

Exploring the Link

Family Outcomes Data and
DRDP Child Development Data

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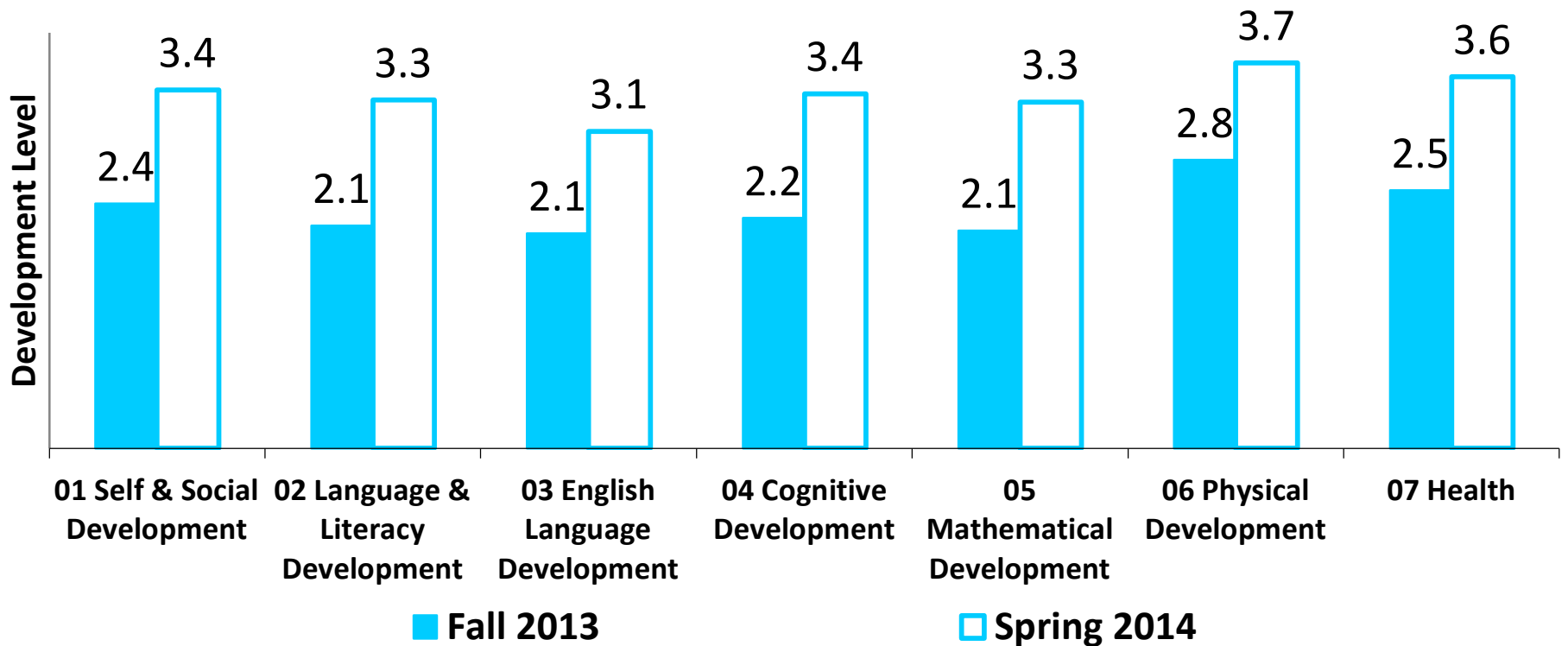
Since 2006, CCR Analytics has consistently raised the bar on the quality of analysis conducted on the operational data of early education agencies. From child assessment, parent outcomes and school readiness reports, we strive to integrate the latest statistical and research methods into our work with early education agencies.

Agenda

- DRDP Child Assessment Results
- CCR Family Outcomes Results
- Methodology
- Connection between DRDP and CCR Family Outcomes Results
- Summary
- Where to go from here?

DRDP Child Assessment Results

Fall 2013 to Spring 2014 DRDP Domain Comparison



Need To Be Clear About Family Engagement Measures

What Are We Measuring?

- Parent Satisfaction
- Family Engagement Effort
- Family Strengths, Needs, & Interests
- Family Outcomes (Effect)

Two Approaches To Measuring Family Outcomes

- Changes Between Pre and Post Measures of Family Strengths, Needs, & Interests (e.g. Self-Sufficiency Matrix)
- Post-Only Survey of Parent Opinion on Specific Area of How They Benefited From the Program (e.g. CCR Family Outcomes Survey)

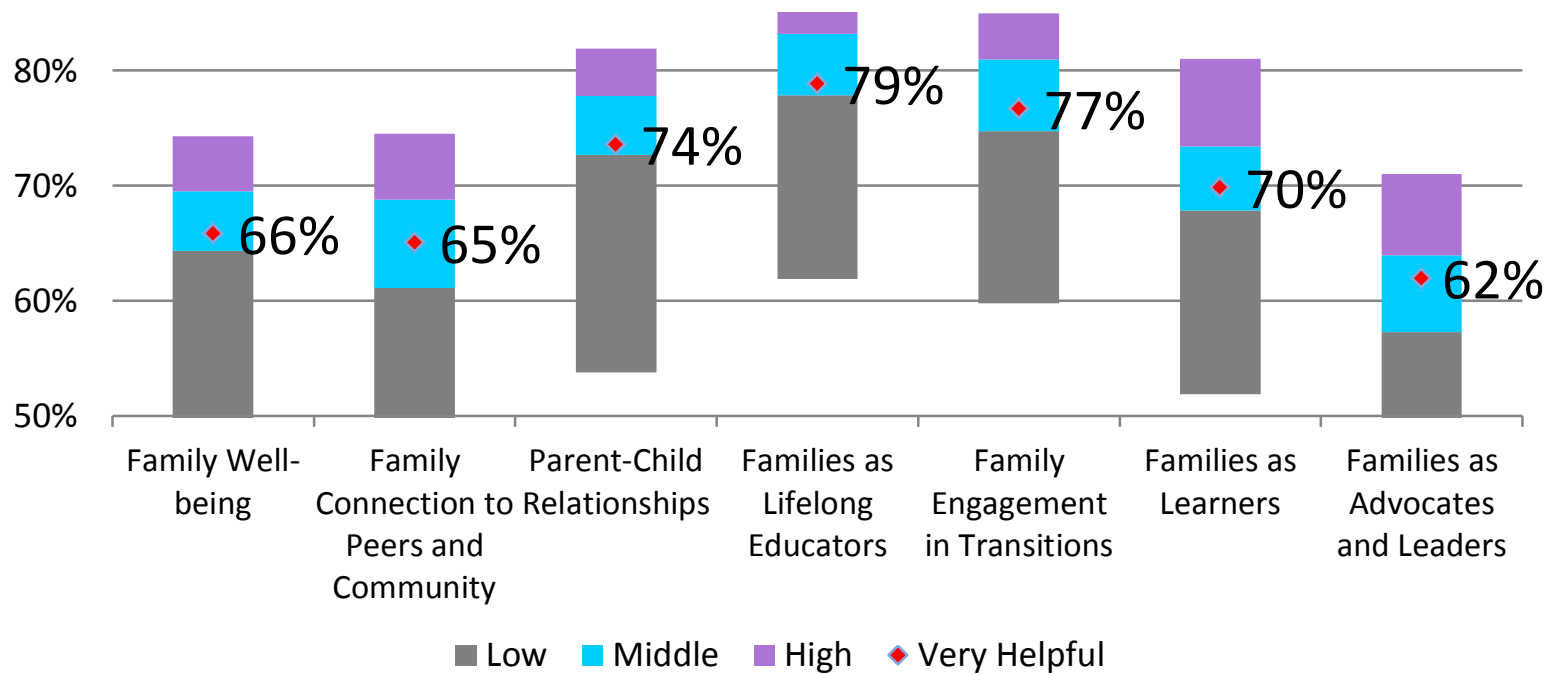
CCR Family Outcomes Survey

- Survey aligned to the 7 Outcomes Areas of the Head Start Parent and Family Engagement Framework
- 54 Questions, asking “How Helpful Was the Program...”
- Focus group tested to be reliable with Head Start parents
- Tested for Psychometric Reliability
- Questions written at the 4th grade reading level



Family Outcomes Compared to Head Start Benchmarks

How Much Did the Program Help You and Your Family
Percentage of “Very Helpful” Compared to Head Start Benchmarks



Where Do You Expect the Linkage?

	Self & Social	Language & Literacy	English Language	Cognitive	Math	Physical	Health
Family Well-Being							
Parent-Child Relationships							
Families as Life-long Educators							
Families Engagement in Transitions							
Families as Learners							
Families Connections to Peers and Community							
Families as Advocates and Leaders							

How do we get there?

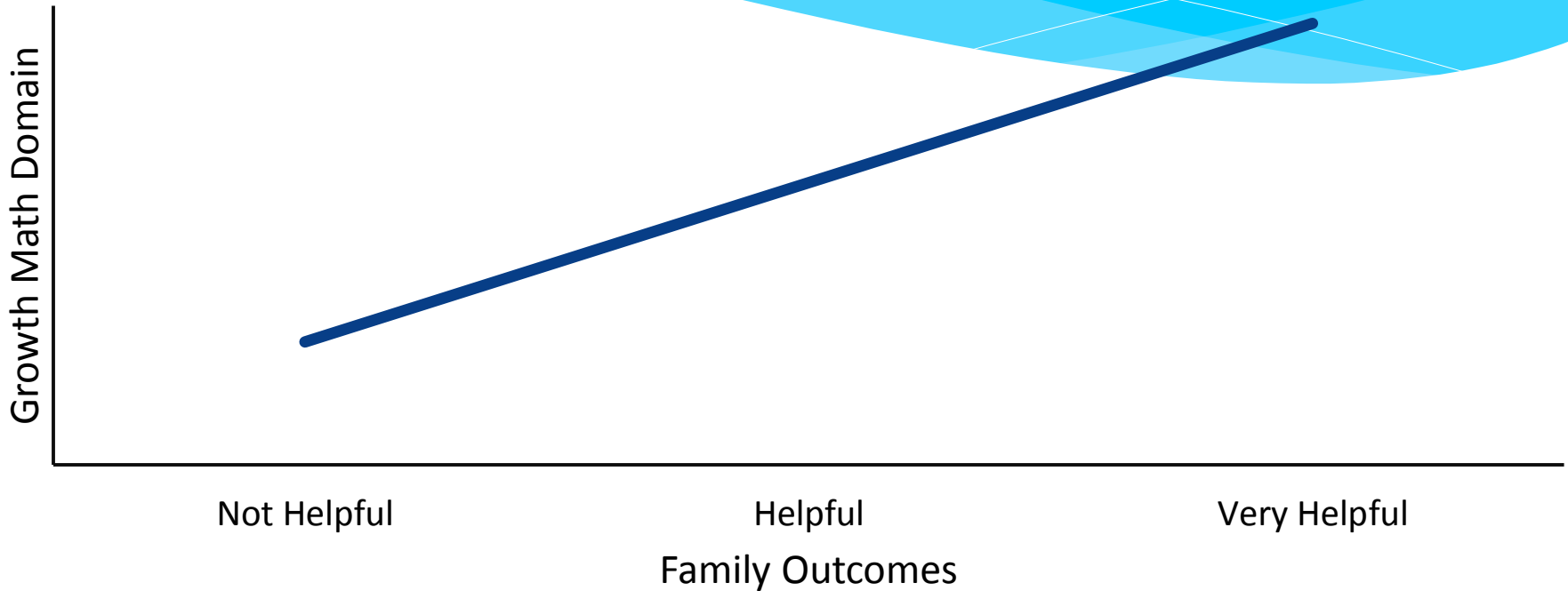
A Brief Overview of Methodology

Process to Link Child and Family Data

- Need child/family level data for both child assessments and family outcomes measurement.
(You cannot do the analysis with summarized data).
- Analyze each child development domain one at a time using multiple regression.
(The domain level data serves as your dependent variable. Analyze at the domain, not the measure level).
- Include as many other variables that may impact child development as possible.

Positive Impact on Math Development

Relationship Between Family Outcomes and Child Growth

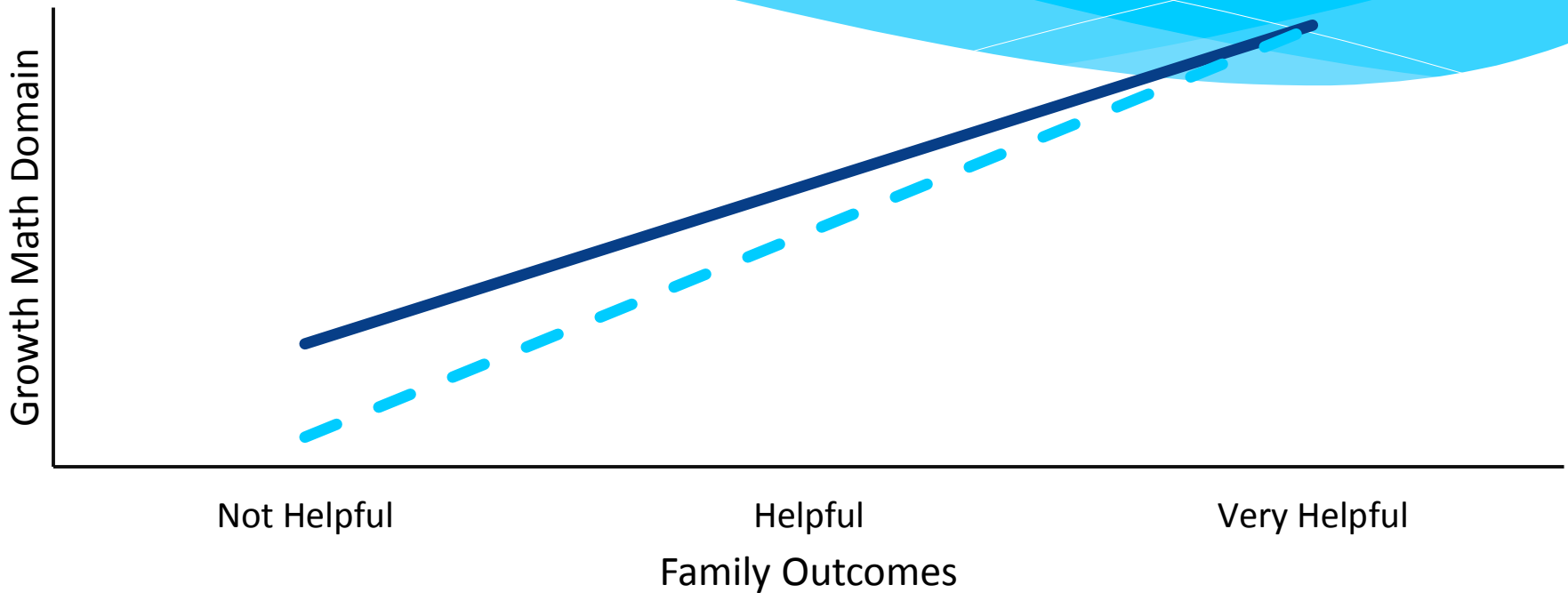


— Family Well-Being, Confidence Level = 95.8%

Controlling for Child Age, Parent Age, Starting Developmental Level, Prior Enrollment, Child Gender, Child Ethnicity & Language, Housing Stability, Single or Two Parent Household, and other factors.

Positive Impact on Math Development

Relationship Between Family Outcomes and Child Growth



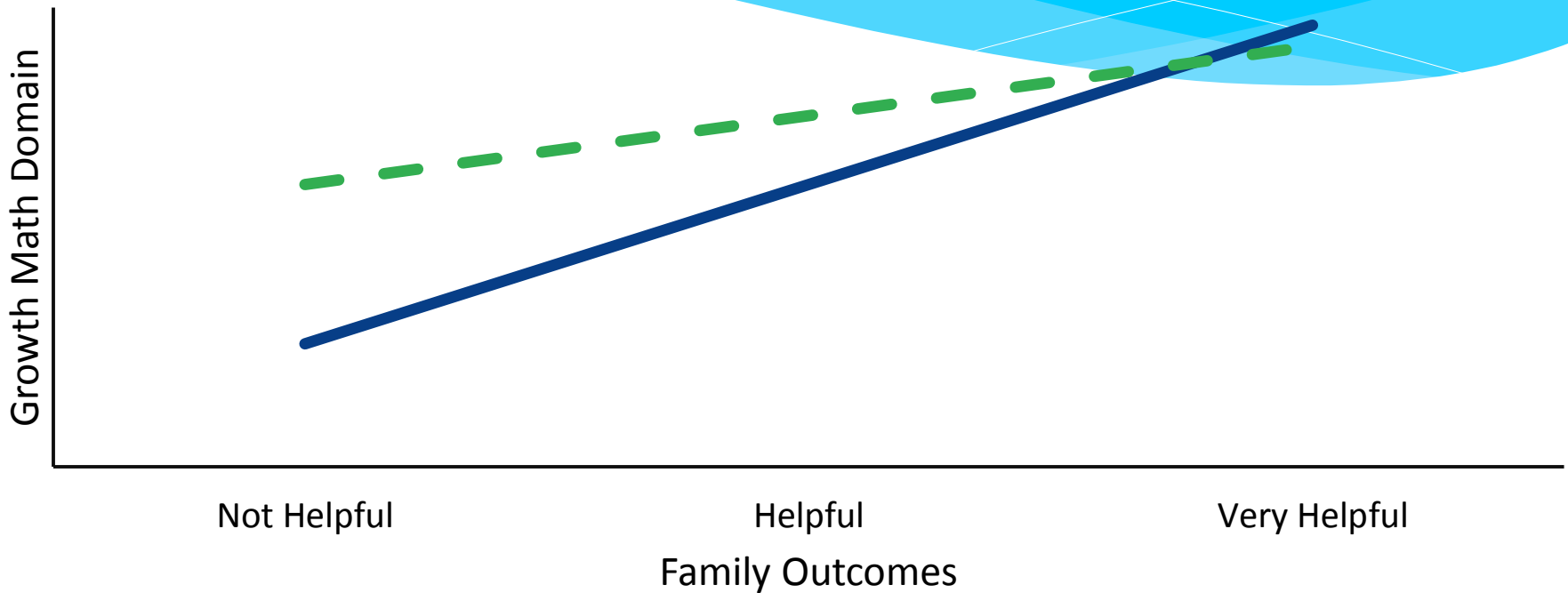
— Family Well-Being, Conf. Level = 95.8%

- - Families as Lifelong Educators, Conf. Level = 98.8%

Controlling for Child Age, Parent Age, Starting Developmental Level, Prior Enrollment, Child Gender, Child Ethnicity & Language, Housing Stability, Single or Two Parent Household, and other factors.

Positive Impact on Math Development

Relationship Between Family Outcomes and Child Growth



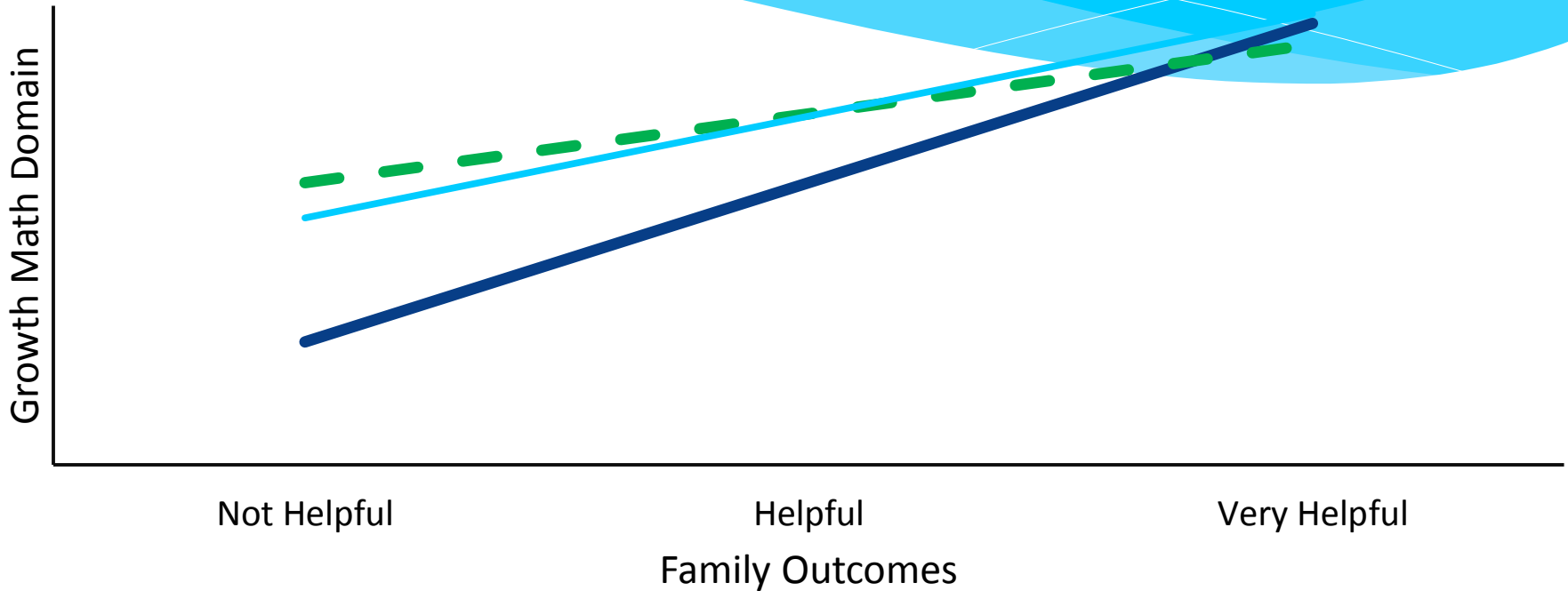
— Family Well-Being, Conf. Level = 95.8%

- - Family Connection to Peers and Community, Conf. Level = 69.4%

Controlling for Child Age, Parent Age, Starting Developmental Level, Prior Enrollment, Child Gender, Child Ethnicity & Language, Housing Stability, Single or Two Parent Household, and other factors.

Positive Impact on Math Development

Relationship Between Family Outcomes and Child Growth



Family Well-Being, Conf. Level = 95.8%

Family Connection to Peters and Community, Conf. Level = 69.4%

Families as Advocates and Leaders, Conf. Level = 91.1%

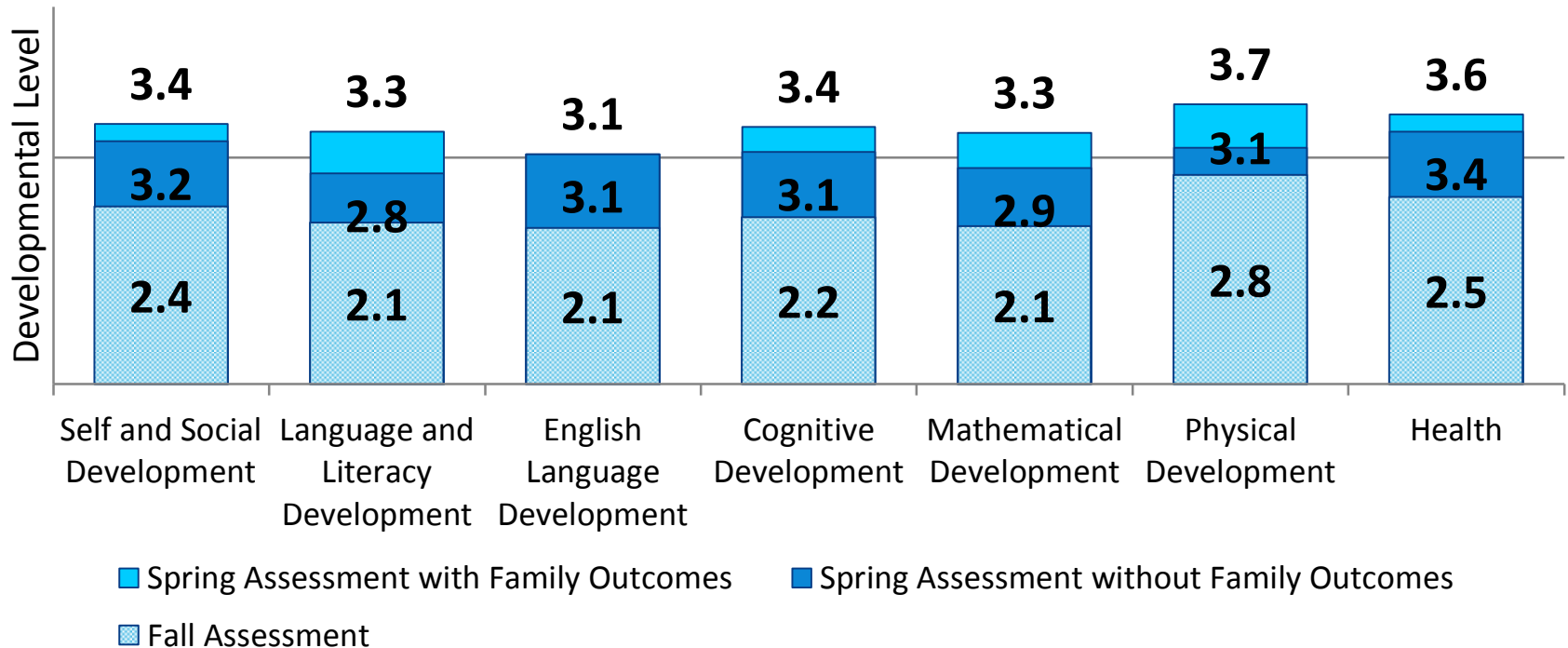
Controlling for Child Age, Parent Age, Starting Developmental Level, Prior Enrollment, Child Gender, Child Ethnicity & Language, Housing Stability, Single or Two Parent Household, and other factors.

What was the Impact on Child Development?

The Connection Between Family Outcomes and Child Outcomes

Family Outcomes Correlated with Child Outcomes Across Most Domains

Fall 2013 to Spring 2014 DRDP Domain Comparison –
 Impact of Family Outcomes on Child Development
 Average Developmental Level for Children Matriculating to Kindergarten

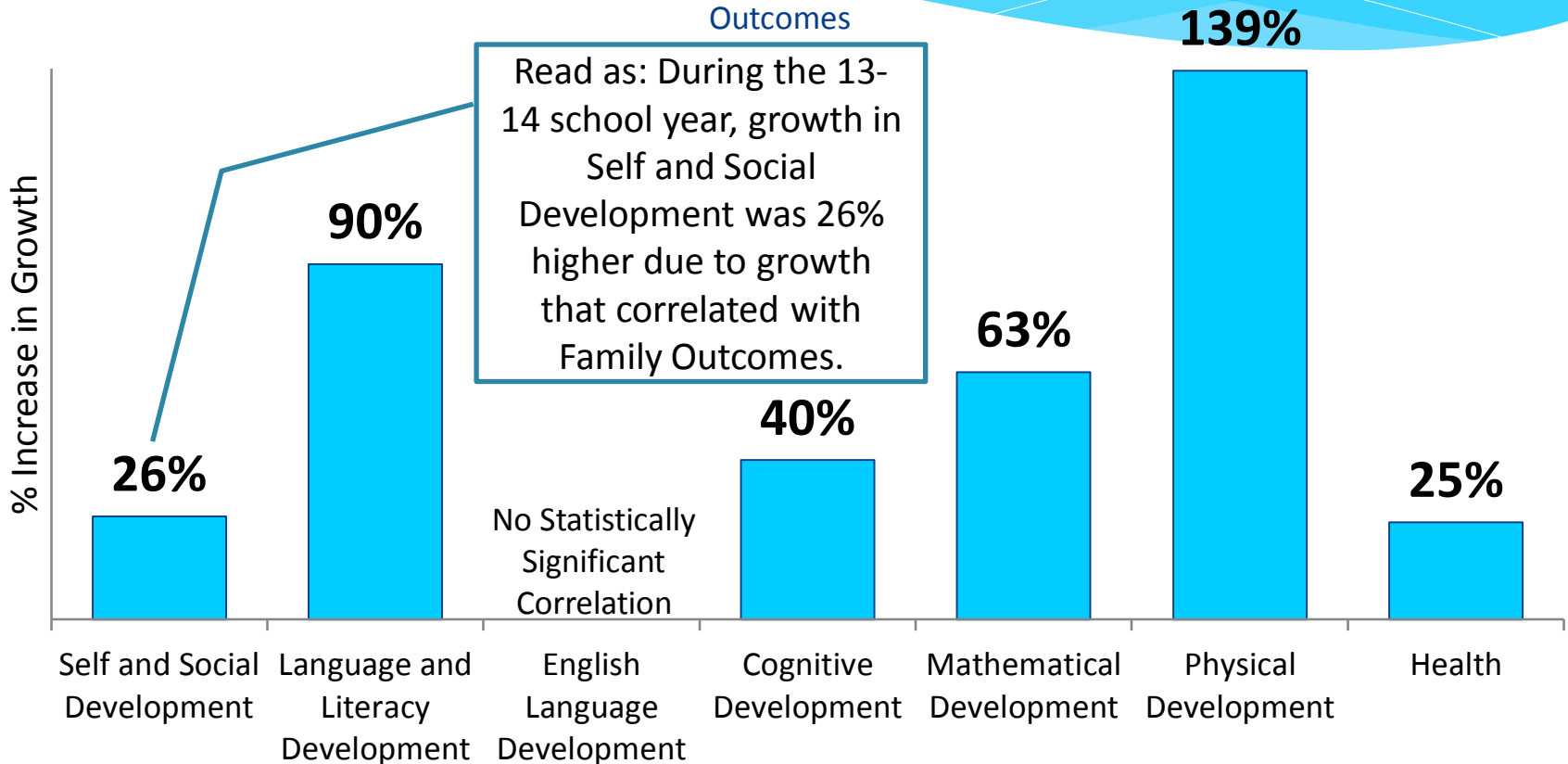


Notes

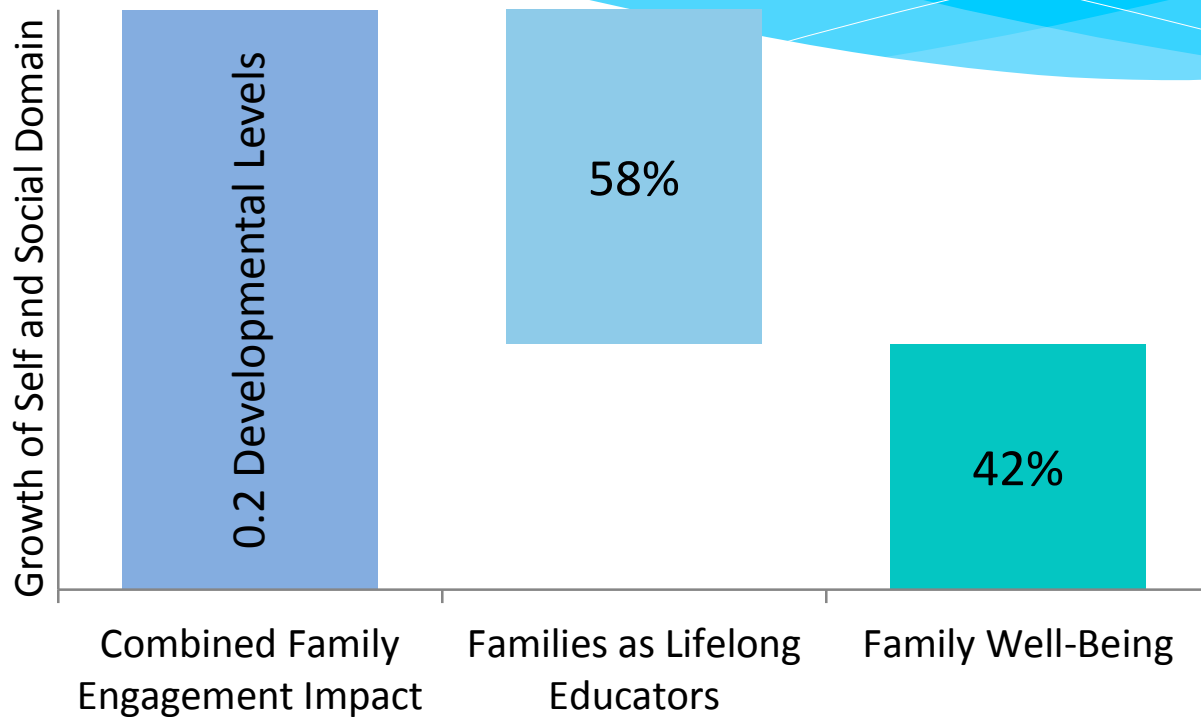
The Association Between Child Outcomes and Family Outcomes was Large

Increase in Child Growth by Domain

Percentage Increase in Growth (Spring Score minus Fall Score) Correlated with Family Outcomes

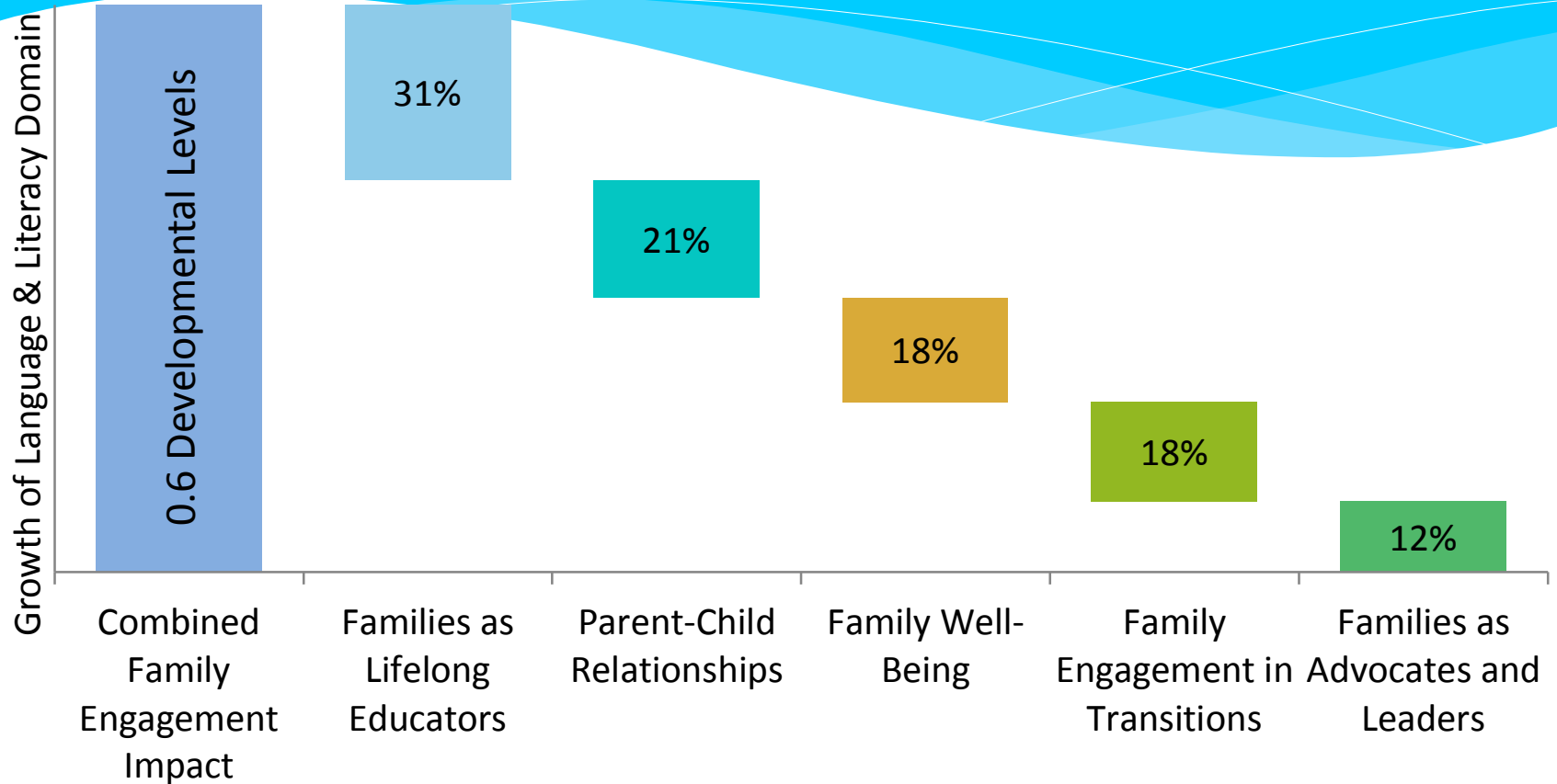


Self and Social Development Connections by Family Outcome Area



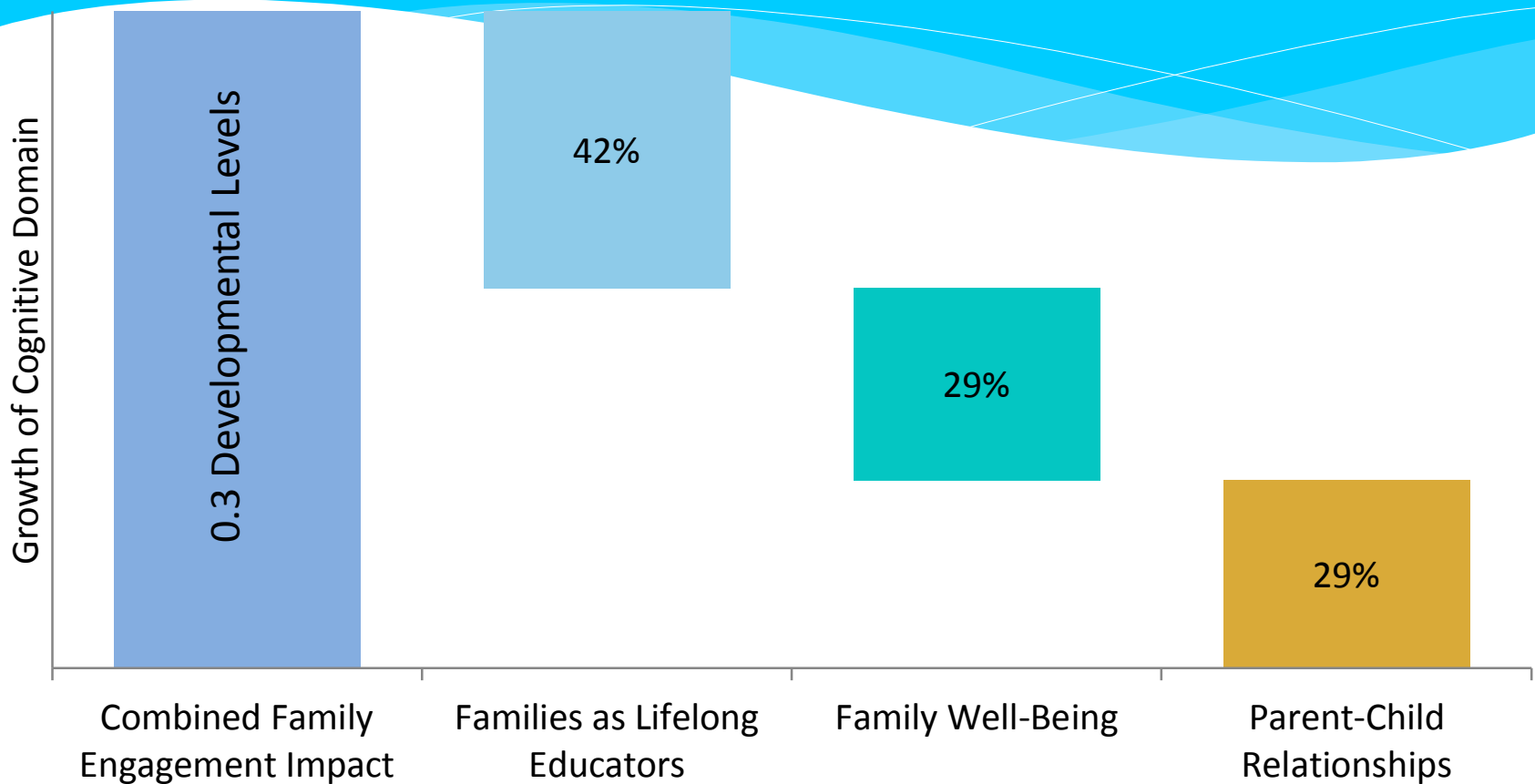
We did not see a statistically significant correlation between growth in Self & Social Development and the following Family Outcome Areas: Parent-Child Relationships, Families as Learners, Family Engagement in Transitions, Family Connection to Peers and Community, and Families as Advocates and Leaders.

Language and Literacy Development Connections by Family Outcome Area



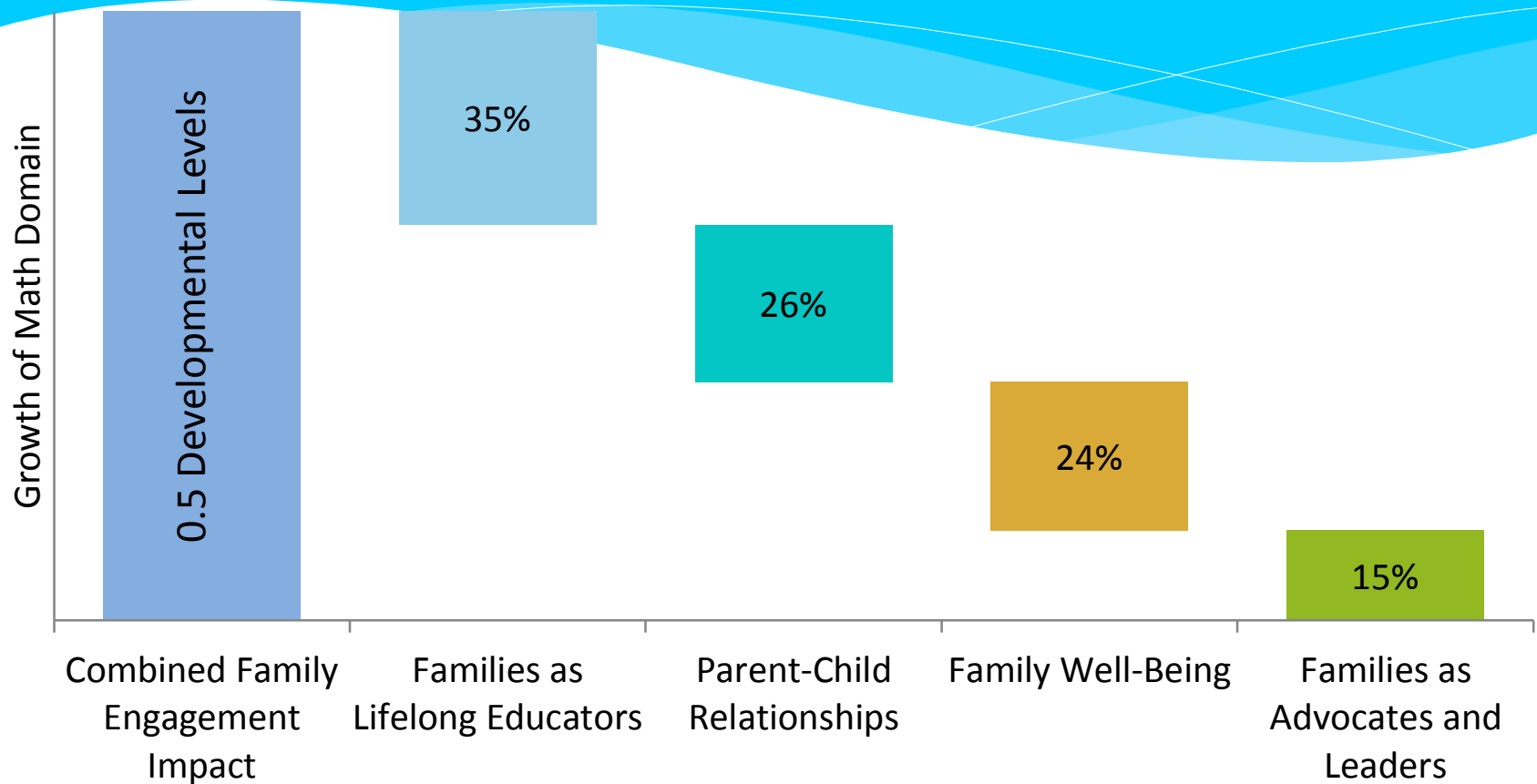
We did not see a statistically significant correlation between growth in Language & Literacy and the following Family Outcome Areas: Families as Learners and Family Connection to Peters and Community.

Cognitive Development Connections by Family Outcome Area



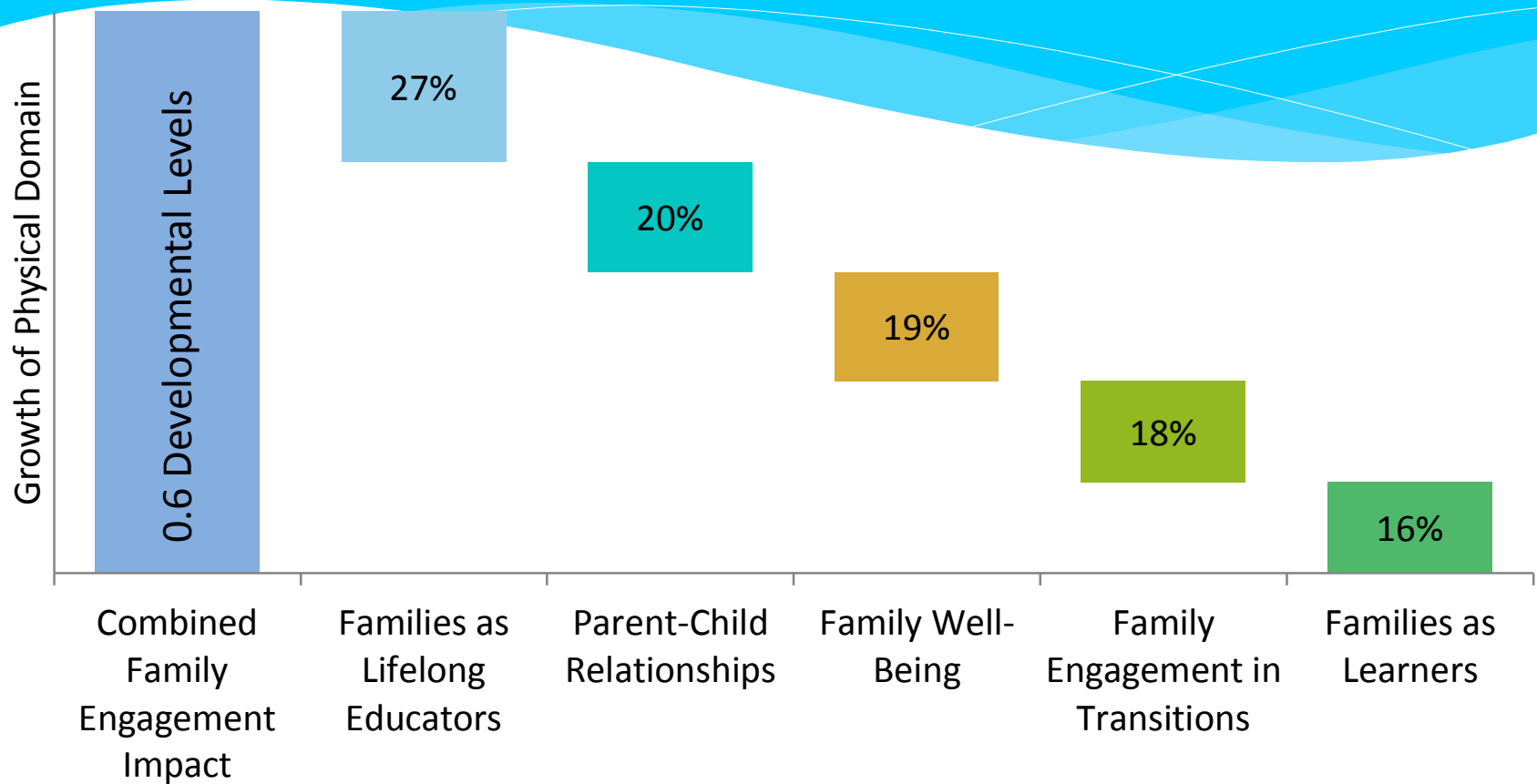
We did not see a statistically significant correlation between growth in Cognitive Development and the following Family Outcome Areas: Families as Learners, Family Engagement in Transitions, Family Connection to Peters and Community, and Families as Advocates and Leaders.

Mathematical Development Connections by Family Outcome Area



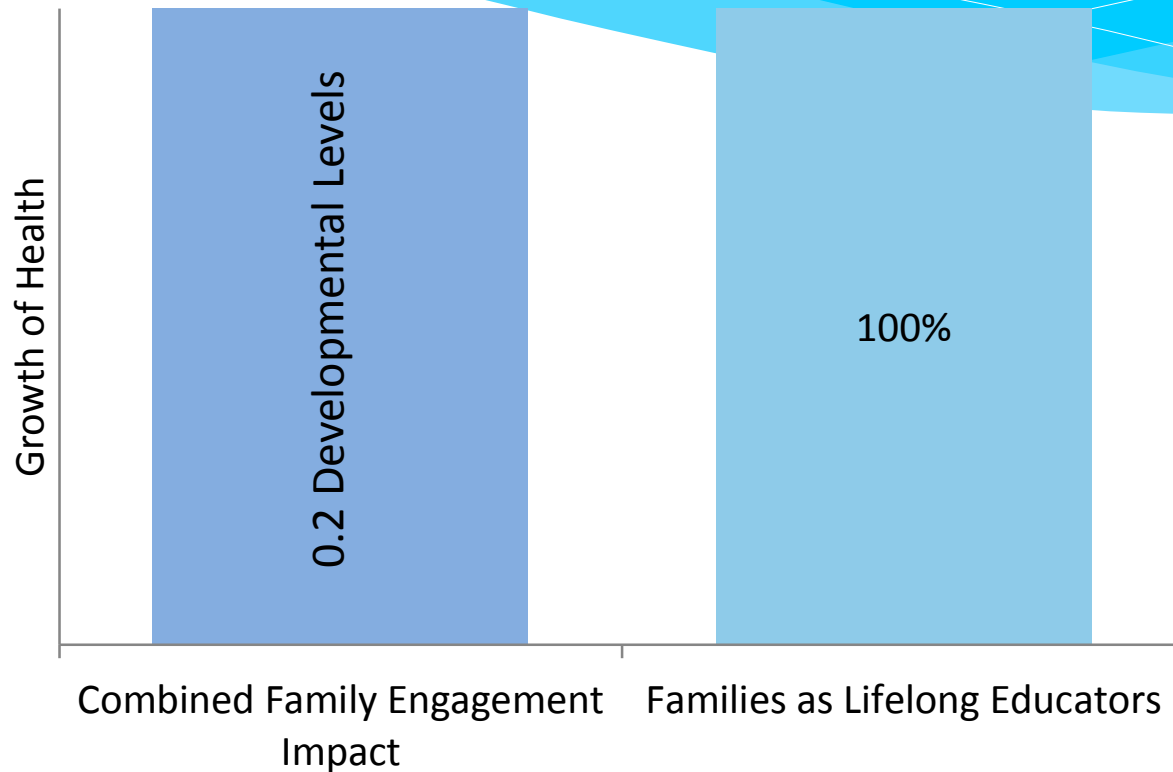
We did not see a statistically significant correlation between growth in Math and the following Family Outcome Areas: Families as Learners, Family Engagement in Transitions, and Family Connection to Peters and Community.

Physical Development Connections by Family Outcome Area























We did not see a statistically significant correlation between growth in Physical Development and the following Family Outcome Areas: Family Connection to Peters and Community and Families as Advocates and Leaders.

Health Connections by Family Outcome Area



We did not see a statistically significant correlation between growth in Health and the following Family Outcome Areas: Family Well-Being, Parent-Child Relationships, Families as Learners, Family Engagement in Transitions, Family Connection to Peters and Community, and Families as Advocates and Leaders.

Exploring the Link -- Summary

	Self & Social	Language & Literacy	English Language	Cognitive	Math	Physical	Health
Family Well-Being			-				-
Parent-Child Relationships	-		-				-
Families as Life-long Educators			-				
Families Engagement in Transitions	-		-	-	-		-
Families as Learners	-	-	-	-	-		-
Families Connections to Peers and Community	-	-	-	-	-	-	-
Families as Advocates and Leaders	-		-	-		-	-

Where do we Go From Here?

- How do we celebrate the good?
- What potential action items come out of this analysis?
- How do those potential action items fit into the organizational priorities?
- How do we link these measures of “effect” to measures of effort?



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