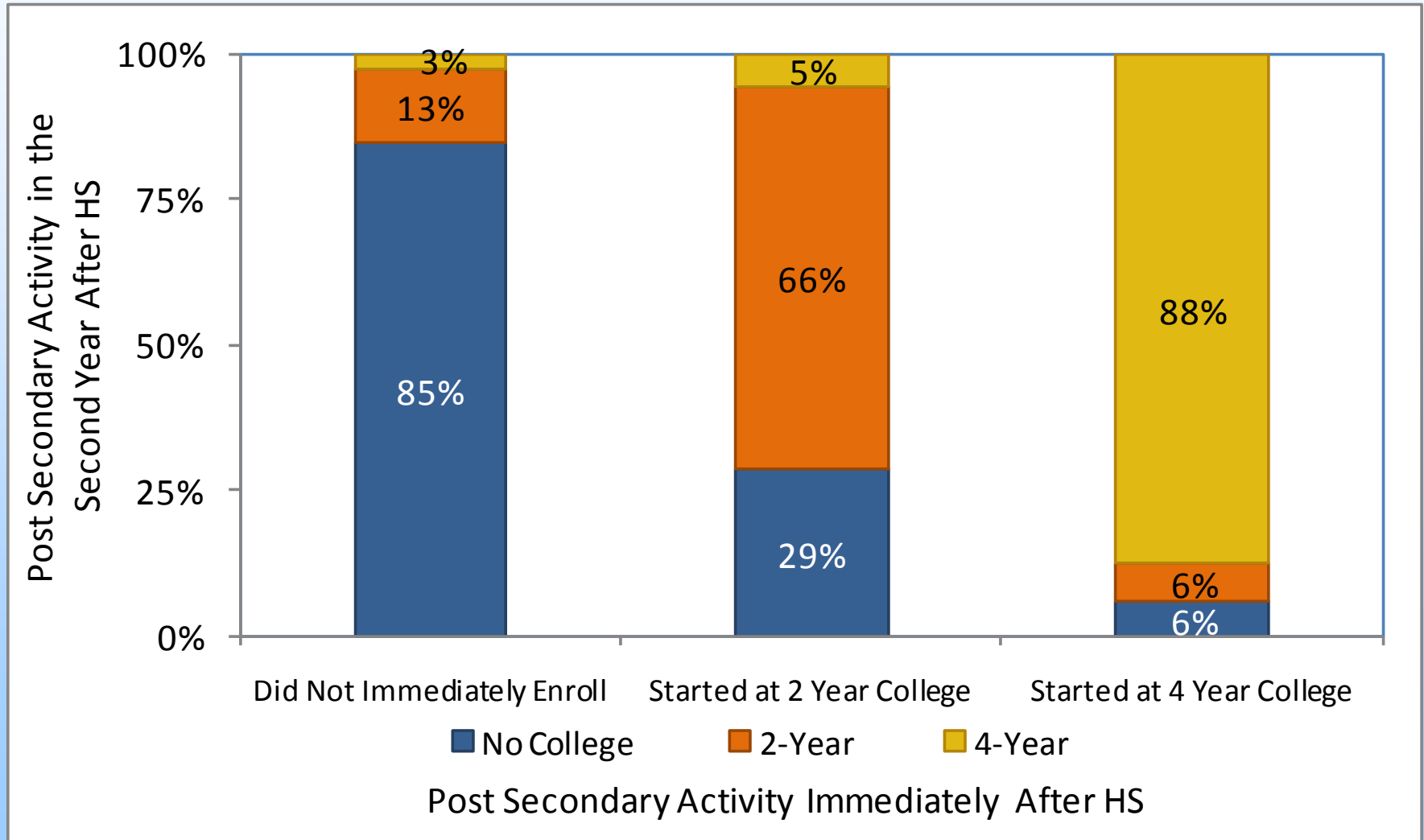


College Enrollments Over Time

Class of 2003



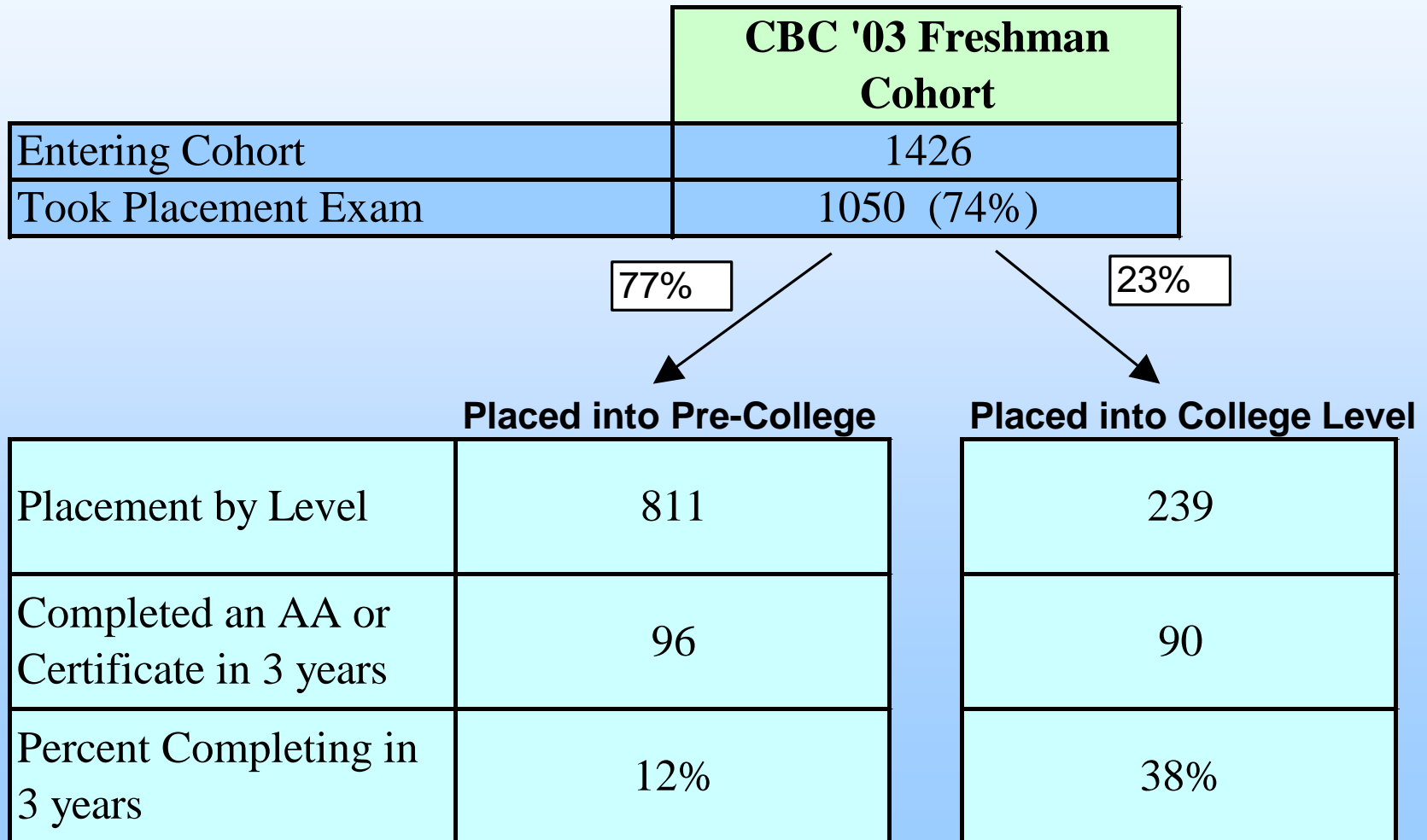
Persistence in College, Class of 2006



Remedial Math and English Enrollments – Definitions

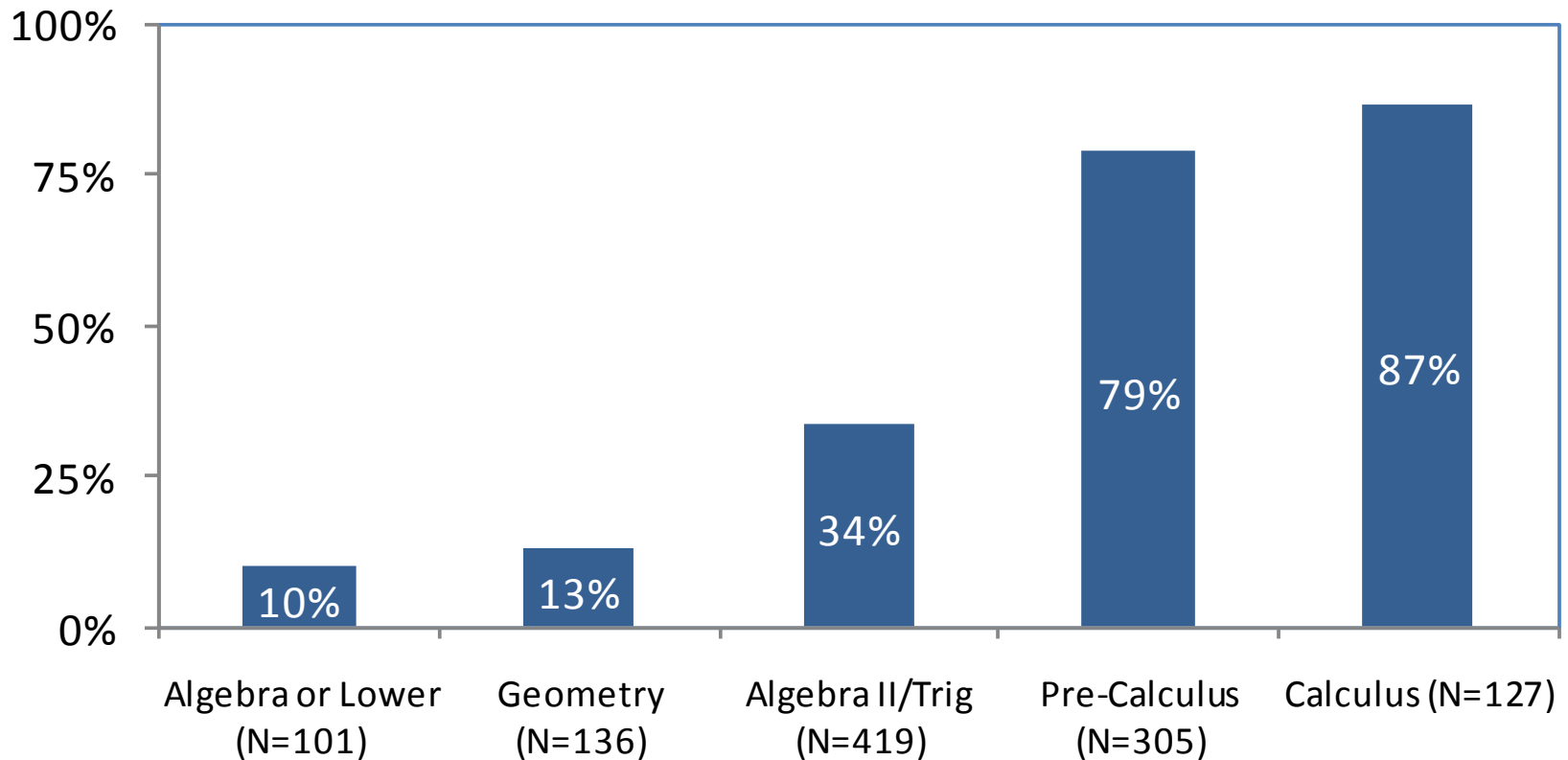
- What proportion of graduates enrolled in pre-college or “remedial” English or math courses in college?
- This section includes graduates enrolled at a public college in Washington in the first year after graduation.
- “Remedial” means the student took a math or English course that does not earn college credit.
- The need for remedial math and English is determined by a placement test administered by the college.

Pre-College Math is a Barrier to Degree/Certificate Completion



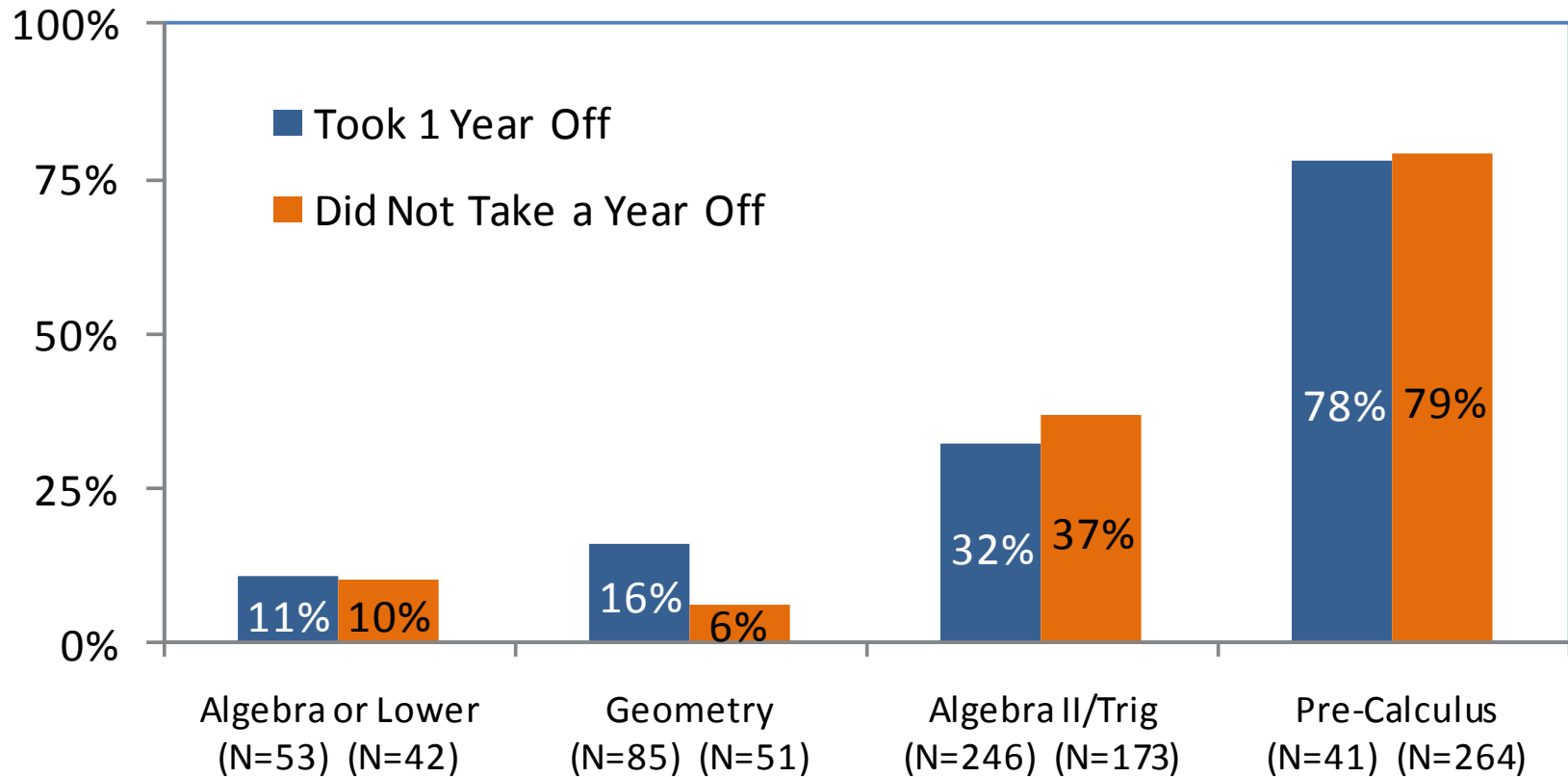
What Correlates with Post-Secondary Math Success?

Percent of Graduates who were College Ready by Highest Math Completed Successfully



How Important is Math in the Senior Year?

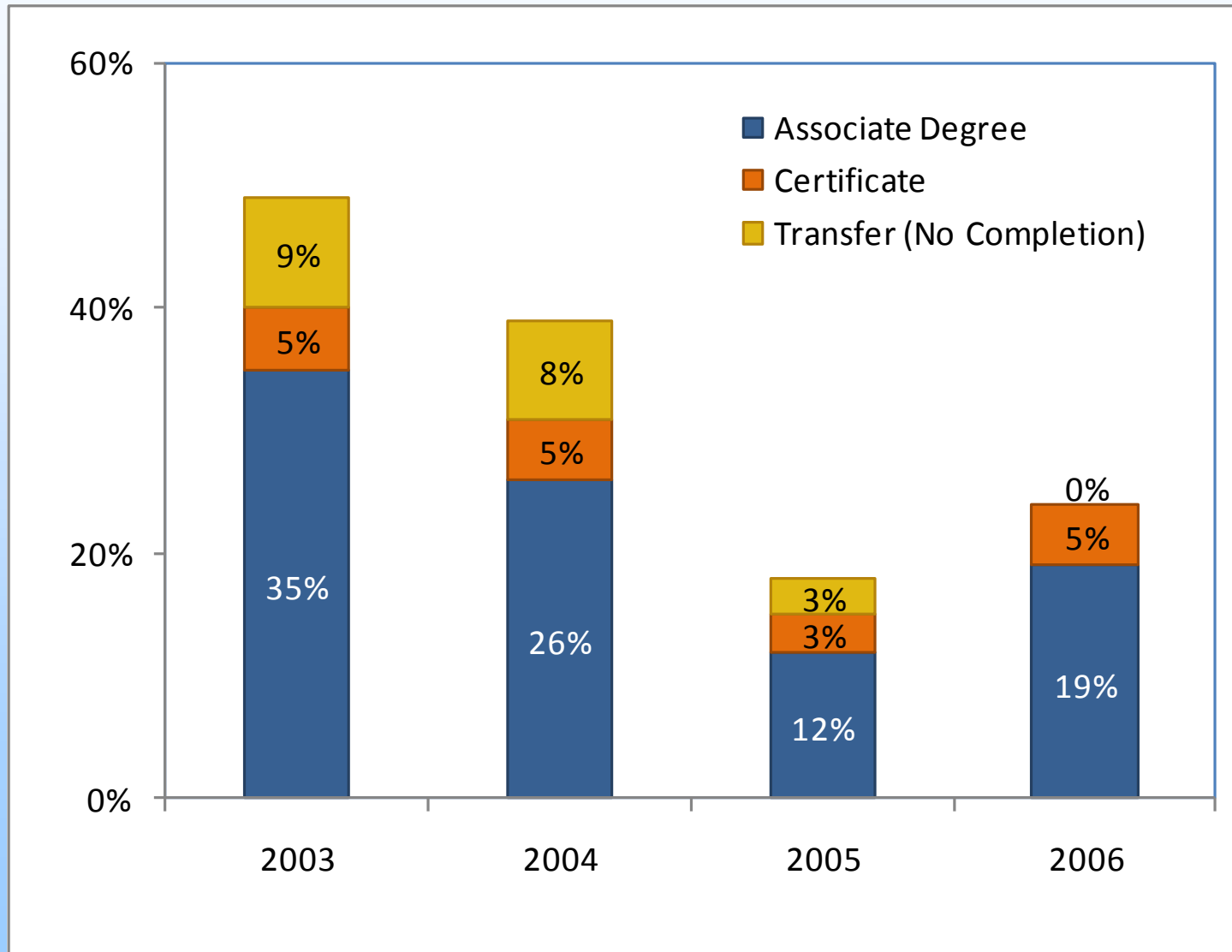
Percent of Graduates who were College Ready by Highest Math Completed Successfully



Two-Year Credential Attainment – Definitions

- This section includes all graduates who completed a degree or certificate or have earned at least 45 credits.
- “Credentials” include Associate of Arts, Associate of Science, and Workforce Certificates.

Completion/Transfer Rates Among Students Enrolled at a CTC



Other College-Related Research Questions

- What graduates attending community and technical colleges enroll with an intent to transfer and how many are there for job skills training?
- What proportion of graduates at community colleges successfully transfer to a four-year college?
- How many students delay entry to college for a year or more? How are they different from direct-entry students?

Examples of Employment-Related Research Questions

- What proportion of graduates combine employment and college enrollment?
- What industries do recent high school graduates work in?
- How much do graduates earn? How does that differ by industry of employment?

GFS Results – Post High School Activities

2007 Vocational Completers Student Post High School Efforts

	Vocational Completers	All graduates
2-Year College Only	4%	4%
4-Year College Only	4%	6%
2-Year & 4-Year	0%	1%
Employed Only	35%	33%
Employed & 2-Year	27%	24%
Employed & 4-Year	17%	20%
Employed, 2-Year & 4-Year	2%	2%
No Data Located	9%	10%
Total	100%	100%

Totals may not equal 100% due to rounding
PVS and Apprenticeship included with 2-Year College

GFS Results – Hourly Wages by Industry

2007 Vocational Completers

Wage in 1st Year for Students who are not also Attending College

		CTE Completers	All Graduates
Industry of Employment (SIC) in 1st Year	Agriculture	\$9.50	\$9.42
	Construction	\$11.89	\$11.58
	Manufacturing	\$11.03	\$10.57
	Transp. & Public Utilities	\$11.06	\$10.83
	Wholesale Trade	\$10.32	\$10.14
	Retail Trade	\$8.97	\$8.99
	Finance, Ins. & Real Estate	\$9.94	\$10.20
	Services	\$9.48	\$9.59
	Government	\$9.65	\$9.91
	Total		\$9.49

Amounts inflation adjusted to first quarter 2008 dollars