



**Results**

**matter**

Helping Colorado's Young Children  
*Reach for the Sky*

# Results Matter



**A national model  
for measuring  
early childhood outcomes**

# Essential Elements

**Assessment of  
Academic  
Content Areas**

**Assessment of  
Developmental  
Domains**

**Progress  
Monitoring**

**Instant Access  
to Online  
Reports**

**Data Driven  
Decision  
Making**



# Scope of Participation

- 45,000 children
- 1000 sites
- 4000 teachers



- Colorado Preschool Program\*
- Preschool Special Education\*
- Early Head Start
- Head Start
- Child Care Centers
- Family Child Care Homes
- Teen Parent Programs
- Campus Child Care

\*Denotes participation required

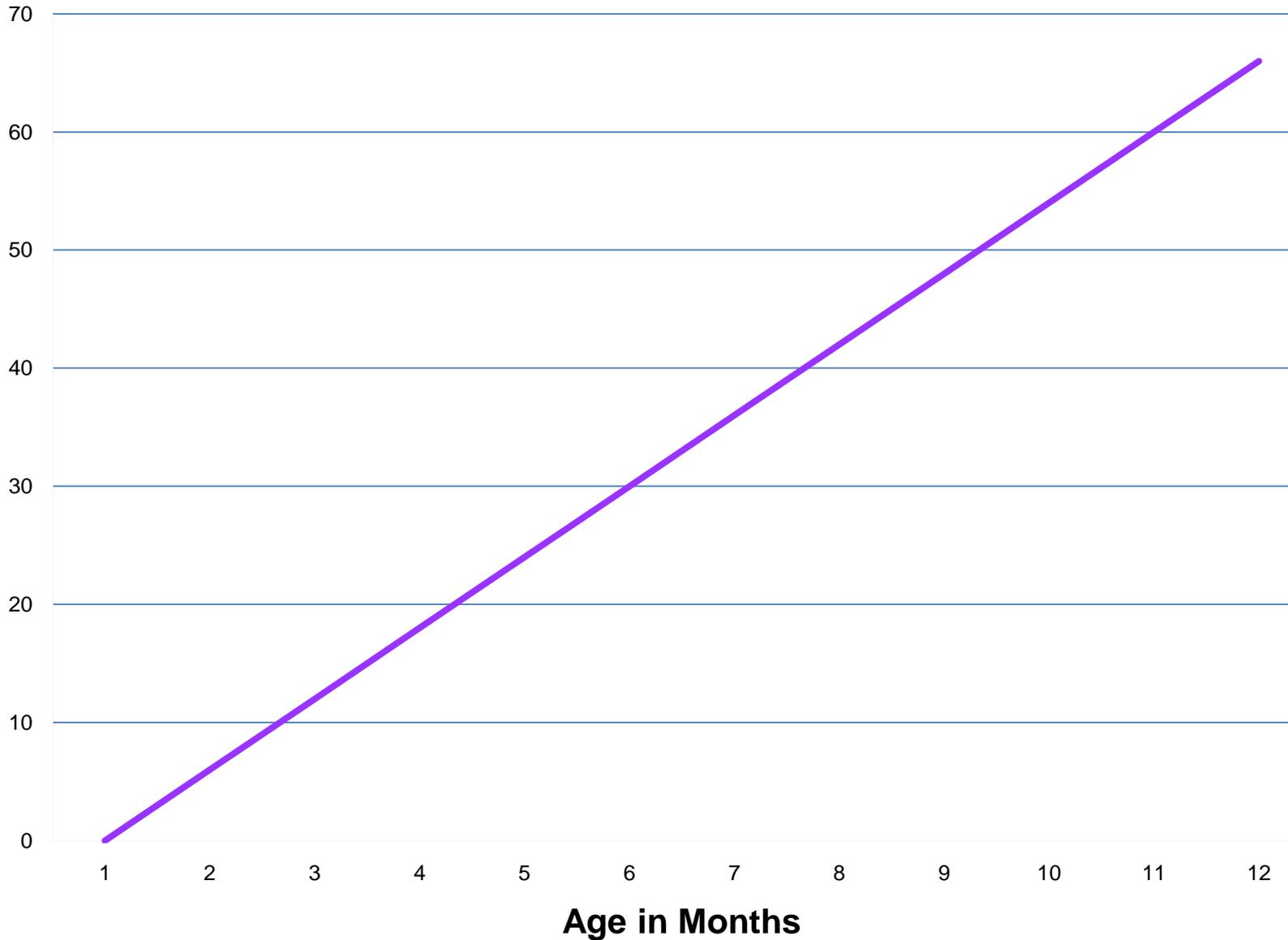


# Questions We Can Ask of Results Matter Data

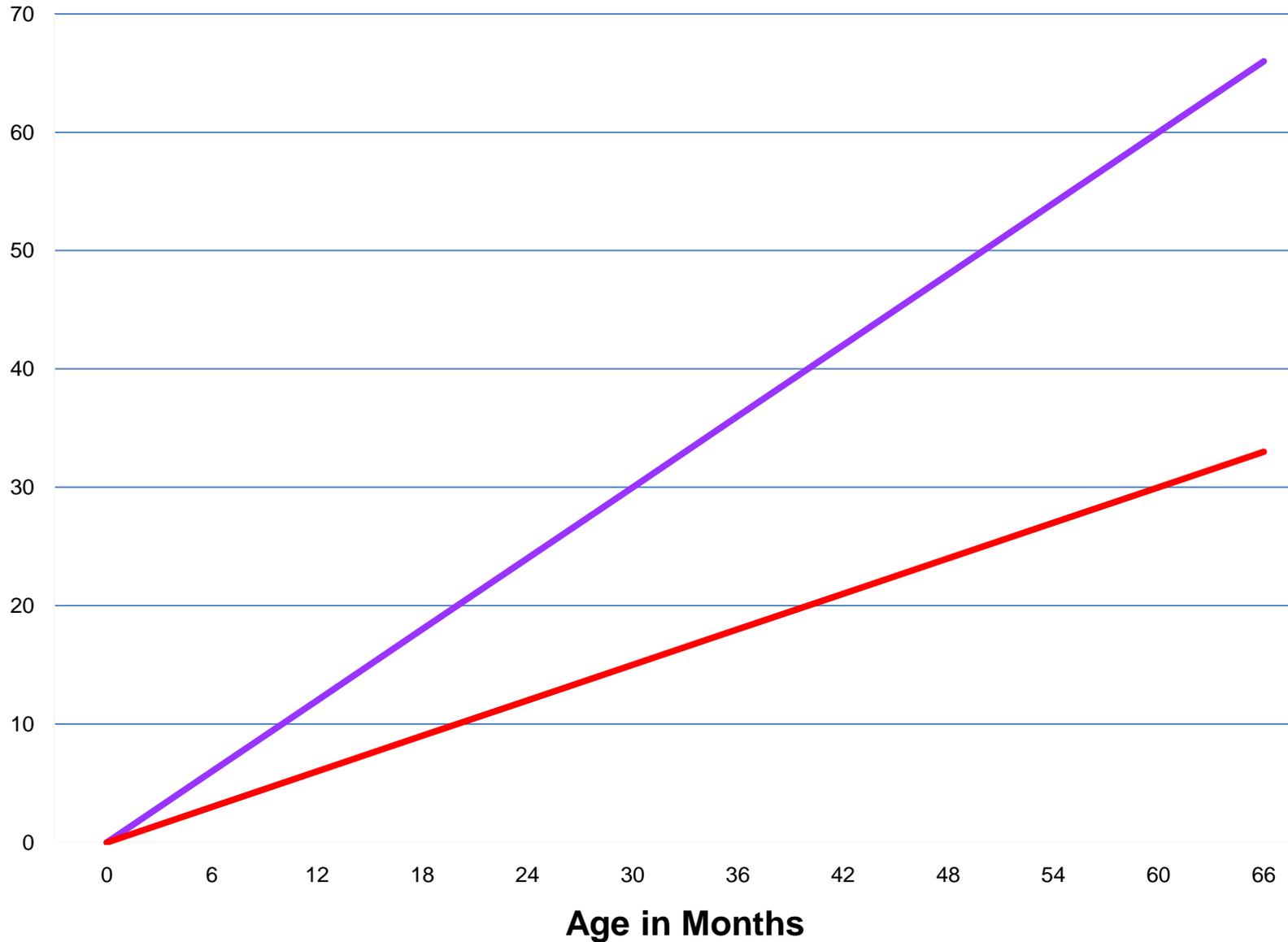


- How many children are meeting age expectations for development and learning?
- How do results for different groups of children compare? Criteria such as gender, funding source and primary language could be explored.
- How are instructional and intervention strategies changing developmental trajectories?

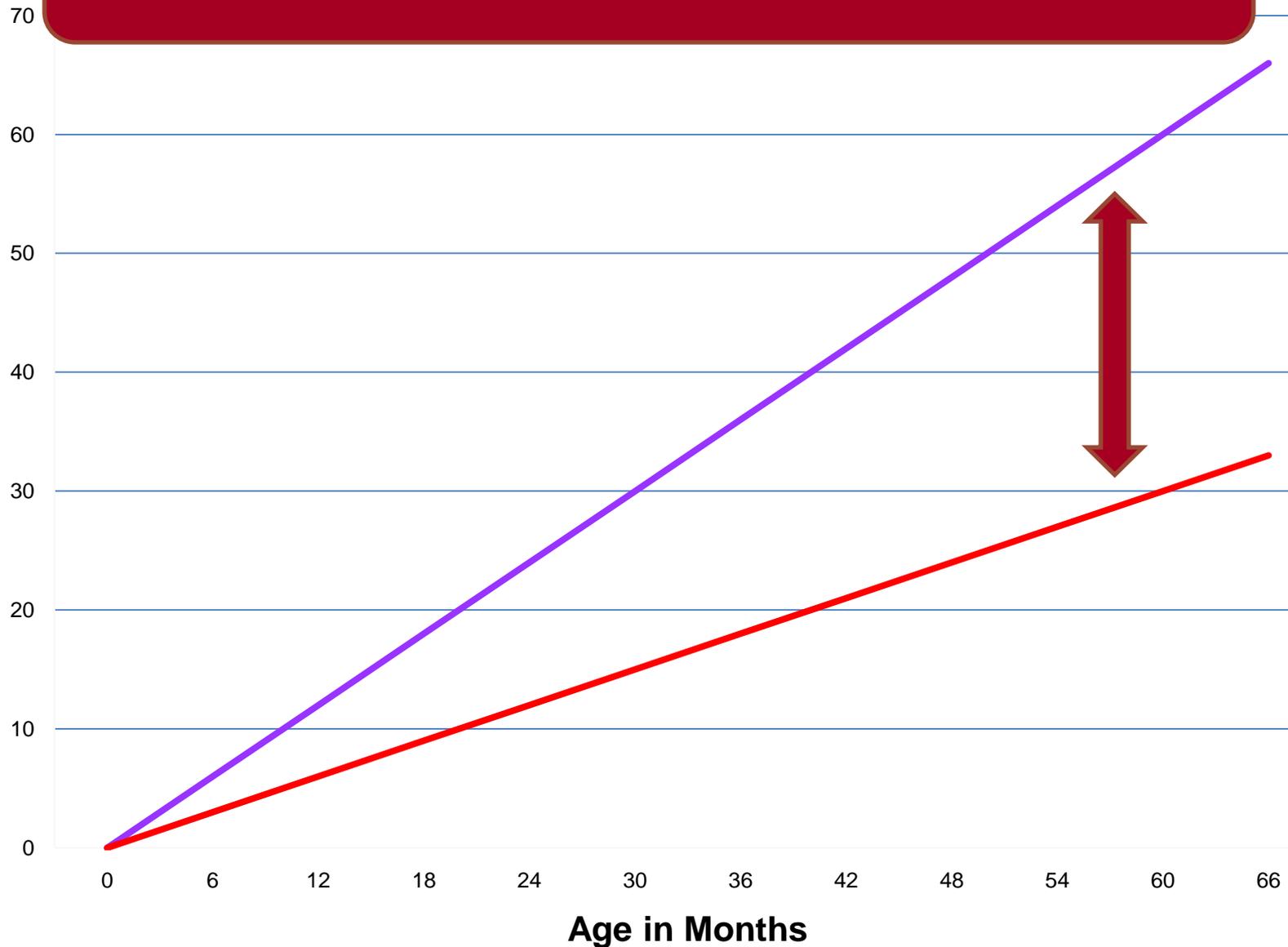
# Developmental Trajectories



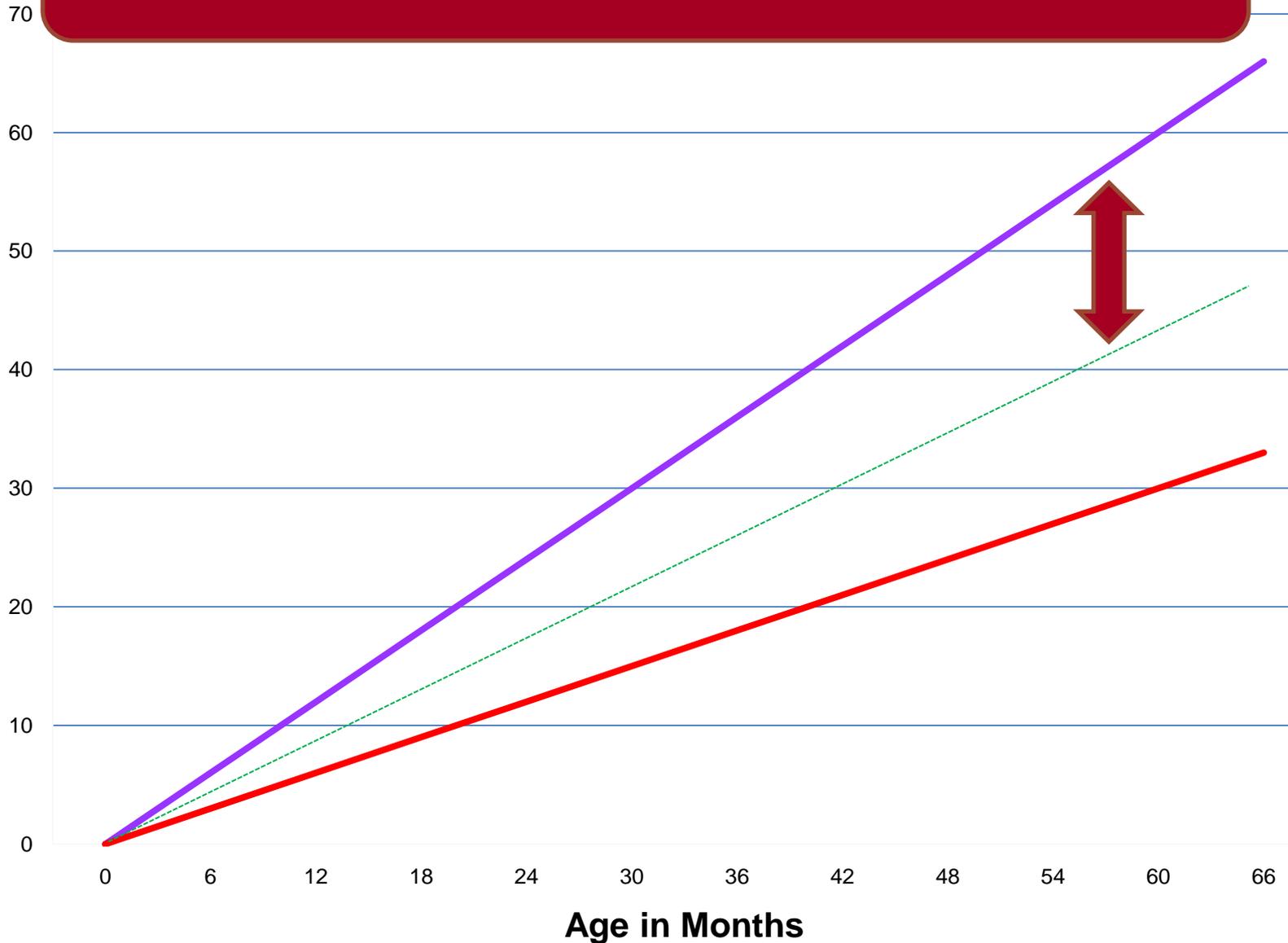
# Developmental Trajectories



# Same Trajectory = Widening Gap



# Changed Trajectory = Closing Gap



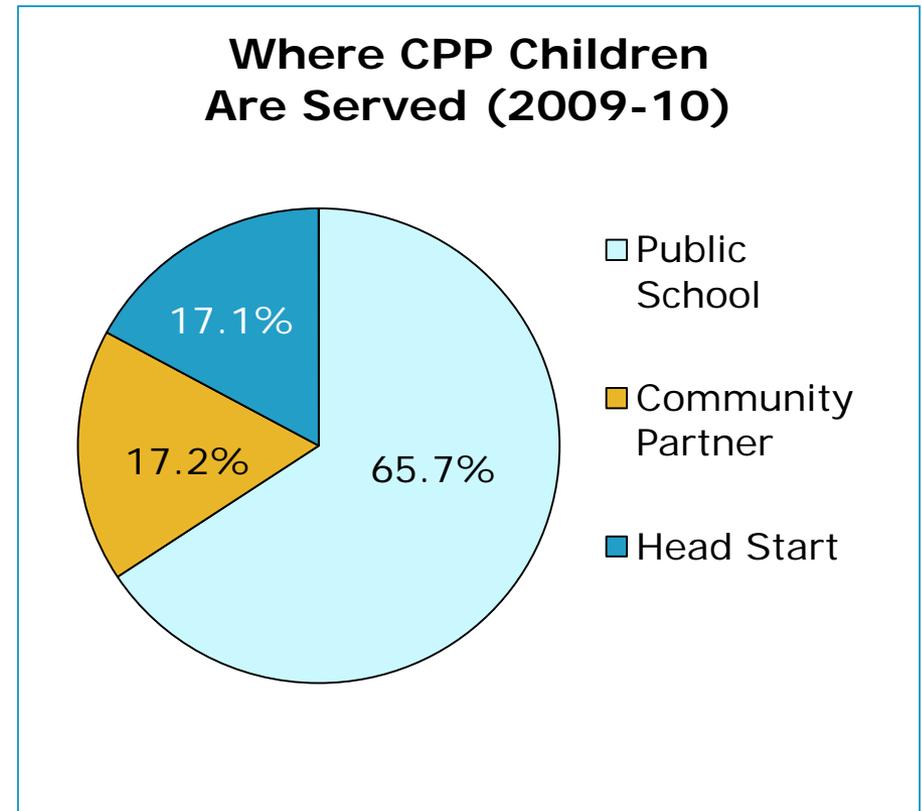
# Colorado Preschool Program

## Presentation Companion to 2011 Legislative Report



# CPP At-a-Glance

- State-funded through School Finance Formula
- Authorized to serve 20,160 at-risk children
- 212,000 total children served since inception in 1988
- Voluntary district participation
- 169 of 178 (95%) school districts currently participating

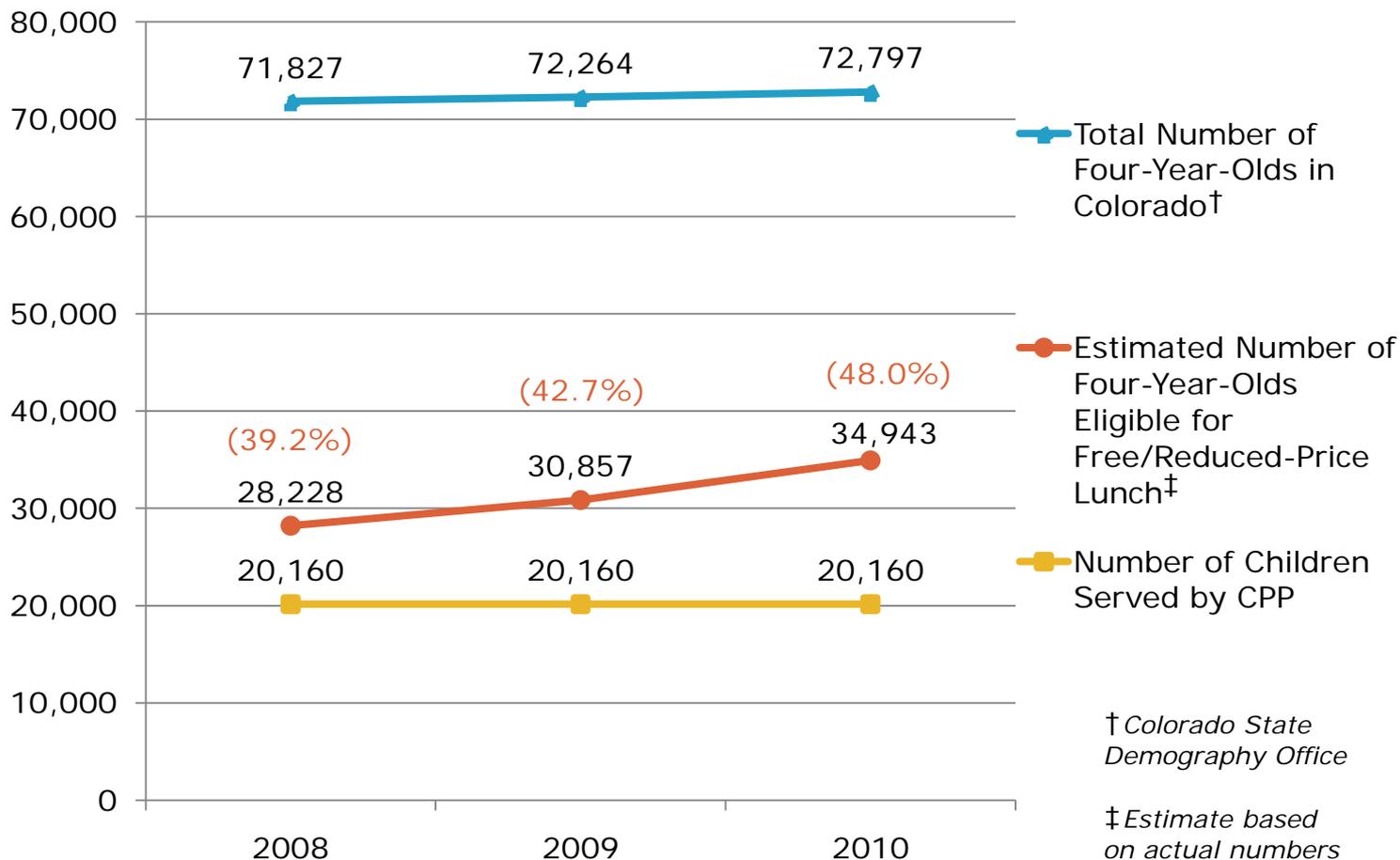


# Critical Elements of CPP

- Preschoolers served minimum of 10 hrs/week
- Funds 2.5 hrs/week/session for teacher planning, child assessment, training, and family support activities
- Family involvement and support are required
- Child outcomes measured through authentic assessment
- District Advisory Councils support the implementation of the program



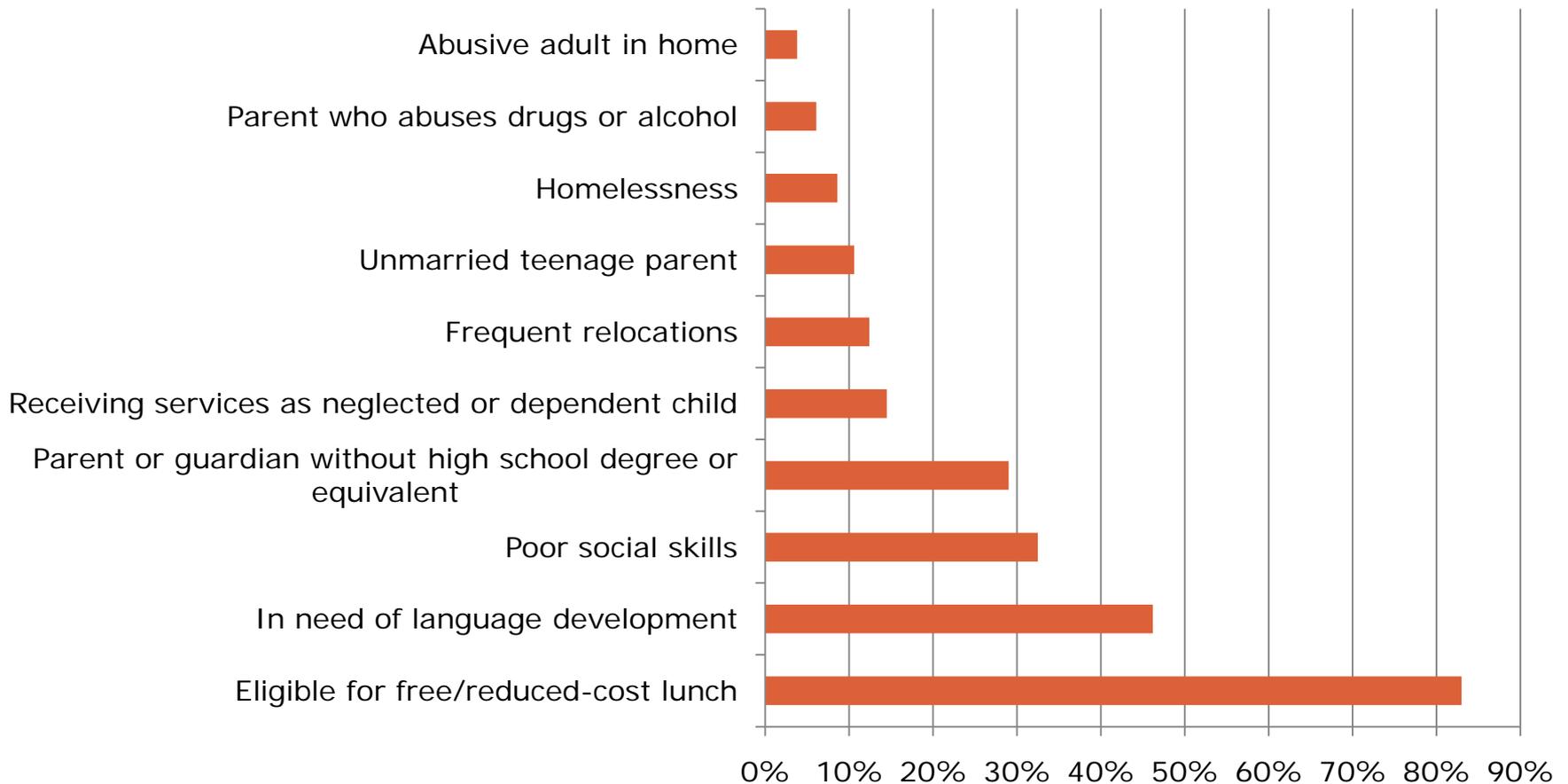
# CPP Enrollment over the Last Few Years



† Colorado State Demography Office

‡ Estimate based on actual numbers from grades 1-8

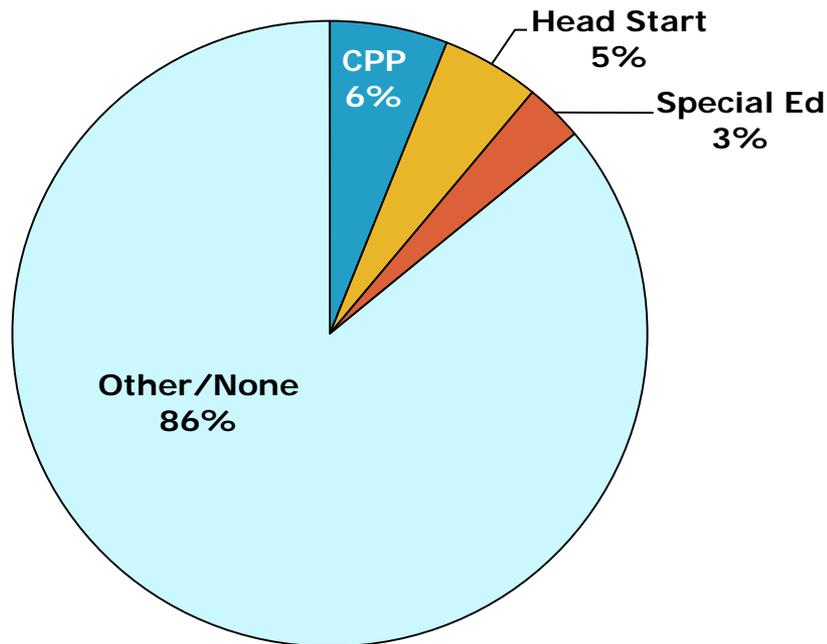
# Who Are the Children in CPP?



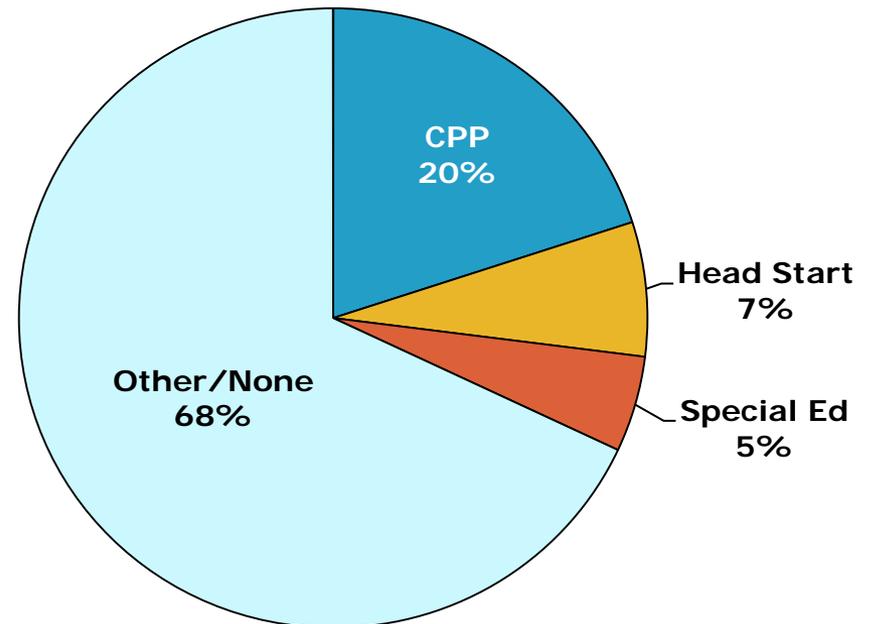
*2009-10 School year*

# Estimate of Total Population Served by Colorado Preschool Program, Early Childhood Special Education and Head Start

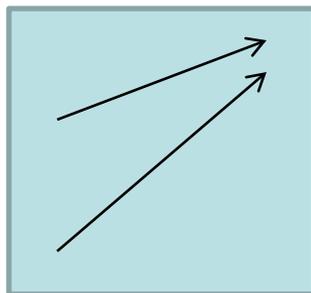
## 3-year-olds



## 4-year-olds

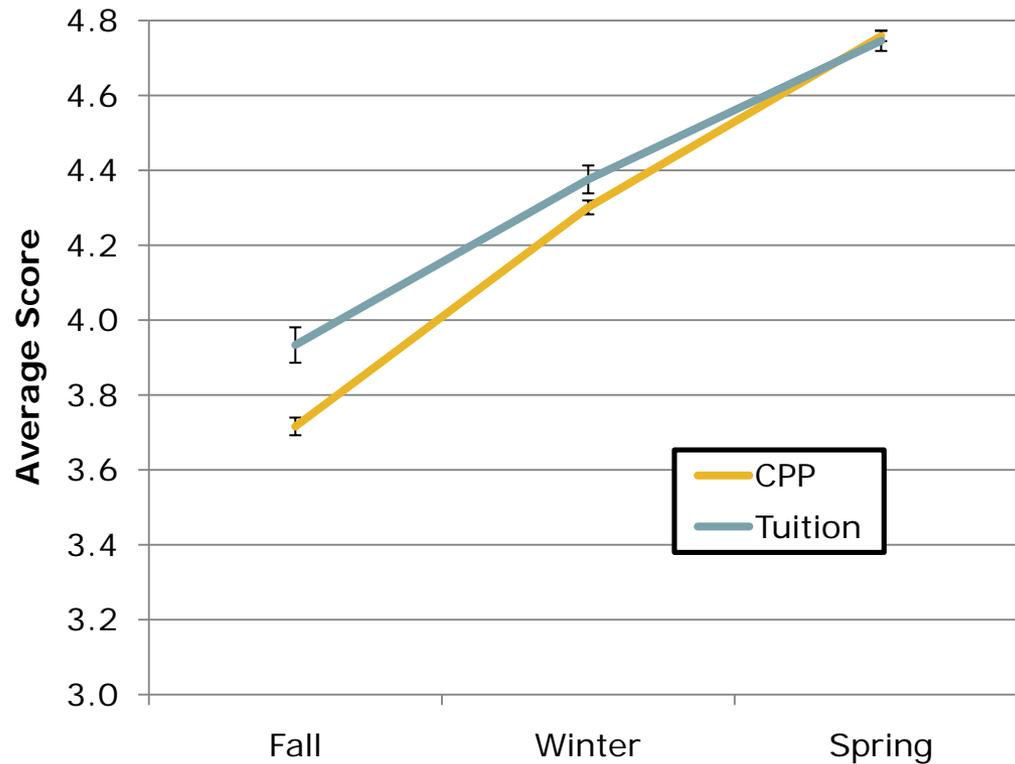


# Closing the Achievement Gap



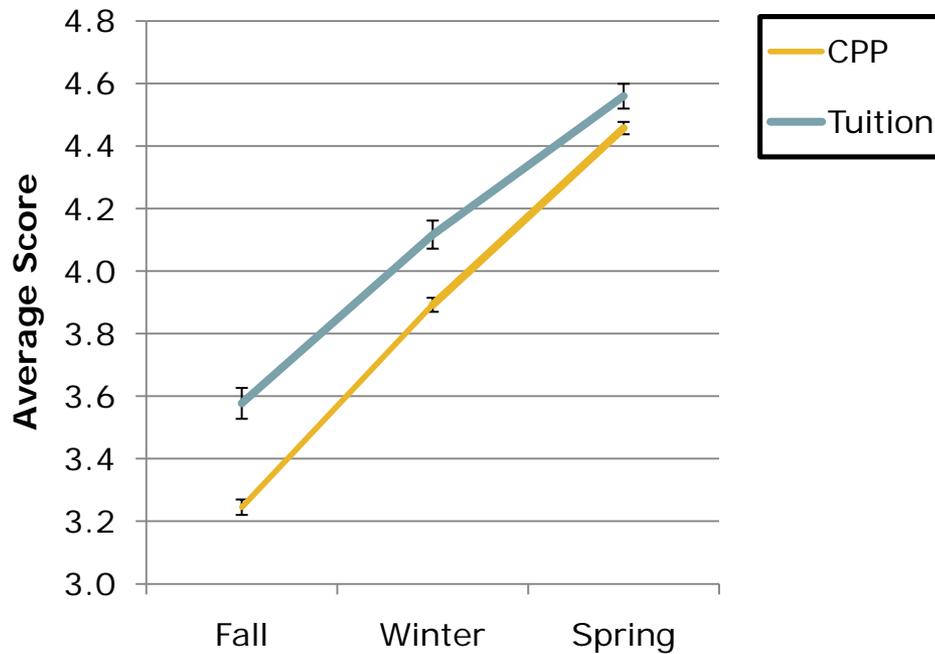
# Physical Development

## Creative Curriculum Developmental Continuum

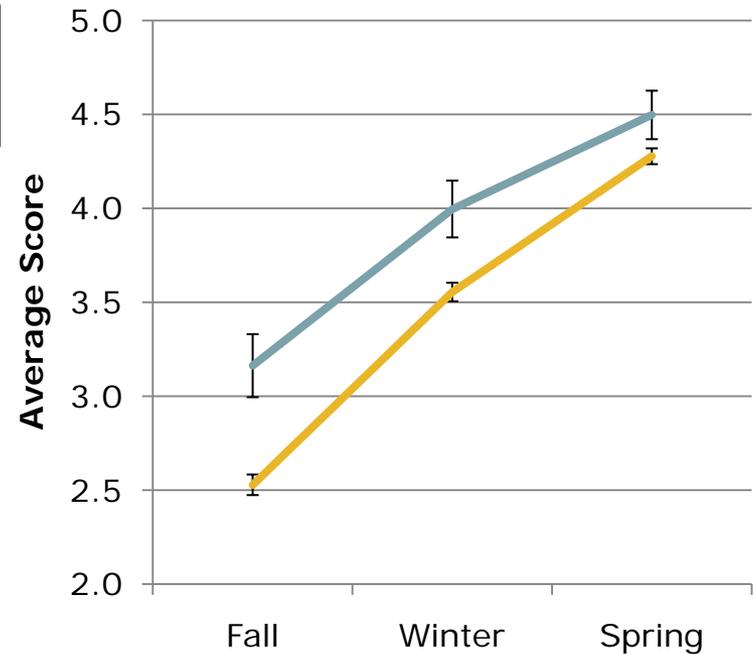


# Language & Literacy

## Creative Curriculum Developmental Continuum

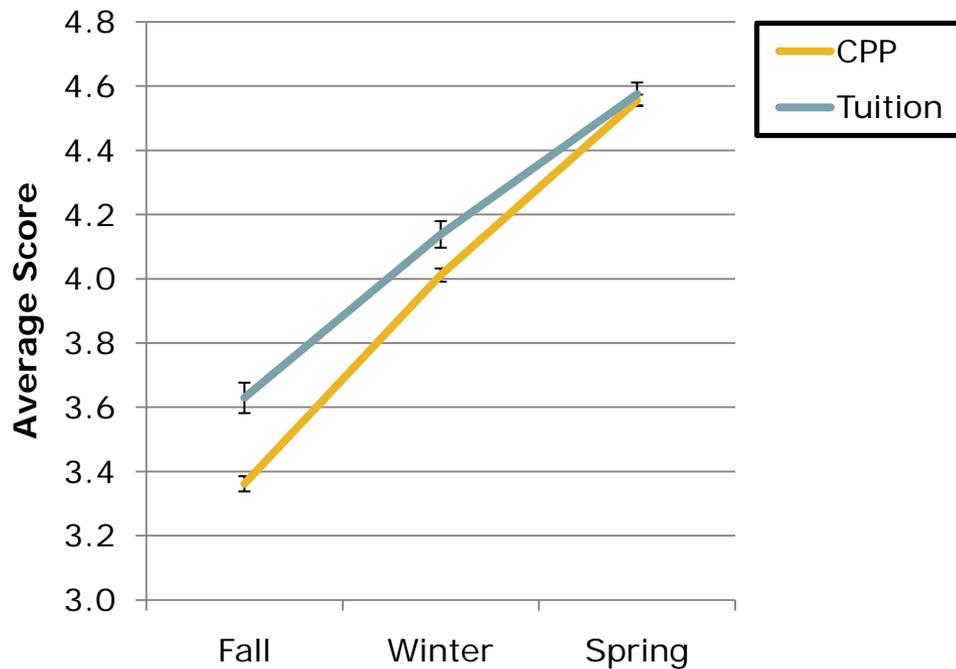


## HighScope COR

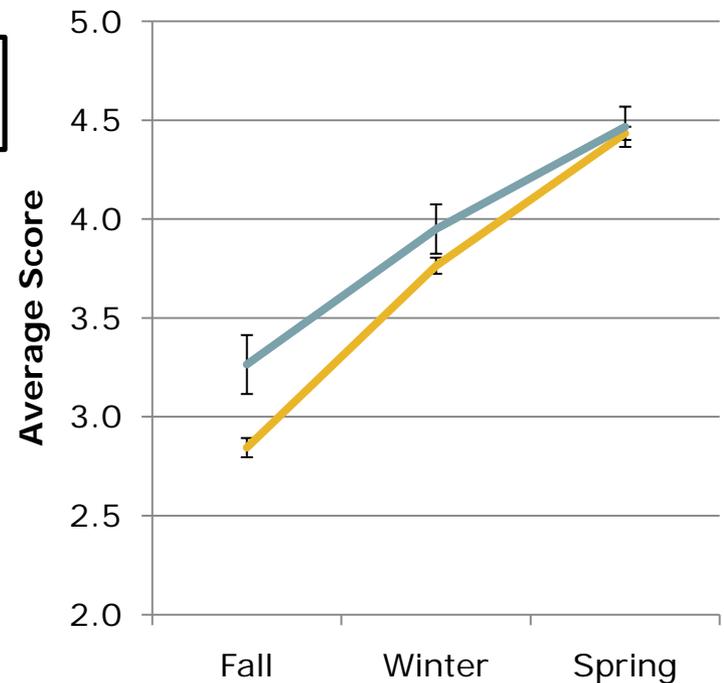


# Social & Emotional Development

## Creative Curriculum Developmental Continuum

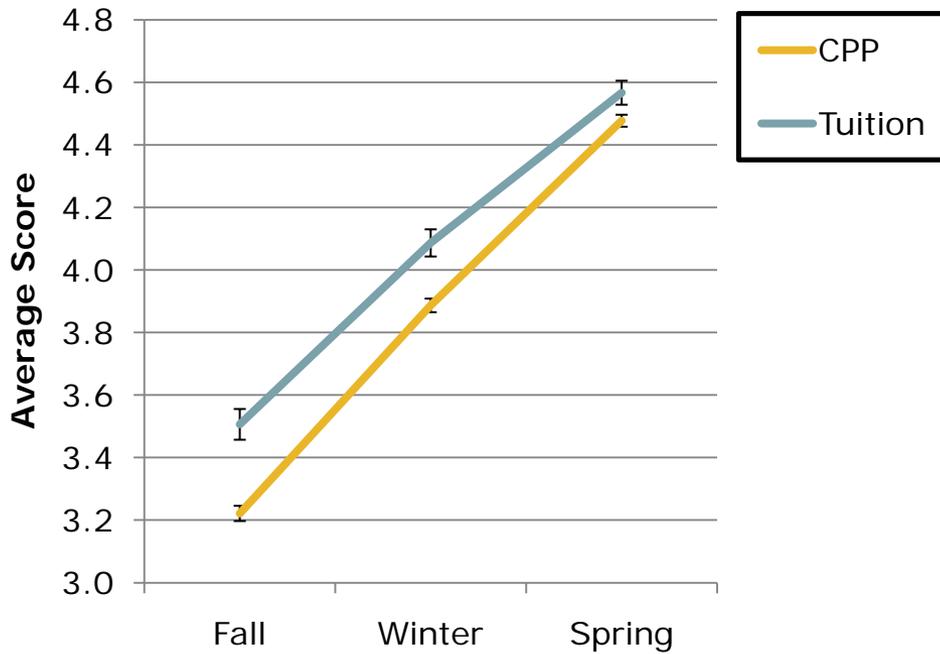


## HighScope COR

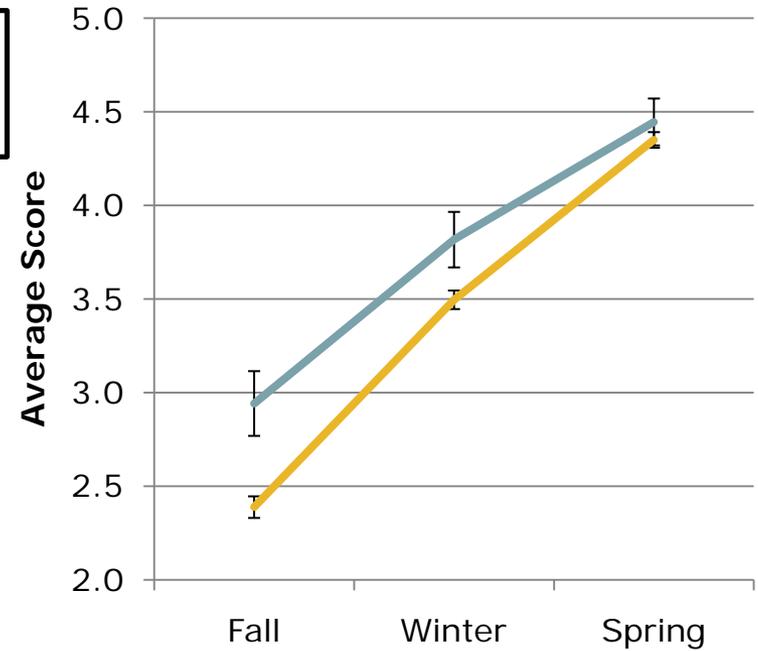


# Math & Science

## Creative Curriculum Developmental Continuum



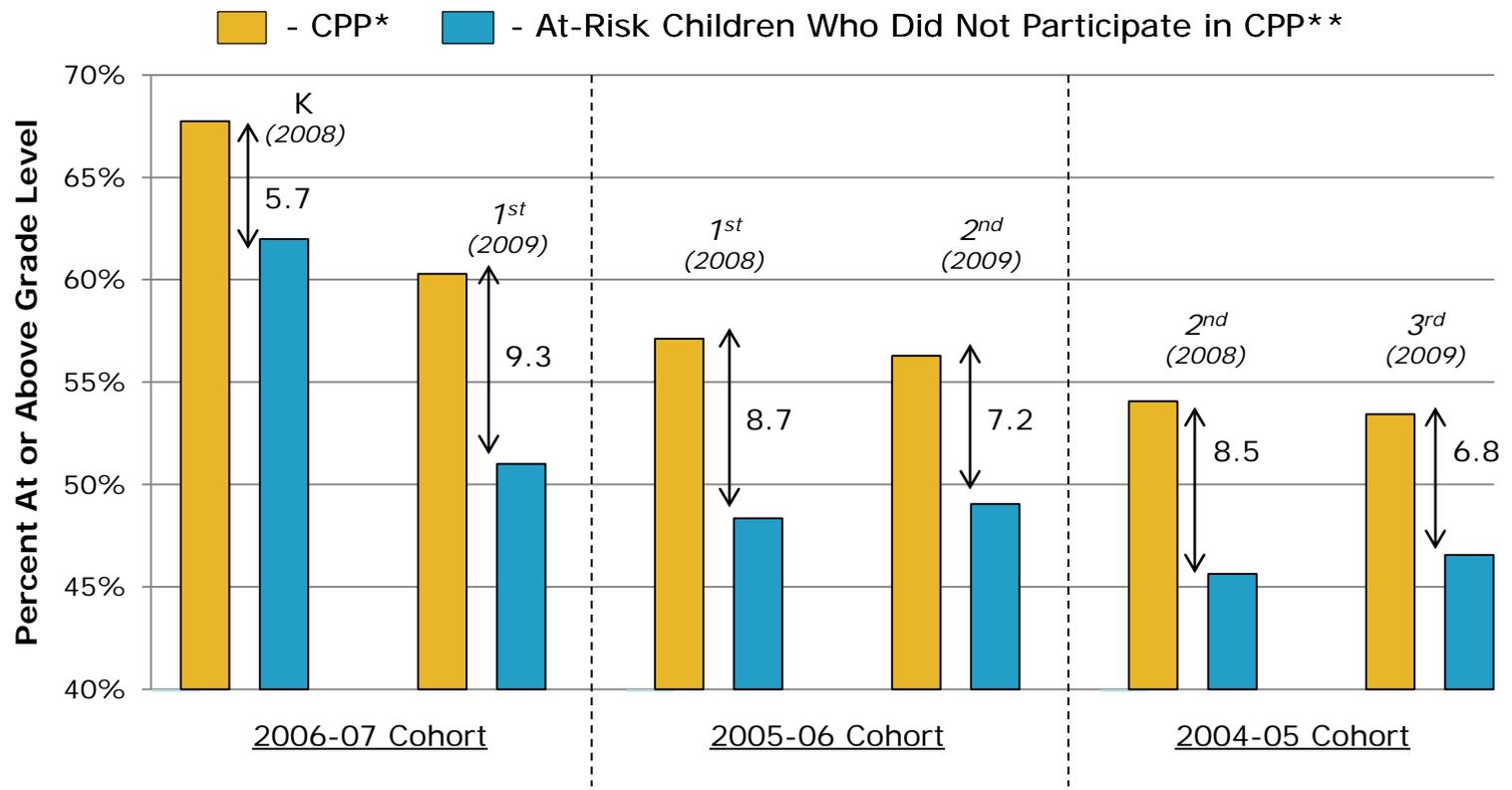
## HighScope COR





# *Data Beyond Preschool*

## 2008-09 K-3 CBLA Outcomes



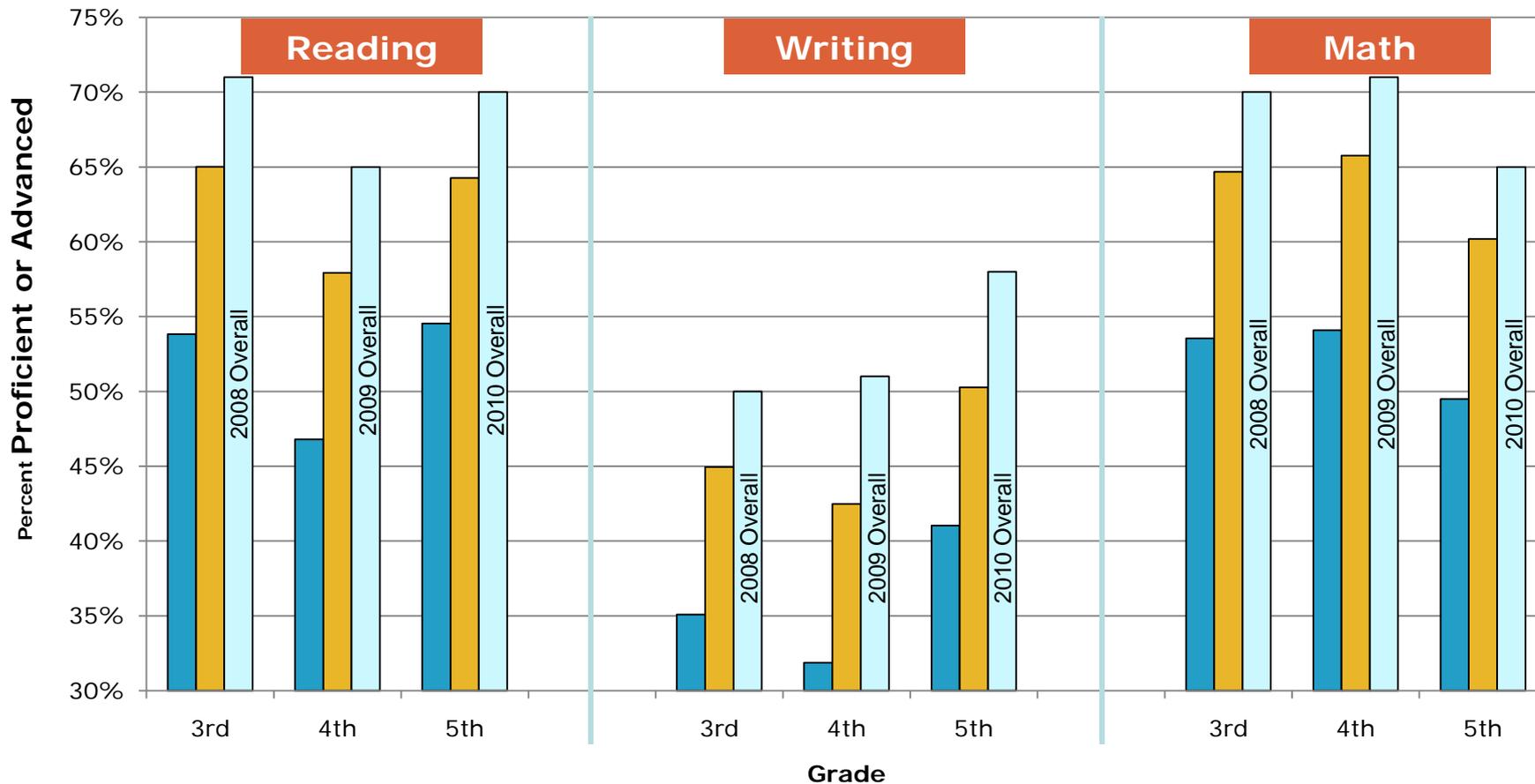
= Percentage Point Difference

\*Children who participated in CPP using one slot

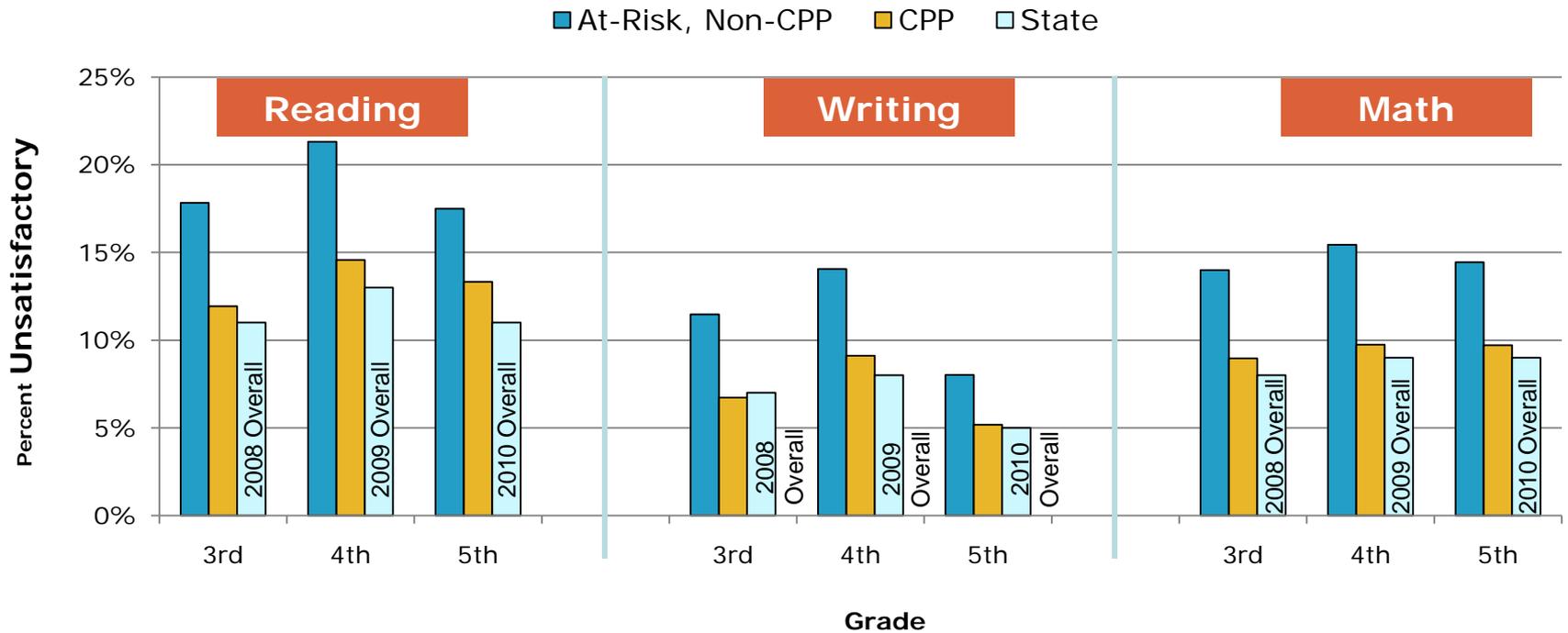
\*\* Defined as eligible for Free/Reduced Price Lunch in 1<sup>st</sup> grade with no history of involvement in CPP

## Proficient or Advanced Scores, 2003-04 Cohort

■ At-Risk, Non-CPP   ■ CPP   □ State



## Unsatisfactory Scores, 2003-04 Cohort



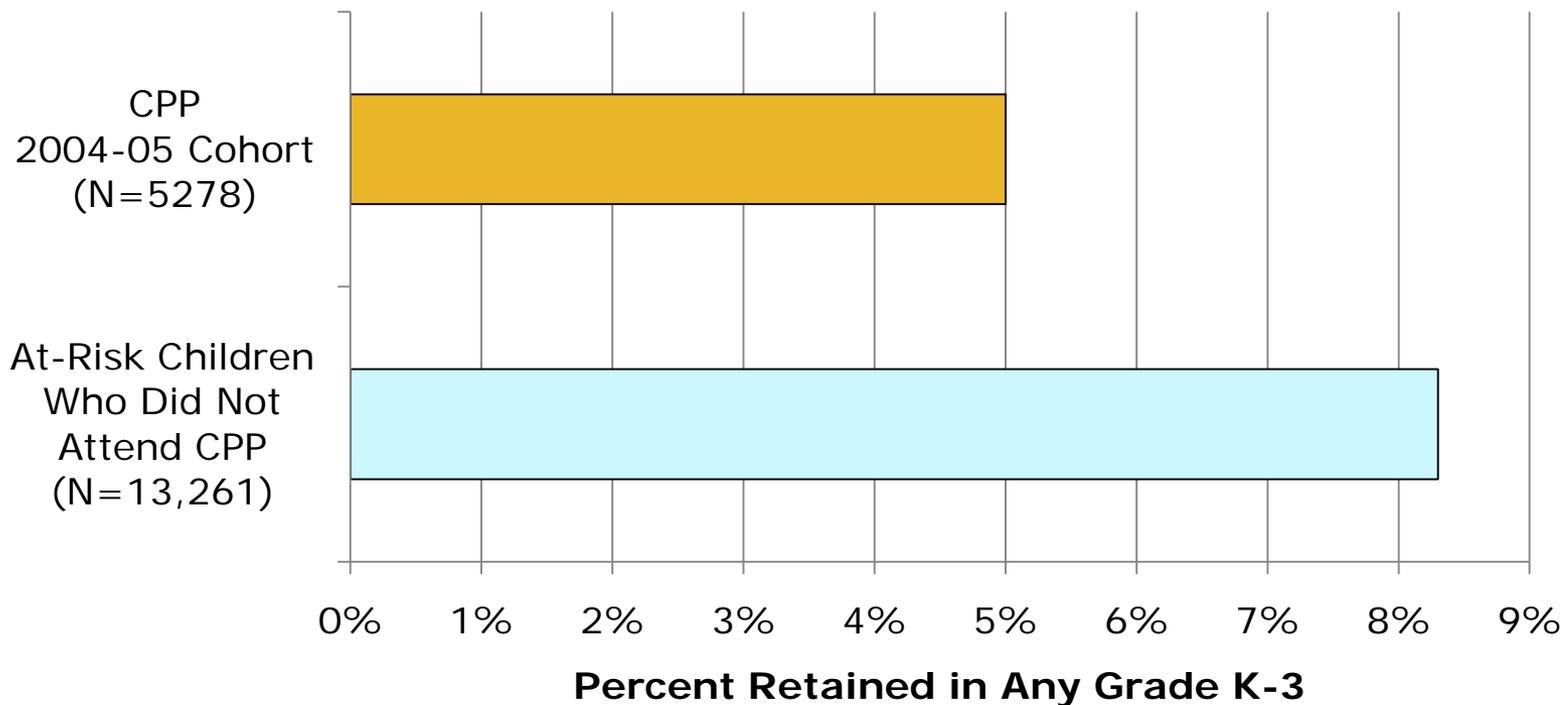
“Most students in Colorado that start off behind, still stay behind. And that fact sums up our performance challenge as a state and as a nation.”

*-Richard Wenning, Associate Commissioner at CDE*

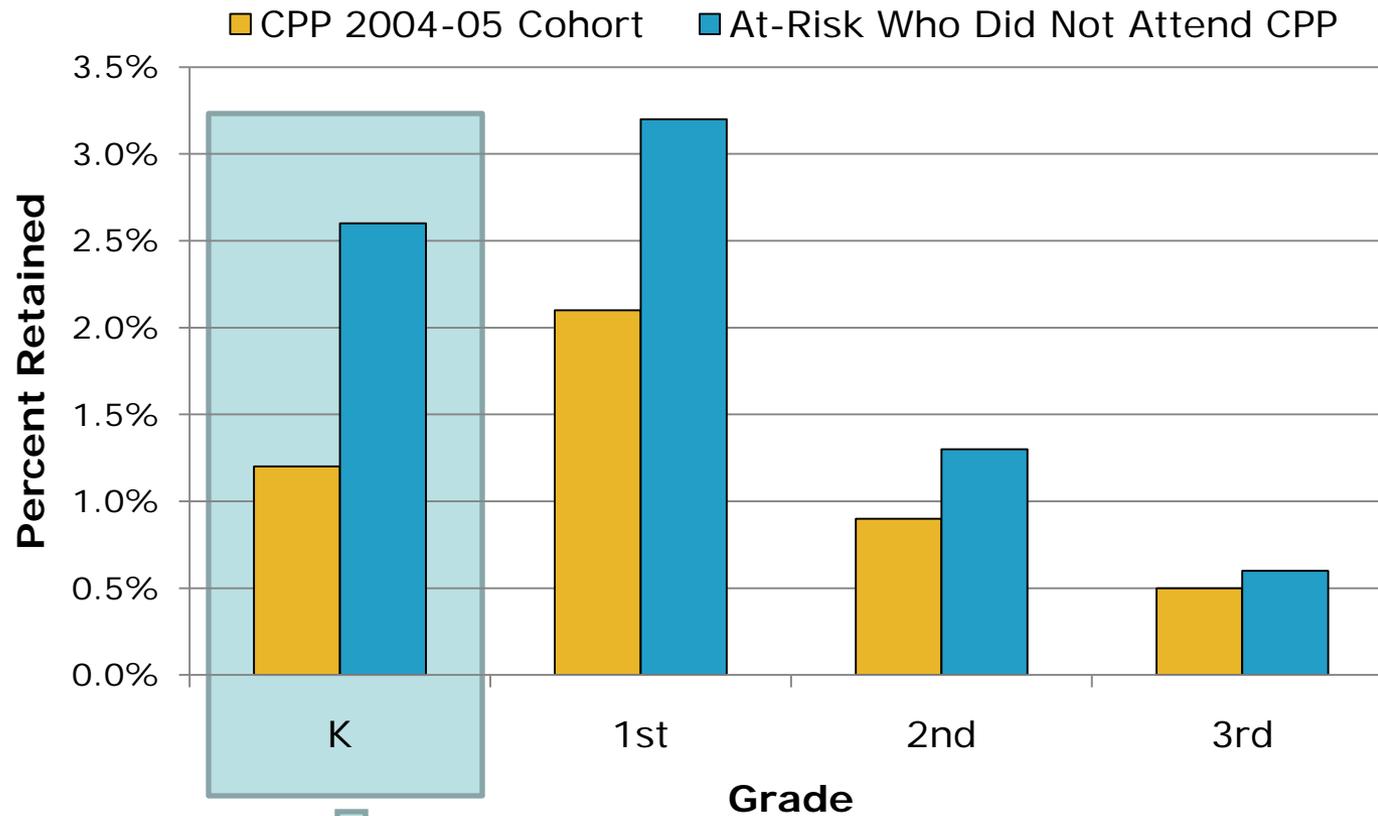
# Retention: Were Children Ever Held Back in a Grade?



## 2005-09 K-3 Cumulative Retention History



## Were children ever retained in...



Retention rate cut in **half!**

# Cost Benefits of CPP

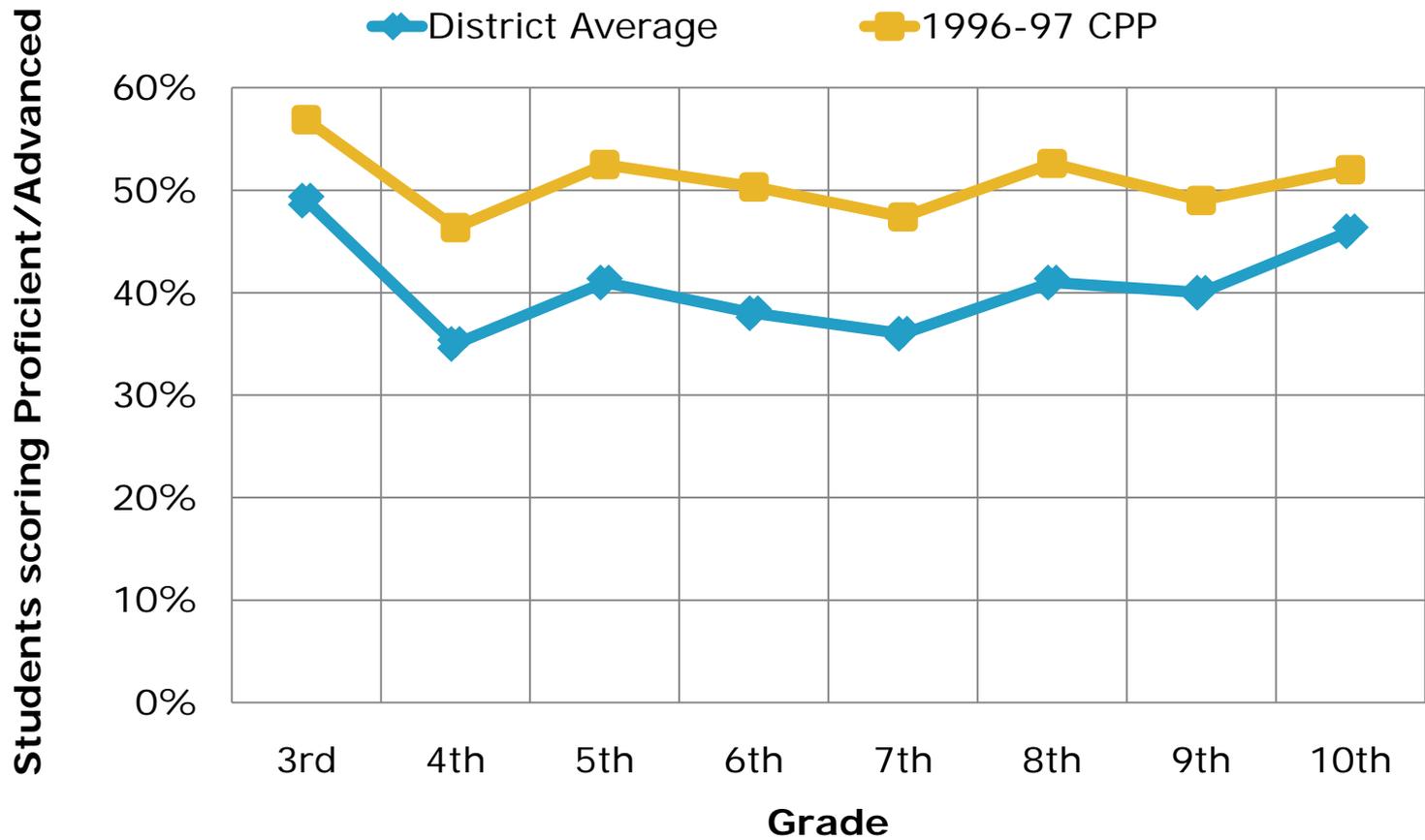
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- Average cost of providing an at-risk child a half-day preschool program (0.5 PPR):  
*\$3,537.75\**
- Average cost of retaining a child in kindergarten (.58 PPR): *\$4,103.79\**
- Average cost of retaining a child in first grade (1.0 PPR) : *\$7,075.50\**

*\*Figures from FY 2010 Funding Levels*

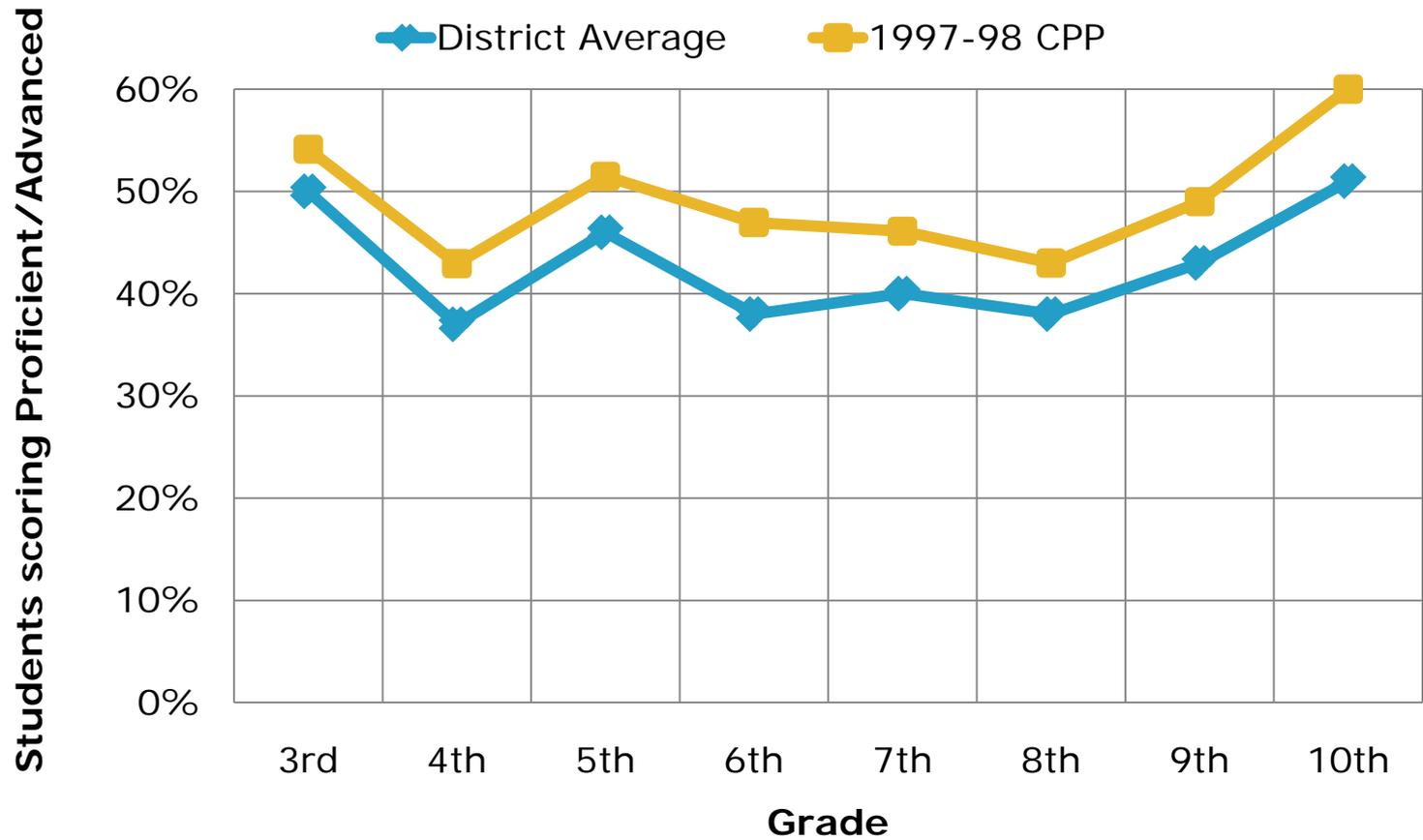
# Denver Public Schools

## CSAP Reading: 2001-08



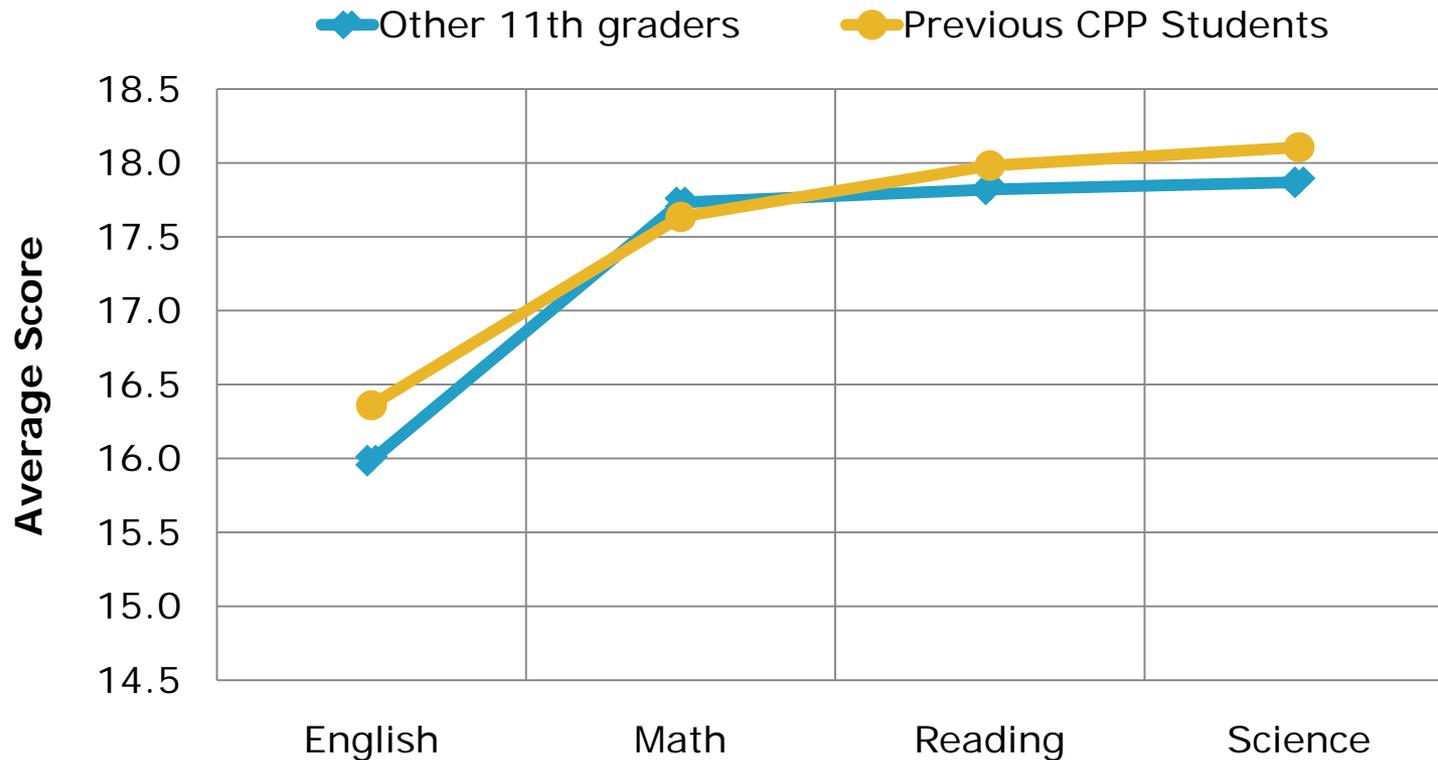
# Denver Public Schools

## CSAP Reading: 2002-2009



# Denver Public Schools

## ACT College Entrance Exam Outcomes (Combined Average Scores: 2009-2010)



# CPP - The Bottom Line

- ☑ Saves taxpayer money by reducing number of children held back in K-3
- ☑ Reduces need for intensive intervention for children scoring “unsatisfactory” on CSAP
- ☑ Closes the achievement gap with durable effects beyond preschool
- ☑ Reaches variety of children in diverse settings while maintaining high quality

**Early experiences can translate into school readiness, academic success, and lifetime well-being.**

**Success builds upon success.**

**When more children in a community are ready to learn, communitywide levels of human and social capital rise.**

James Heckman  
Nobel Prize Winner  
Economics