

Basic Skills Summit



Effective Practices -
Bridges to Implementation

Framing the Issue

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COLORADO COMMUNITY
COLLEGE SYSTEM

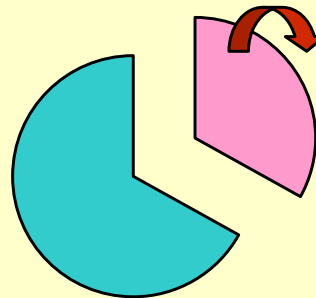
February 2008

Demographics of Remedial Students

Remediation Needs of Recent High School Graduates

Remediation Needs of Matriculating Colorado High School Students

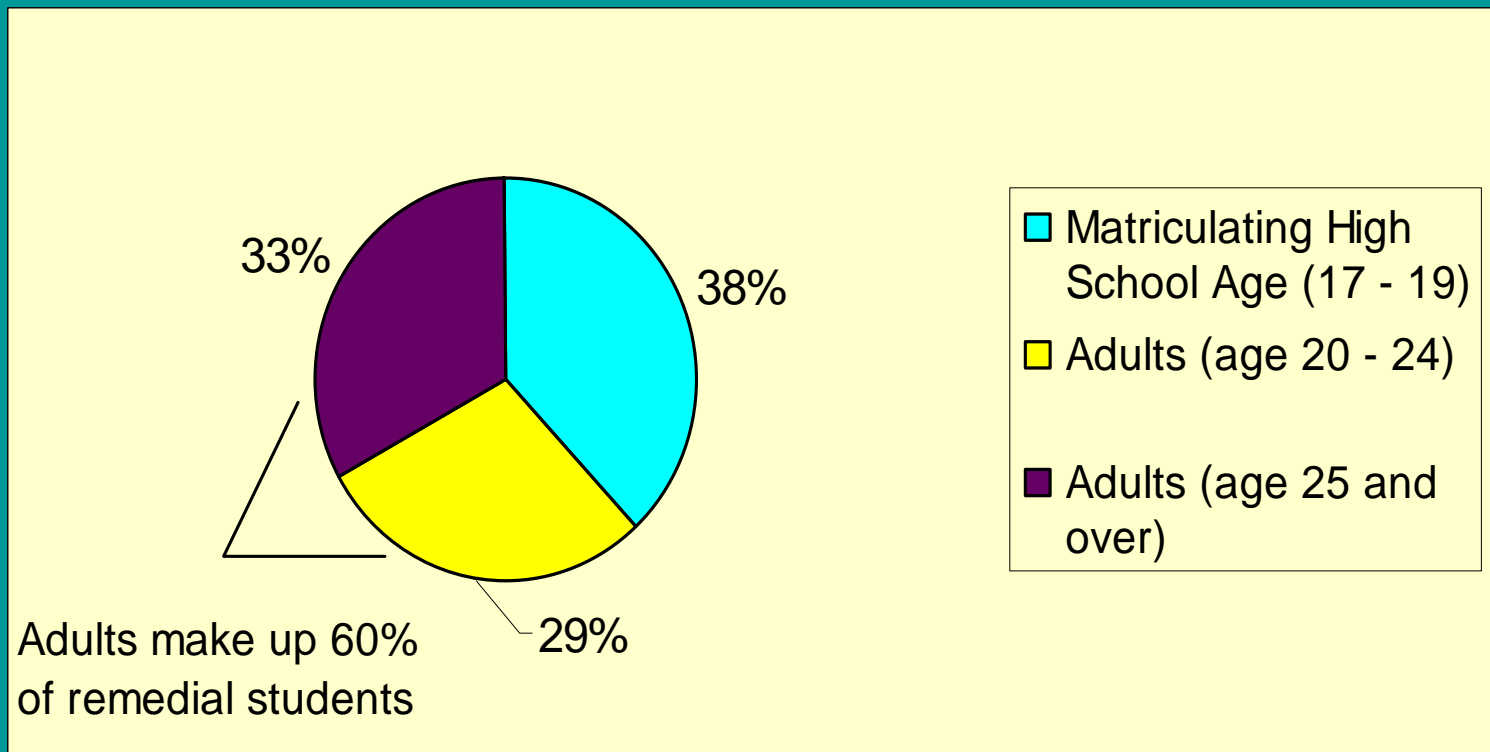
Don't need
remediation
67%



Need
remediation
33%

***55 percent enroll in
community college***

Colorado Community Colleges Remedial Students by Age

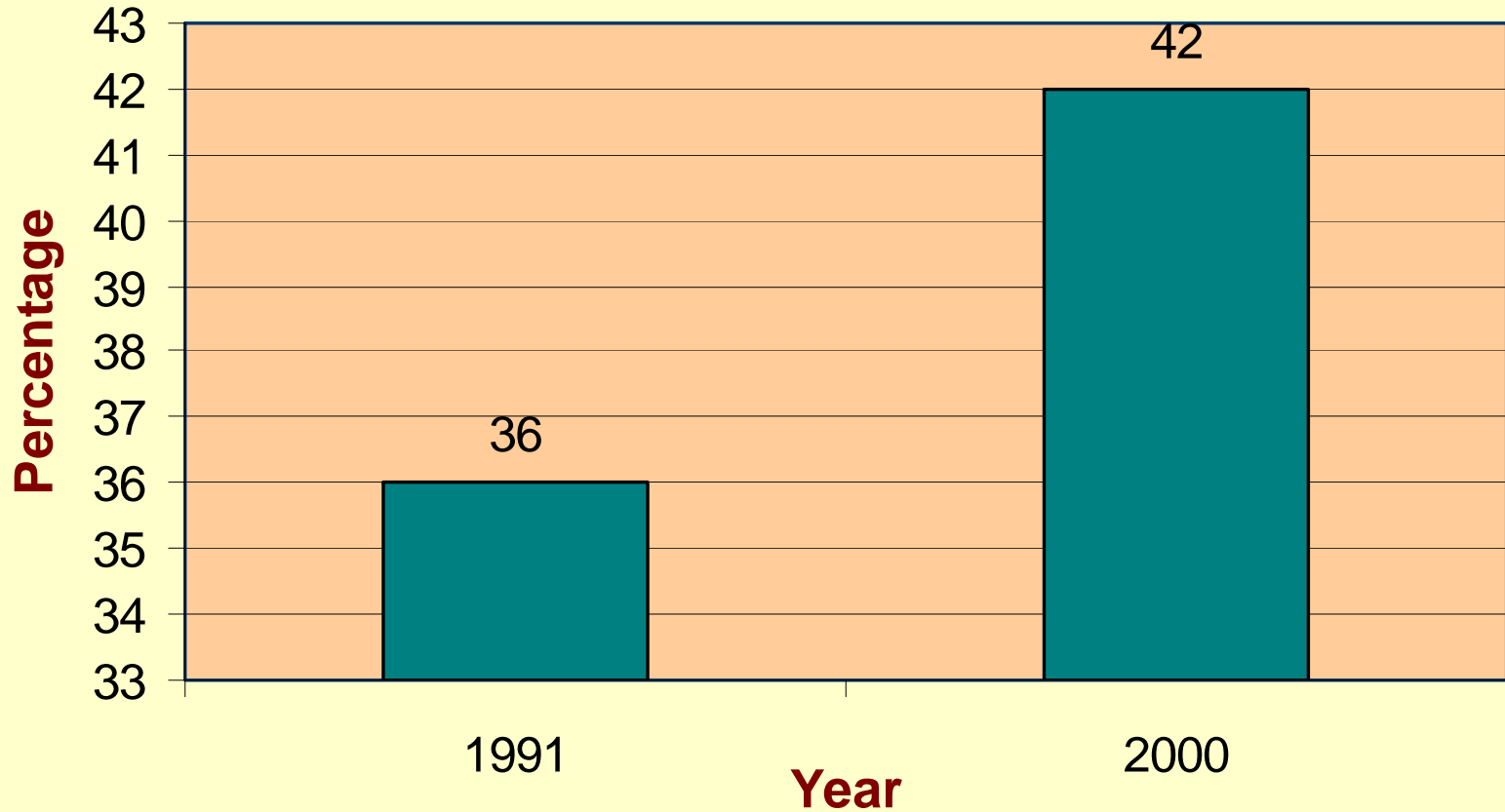




**One million adults in Colorado have
no postsecondary education**

**The Need for
Remediation Is
Increasing**

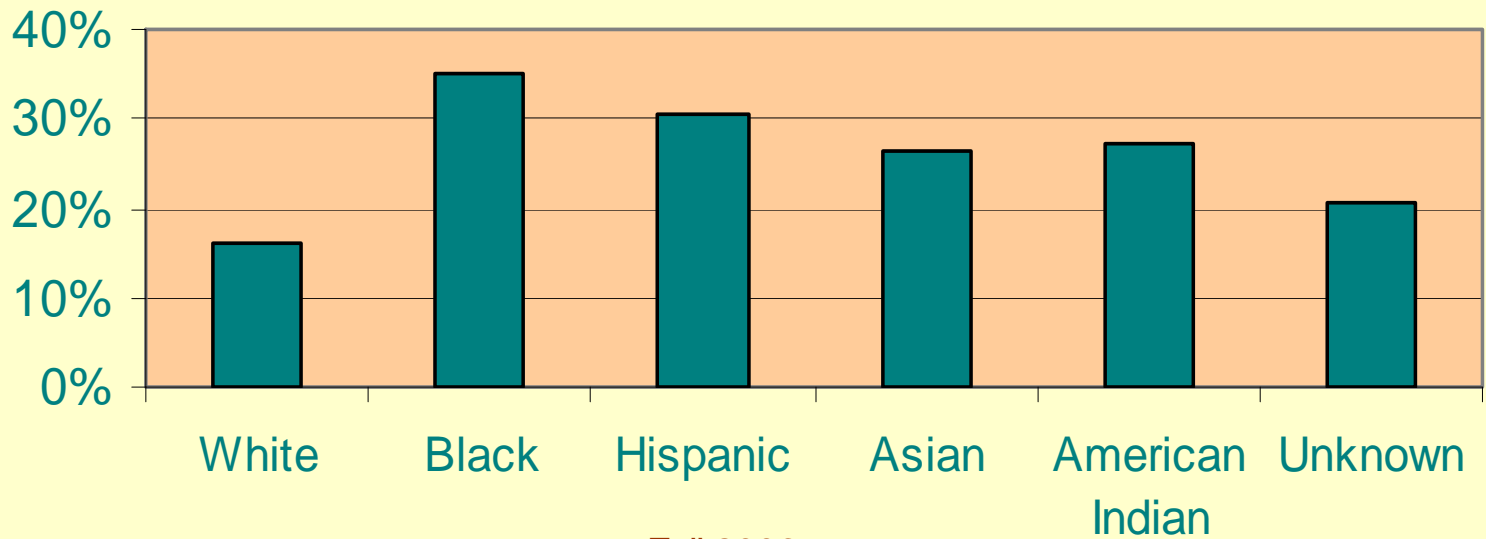
U.S. College Students Needing Remediation



Ethnicity in Remediation

Percentage of CCCS Remedial Students
by Ethnicity, Colorado Community Colleges

Remedial Percent of Total
Students per Ethnicity

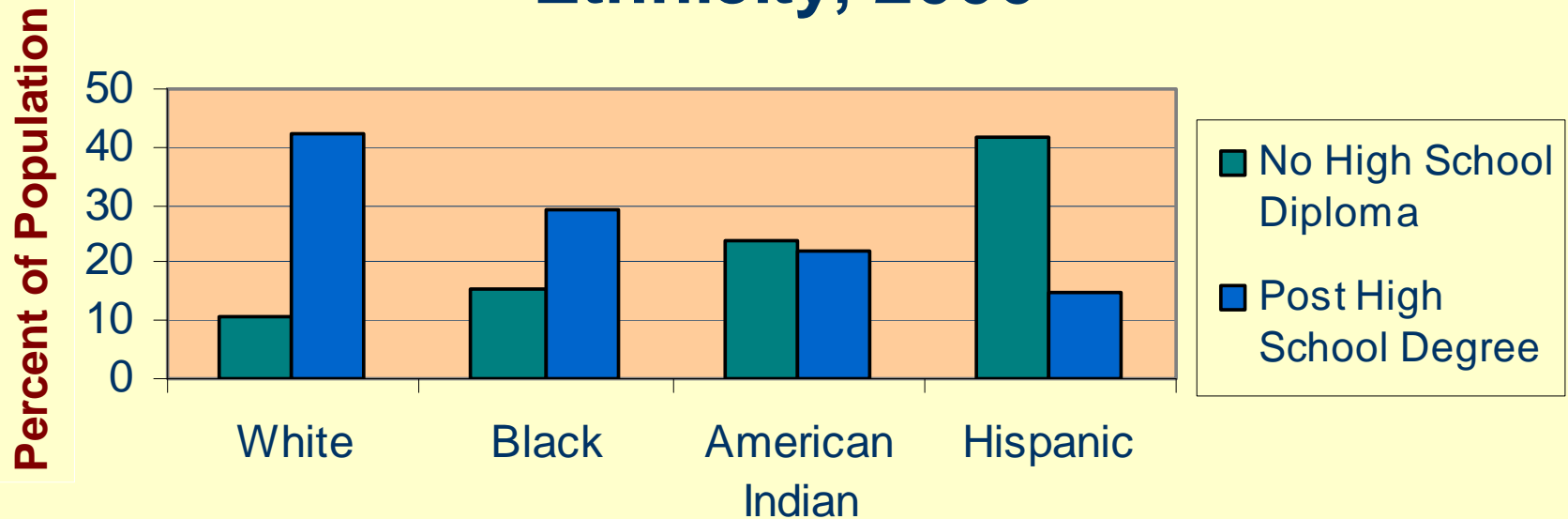


Fall 2006

Colorado's Demographic Shift

- Between 2000 and 2020, the Colorado Hispanic working age population is expected to increase by 39 percent

Colorado Adult Education Level by Ethnicity, 2000



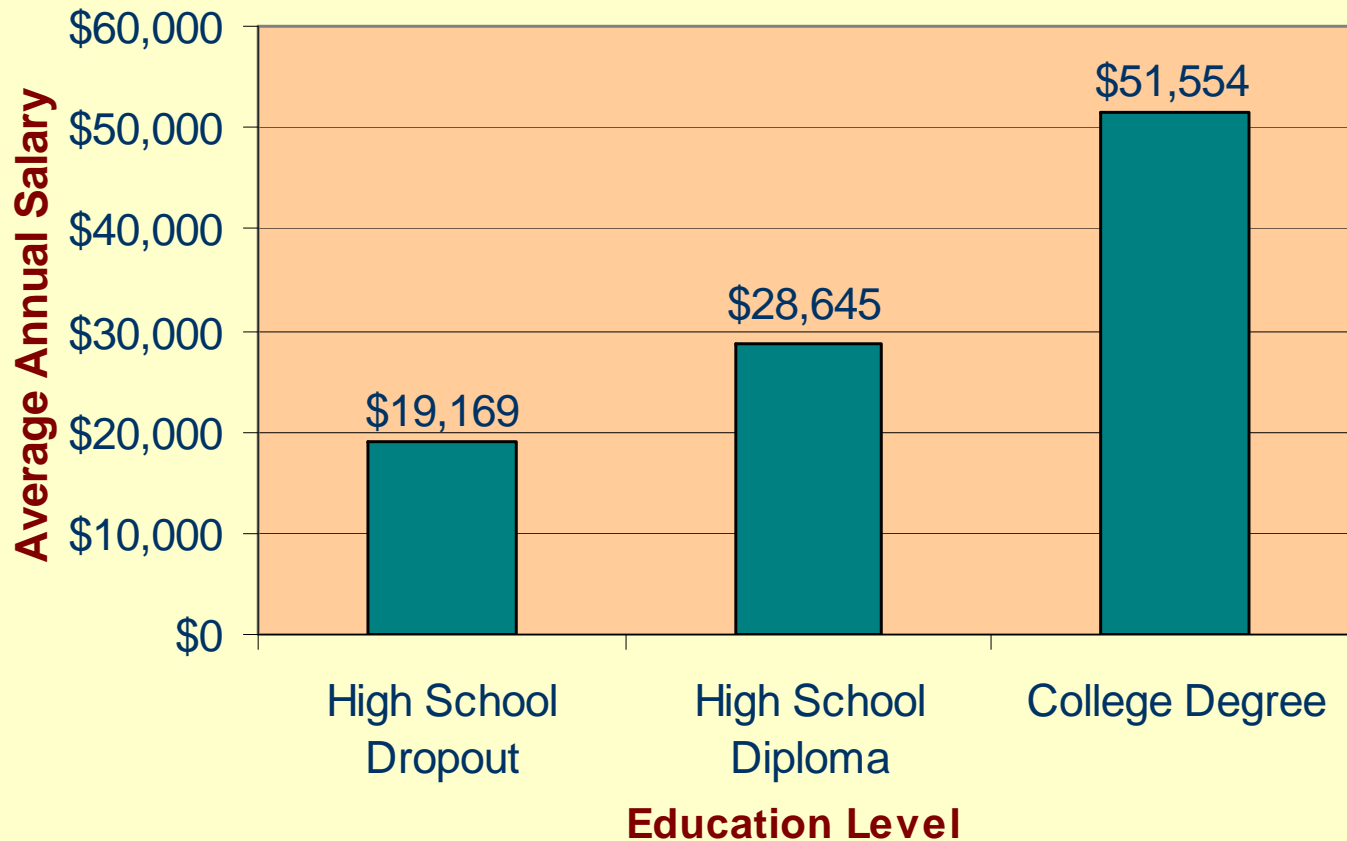
Recap

- One-third of Colorado high school graduates need remediation, more than half of those attend community colleges
- Half of the adults who attend Colorado community colleges require remediation
- The need for remediation is growing

The Workforce Connection

Economic Impact of Educational Achievement

U.S. Wage Differential by Education



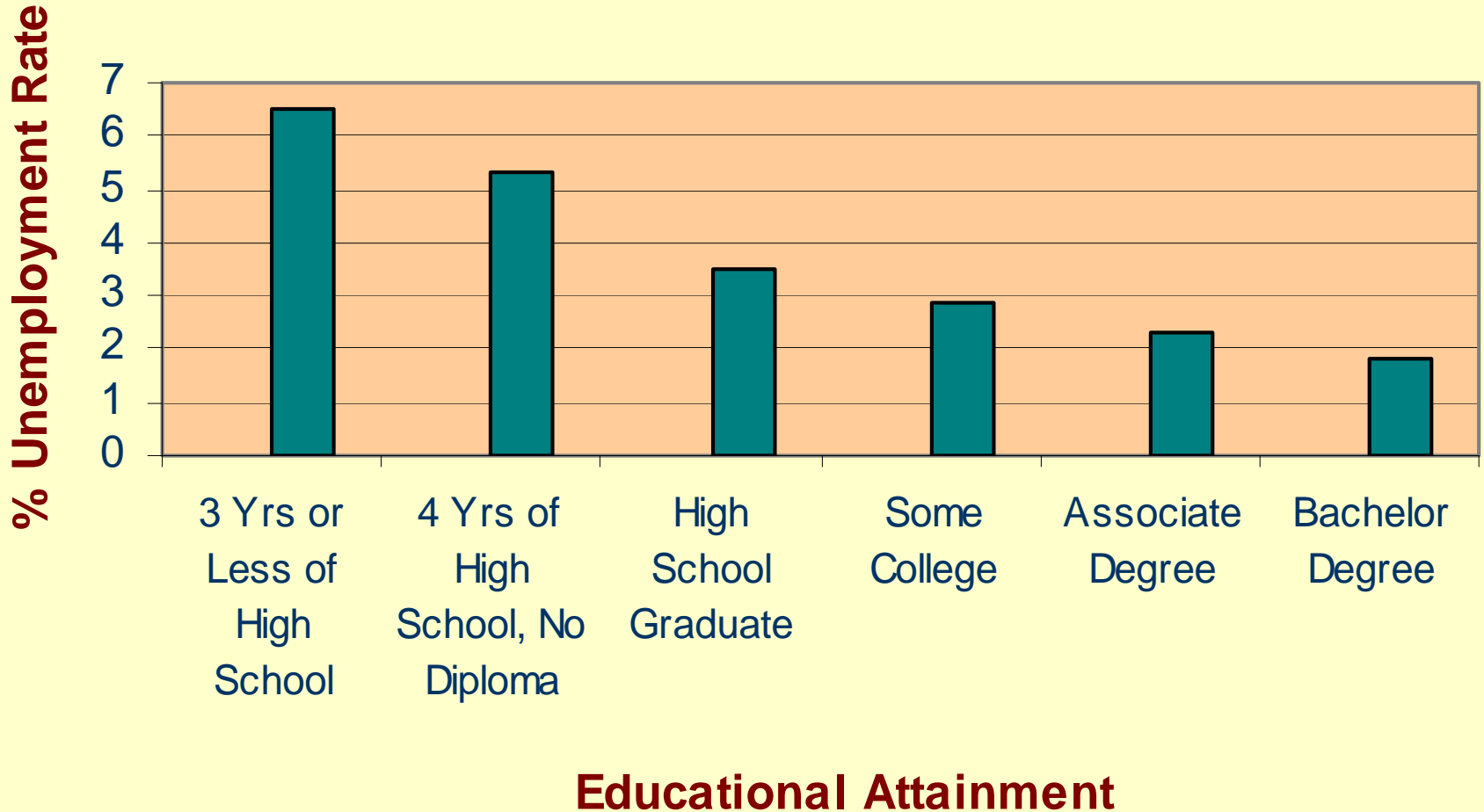
Self-Sufficient Wage

The annual self-sufficiency income in Denver County for a family of four is \$47,341.

Tipping Point

- Washington State “Tipping Point” Study to understand low-skilled adults
- Results:
 - Tipping Point: 1 year of college level credits
 - Highest value-added: 6 years after college start
 - 1 year + credential gives future earnings bump:
 - \$7,000 more per year for ESL students
 - \$8,500 more per year for an ABE student
 - \$2,700 and \$1,700 more per year (respectively) for workforce students entering with a GED or HSD only

U.S. Unemployment Rate per Educational Attainment, 2000



A High School Education is NOT Enough:

- To earn a living wage, or
- To meet the 21st century demands on Colorado's economy.

Remediation Success

Remediation by Subject

	All CCCS First-Time Recent HS Graduates	CCCS Remedial Students
Subject	FY 2006 Required Remedial Course	Fall 2006 Pass Rate
Reading	31%	66%
English	29%	64%
Math	48%	59%

Time Takes Its Toll

Only 25 percent of entering college students who are required to take three or more remedial classes will go on to take college-level courses.



Efforts

Best Practices in Remedial Education

Thirty years of research demonstrates increased remedial retention and success using targeted practices.

Best Practices in Remedial Education

- Use of best practices exist in “pockets” within CCCS
- Implementation varies with:
 - College leadership
 - Service area
 - Available resources
- Best practices are mostly grant-funded

System Level Effort

Lumina Initiative for Performance

- Recently started grant-funded project to improve academic achievement in underserved students
- Implemented remedial best practices at three targeted metro colleges
- Provided opportunity to evaluate student outcomes and analyze costs of various methods
- Initial outcomes show increased retention and success

Challenges and Next Steps

Challenges

- The majority of CCCS remedial students are adults -- age 20 and older
- The need for remedial education is increasing
- The graduation rate for this group is low
- Use of best practices leads to increased retention and graduation
- Consistent funding for best practices is lacking

Next Steps

- Assess the capacity to deliver remedial education at each college
- Create capacity for system-wide evaluation based on student outcomes
- Develop a cost/benefit tool for strategic decision-making
- Adopt best practices at the college level
- Work on disseminating and institutionalizing best practices at the system level