

## Promoting Resilient Children Program

Governor's Early Childhood Advisory Committee  
May 2013



## Promoting Resilient Children Program

- Delivers Early Childhood Mental Health Consultation Services in Hamilton County Ohio
- Currently Serving:
  - 31 Early Childhood Programs
  - 198 Early Childhood Professionals
  - 1,313 Children Ages 0-5 Years

## Promoting Resilient Children Program

### Program Evaluation:

- Child Outcomes:
  - Devereux Early Childhood Assessment (DECA)
    - Protective Factors: Initiative, Attachment, Self Control
    - Total Protective Factors Scale
    - Behavior Concerns Screen
- Professional Outcomes
  - Teacher and Director Surveys

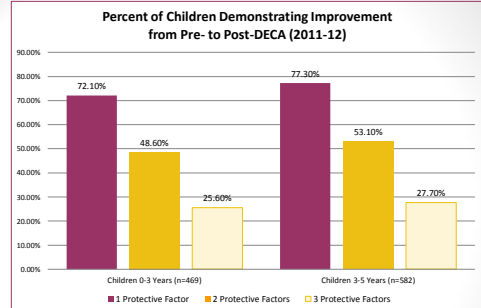
## Promoting Resilient Children Program

Demographic information was gathered on 2,004 children from participating sites in fall 2012

- 67.2% were in households with income below 200% of the Federal Poverty Guidelines
- 42.2% were African American, 35.1% were Caucasian, 18.4% were Multi-Racial or Other
- 10.7% were Hispanic
- 92.6% lived in Hamilton County

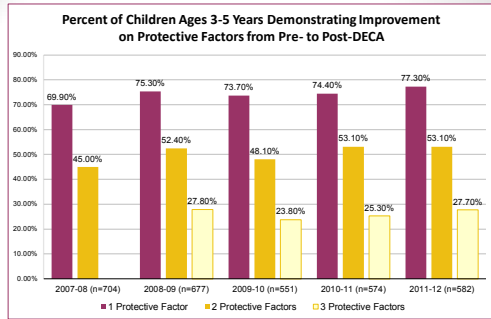
## 2011-12 Performance Measure Results

2011-12 Performance Measures	Actual	Target	Results
Children attend high quality rated early care and education programs a minimum of six months	77.1% of 1,363 (1,051)	75% of 1000 (750)	↑
Children (ages 0-3 years) enrolled for a minimum of six months demonstrate progress in social and emotional development	72.1% of 469 (338)	60% of 400 (240)	↑
Children (ages 3-5 years) enrolled for a minimum of six months demonstrate progress in social and emotional development	77.3% of 582 (450)	60% of 600 (360)	↑
Children attend high quality rated early care and education programs a minimum of one year	49.7% of 1,363 (678)	50% of 1000 (500)	↔
Children attend high quality rated early care and education programs a minimum of two years	20% of 1,363 (272)	25% of 1000 (250)	↓
Children (ages 3-5 years) enrolled for a program year are assessed age-appropriate in social and emotional development or meet IFSP or IEP goals.	90.5% of 677 (613)	70% of 500 (350)	↑

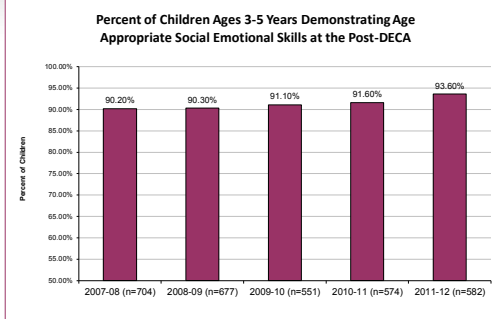


Sites receiving PRC services assess children twice during the school year, in the fall and spring, using the DECA.

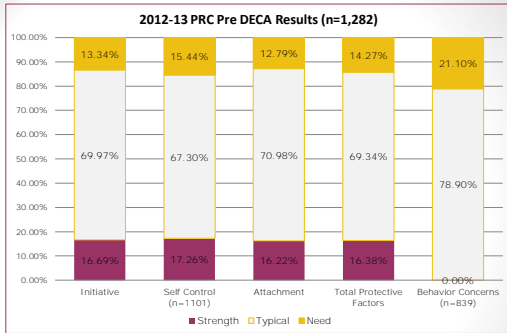
Children's improvement in the Protective Factors (Initiative, Attachment, Self Control) is measured from the pre- to post-assessment. The table reports the percent of children demonstrating improvement on 1, 2, and 3 of the Protective Factors.



PRC has achieved consistent results since it began offering services in 2007. Approximately 75% of children demonstrate improvement in at least one Protective Factor (Initiative, Attachment, Self Control) from the pre- to post-assessment.



The percent of children scoring in the Typical or Strength range (t-score > 39) on the Total Protective Factors scale, an aggregate scale of the three Protective Factors, at the post-assessment has slightly increased each year.

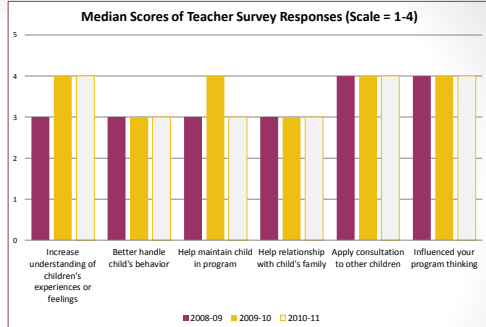


In the 2012-13 school year, PRC gathered pre-DECAs from 1,282 children. Post-DECAs were completed in mid-May 2013. Results are still being analyzed.

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### Teacher Survey Results (2010-11):

- 93% of responding teachers reported a moderate to substantial increase in understanding of children's experiences or feelings
- Responses were consistent with results from the previous two years
- Beginning in 2011-12 school year, a different survey was used, results are shared on a later slide

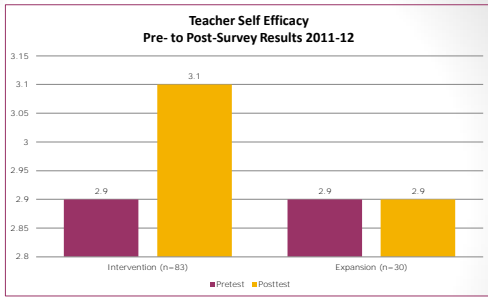


Median scores from teacher survey for selected questions on the impact of ECMHC services on teacher and program practices.

## Promoting Resilient Children Program

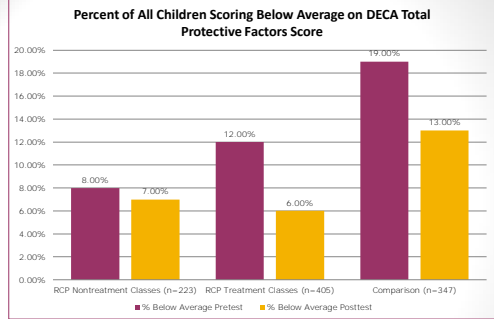
### Social Innovation Fund:

- Three year Federal grant (2011-2014) managed by the United Way of Greater Cincinnati and the Strive Partnership
- Provides resources to engage in rigorous evaluation in partnership with an Early Childhood Mental Health Consultation (ECMHC) program in Northern Kentucky
- A comparison group research design:
  - Intervention: had previously been receiving ECMHC services
    - Treatment Classes = Classroom receiving direct ECMH consultation services
    - Nontreatment Classes = Classrooms in a site receiving ECMH consultation but do not have a consultant in the classroom
  - Comparison: began receiving ECMHC services in 2012-13
- External evaluation services provided by the University of Cincinnati's Evaluation Services Center



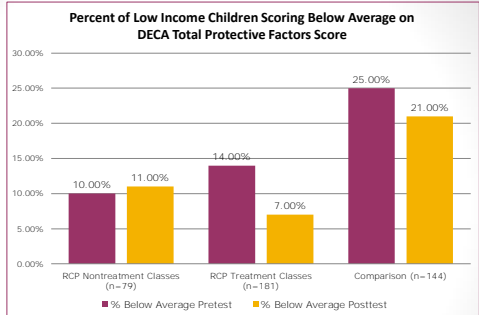
**Teacher Self Efficacy:** Feelings of self efficacy and competence when supporting children's social and emotional needs and pro-social behavior.

Teachers in intervention sites reported statistically significant increases in levels of self efficacy for meeting children's social and emotional needs over the course of the school year. (A t-test of means from pretest to posttest resulted in  $t = 3.0, p. < .01$ ). Teachers in the expansion sites showed no change in this area.



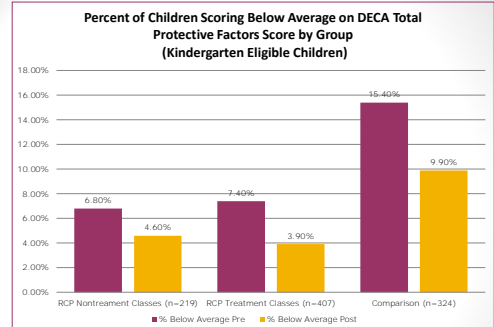
The percent of children falling in the 'Area of Need' (a t-score less than 40).

The RCP Treatment Classes reported the greatest decline in children scoring below average, cutting the percentage of children by 50%. The Comparison Classes realized a 30% decline from pre- to post-DECA.



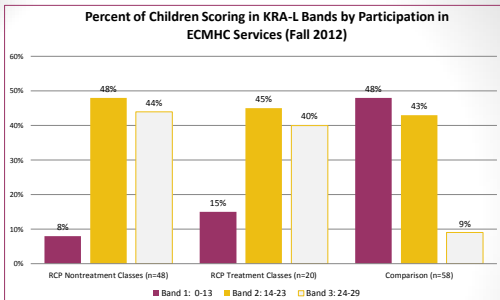
The percent of low income children (family income < \$20,000) falling in the 'Area of Need' (a t-score less than 40).

At the end of the school year, 7% of children in RCP Treatment Classes scored below average as compared to 21% of children in the Comparison Classes.



The percent of children eligible to move on to kindergarten at the end of the 2011-12 school year falling in the 'Area of Need' (a t-score < 40).

The RCP Treatment Classes has the lowest percentage (3.9%) of children scoring below average on the Total Protective Factor scale prior to moving on to kindergarten.



The RCP Treatment and Nontreatment Classes both had higher percentages of children in Bands 2 and 3 than the Comparison Classes.

Comparisons of the 3 groups showed that the average KRA-L Band scores for both the Treatment and Nontreatment Classes were significantly higher ( $F = 19.15, p. = .00$ ) than the average KRA-L Band score for children in the Comparison Classes.

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### Exploring Kindergarten Readiness

- Research shows many factors predict K-readiness.
  - Family variables are known to have powerful effects.
- Advanced analyses explored the combined effects of family income and RCP participation.
- *Linear Regression Analyses* indicated that program participation was positively associated with K-readiness even when controlling for family income.

## Promoting Resilient Children Program

### PRC Program Tenure Study:

- **Goal:** To assess the impact of ECMHC services on program culture
- **Hypothesis:** Children enrolled in Phase 3 PRC sites will have better DECA scores due to improved environments and interactions with children
- **Measurement:** Compared DECA results from fall 2011 from:
  - Phase 3 Sites = Sites receiving ECMHC services for at least three years
  - New Sites = Sites first receiving ECMHC services in fall 2011

### Percent of Children Scoring in the Typical or Strength Range (except Behavior Concerns)

Domain	Phase 3 Sites (n=219)	New Sites (n=81)	Difference
Initiative	85.39%	75.31%	10.08%
Self Control	86.30%	66.67%	19.63%
Attachment	91.78%	79.01%	12.77%
Total Protective Factors	87.21%	69.14%	18.07%
Behavior Concerns (Area of Need)	19.63%	46.91%	-27.28%

The percent of children scoring in the Typical (t-score=41-59) or Strength (t-score=60+) range on the Protective Factors and Total Protective Factors scales on the DECA. On Behavior Concerns, the percent of children scoring in the Area of Need (t-score=60+).

Children enrolled in the Phase 3 Sites demonstrated greater protective factors and fewer behavior concerns than children enrolled in the New Sites.

### Average T Score by Protective Factor

Domain	Phase 3 Sites (n=219)	New Sites (n=81)
Initiative**	51.03	49.01
Self Control*	50.81	47.97
Attachment*	51.57	48.7
Total Protective Factors*	50.4	47.45
Behavior Concerns*	51.21	57.29

\* Statistically significant (p<.05)  
\*\* Statistically significant (p<.10)

The average t-score on the scales on the DECA.

Children enrolled in the Phase 3 Sites had significantly higher t-scores than children in the New Sites across all scales on the DECA.

## Promoting Resilient Children Program

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