

Severe Deprivation: Effects on Attachment and Socioemotional Development



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Institutionalized versus Community Children



Classifications of attachment

* Community

- * 76.7% secure
- * 3.6% avoidant
- * 0.0% resistant
- * 19.7% disorganized
- * 0.0% unclassifiable

* Institution

- * 16.8% secure
- * 4.7% avoidant
- * 0.0% resistant
- * 65.4% disorganized
- * 13.1% unclassifiable

Degree to which attachment has developed

- * 5 -- ABCD patterns of attachment
- * 4 -- Patterns of attachment with behavioral anomalies
- * 3 -- Clear preference but passive
- * 2 -- Preference discernible
- * 1 -- No attachment behaviors evident

Children Living in Institutions

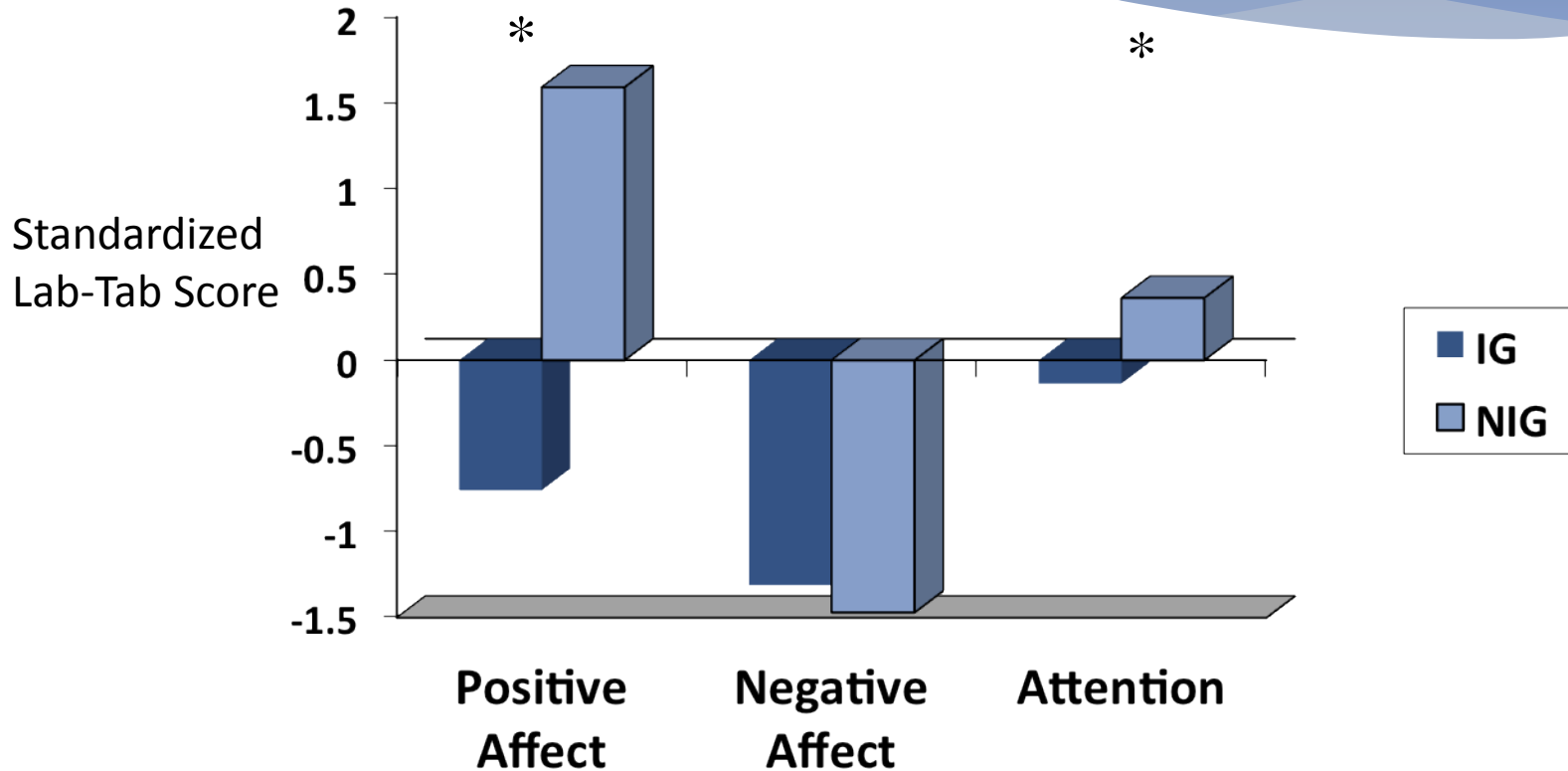
Continuum of Attachment Ratings

| Rating | Community | Institution | Classifications |
|--------|-----------|-------------|---|
| 1 | 0% | 9.5% | Unclassifiable=9 |
| 2 | 0% | 25.3% | Secure=7 Avoidant=3 Disorganized=11 Unclassifiable=3 |
| 3 | 0% | 30.5% | Secure=7 Disorganized=22 |
| 4 | 0% | 31.6% | Secure=3 Disorganized=27 |
| 5 | 100% | 3.2% | Secure=1 Disorganized=2 |

Eliciting positive affect



Differences between IG & NIG at Baseline (Entry into the Study)



($F(1,181) = 13.00, p = .000$)

• ($F(1,182) = 5.22, p < .05$)

Foster care

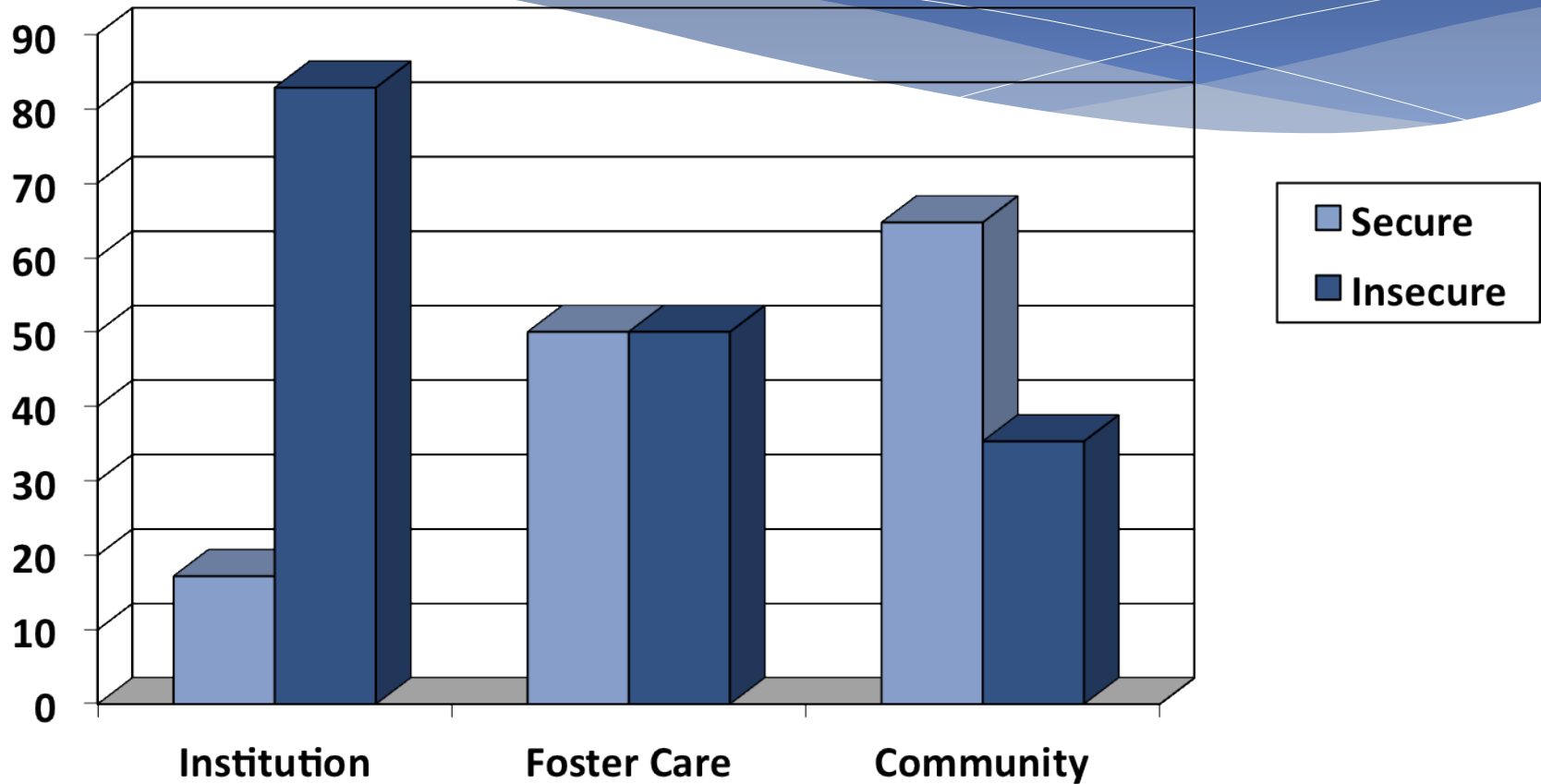
- * Explicitly encouraged foster parents to attach
- * Frequent contact by BEIP social workers
- * 87% placement stability through 54 months of age
- * Higher caregiving quality at 30 and 42 months based on observational ratings



Results of intervention:



Secure attachment at 42 months



CAUG < FCG = NIG

Security Score by Group

| | Group | | |
|----------------|----------------|----------------|----------------|
| | CAUG | FCG | NIG |
| Security Score | 3.11 (1.32) | 4.65 (1.66) | 5.48 (1.52) |

$F(2,173) = 35.05, p = 000$

CAUG < FCG < NIG

Timing of placement and security of attachment

| % of Children with Secure SSPs | | | | |
|--------------------------------|--------------|------------|-------------|-----------|
| | Younger than | Older than | $\chi^2(1)$ | <i>p</i> |
| 18 mos | 53.8 | 46.8 | | <i>ns</i> |
| 20 mos | 58.8 | 44.2 | | <i>ns</i> |
| 22 mos | 63.6 | 39.5 | 3.26 | .071 |
| 24 mos | 69.0 | 29.0 | 9.57 | .002 |
| 26 mos | 66.7 | 25.9 | 9.87 | .002 |
| 28 mos | 60.0 | 25.0 | 6.54 | .011 |

Preschool Classifications of Attachment

Secure vs. Insecure

Avoidant

Dependent

Disorganized

Controlling

Insecure Other

Typical vs. Atypical

Secure

Avoidant

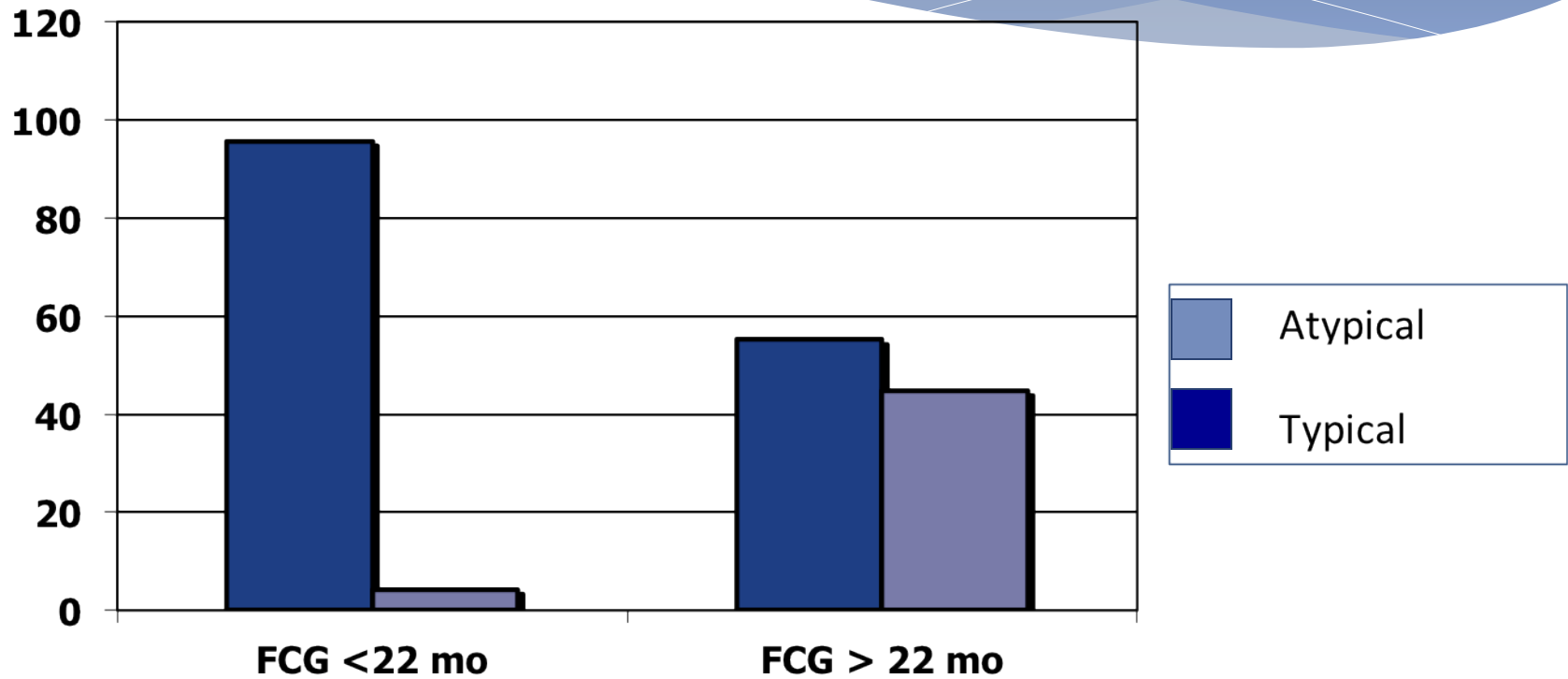
Dependent

Disorganized

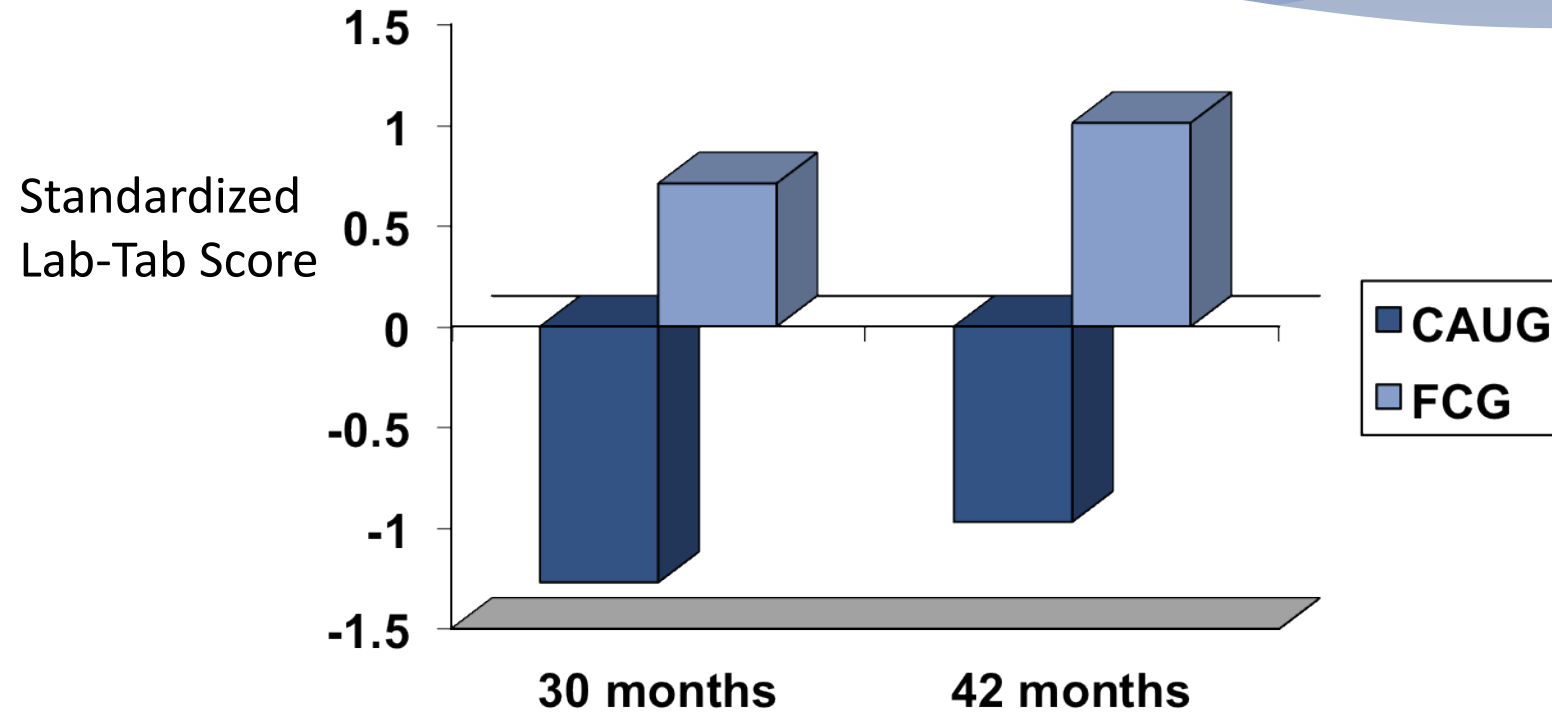
Controlling

Insecure Other

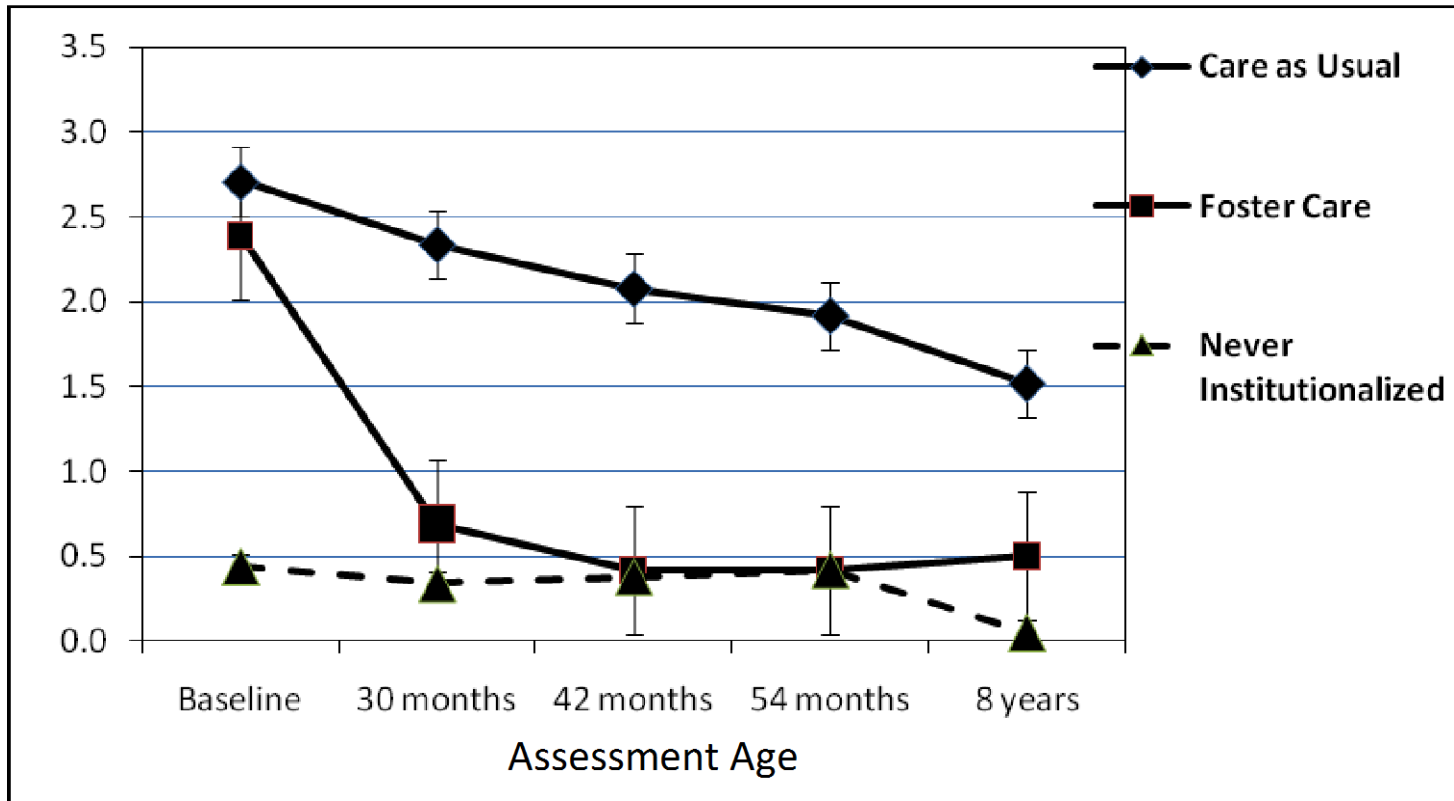
Timing and Typical vs. Not Atypical



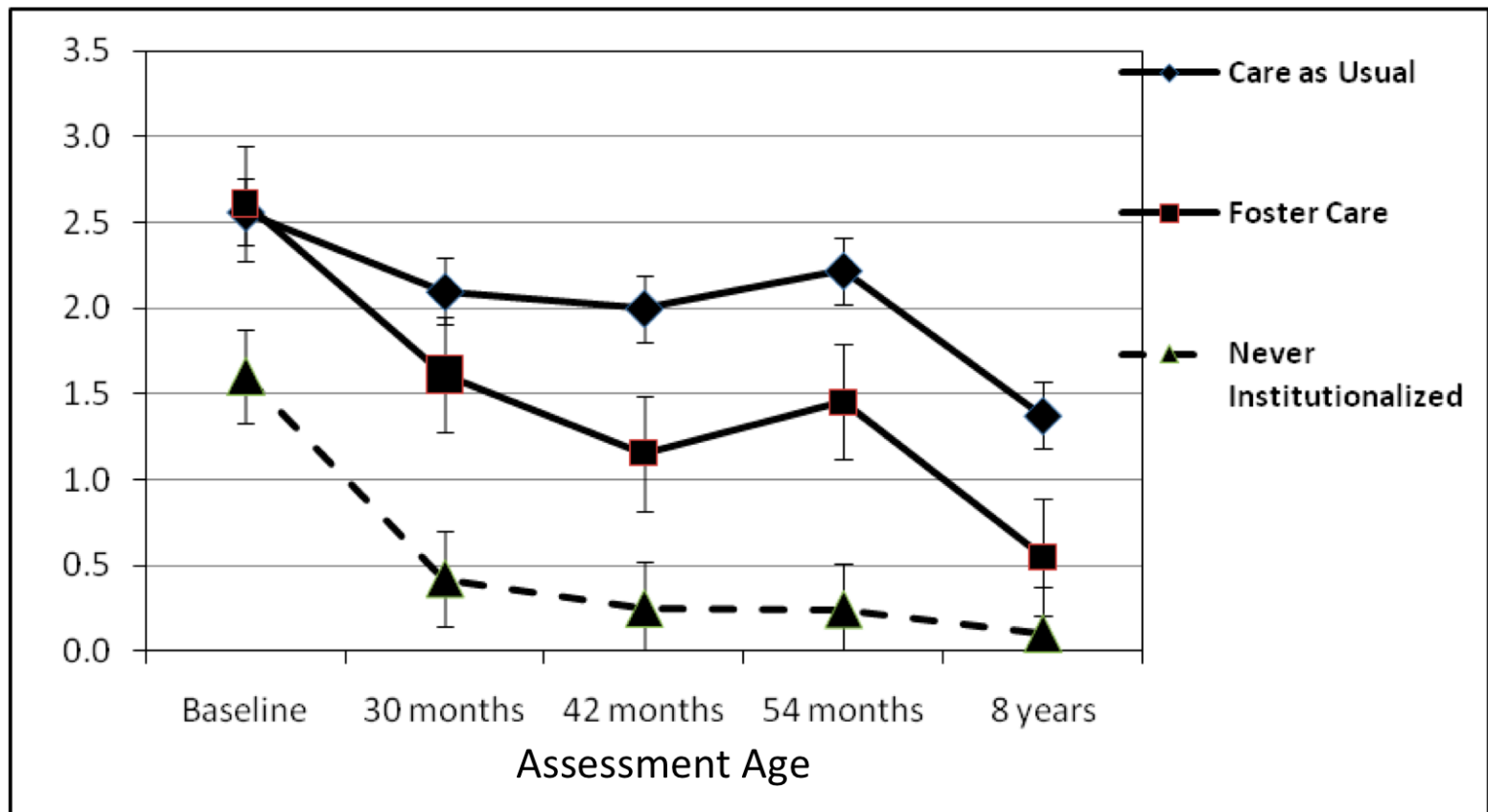
Effects of foster care on expression of positive emotion



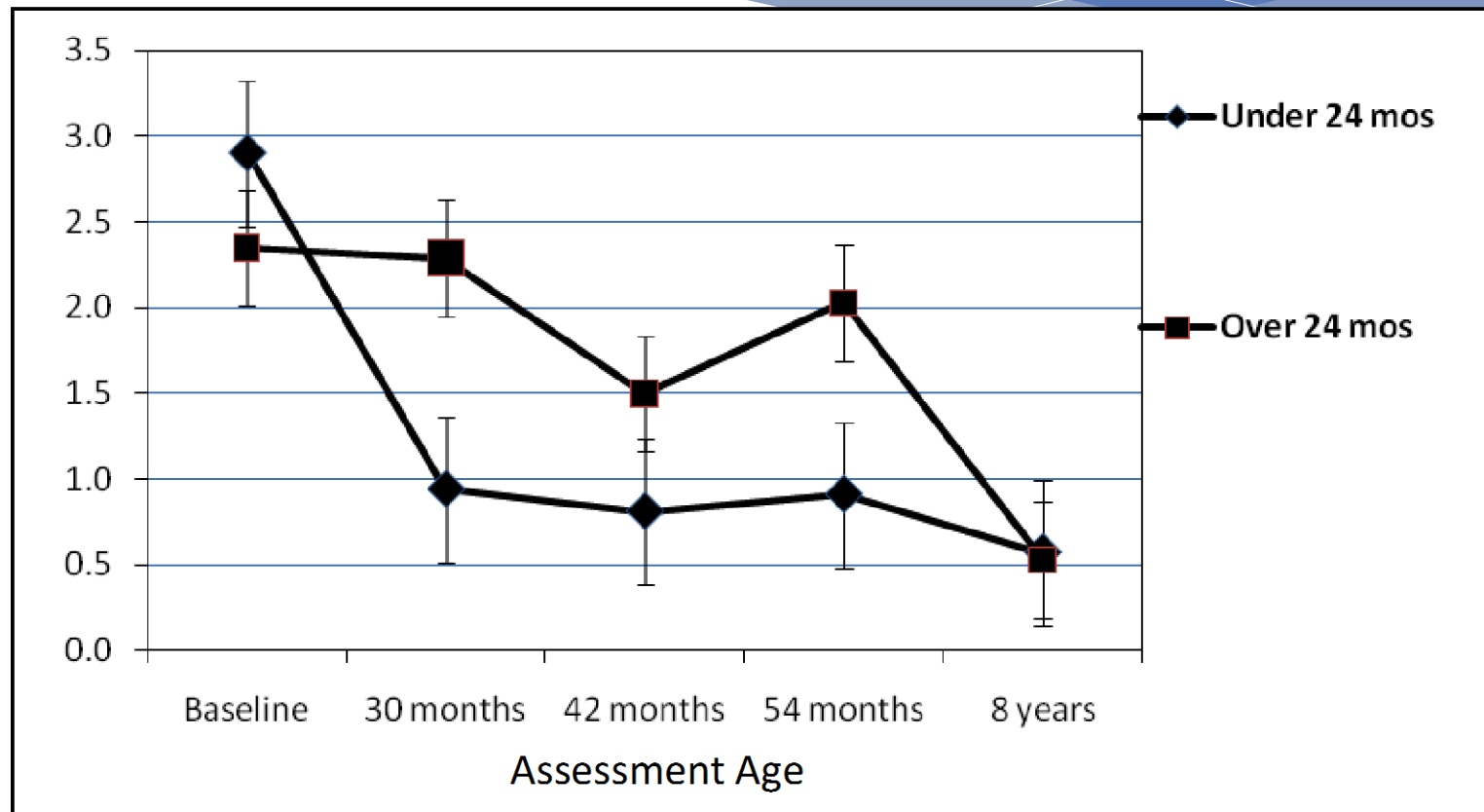
RAD Emotionally Withdrawn/Inhibited



RAD Indiscriminate/Disinhibited



Effects on Timing of Placement on Indiscriminate Behavior

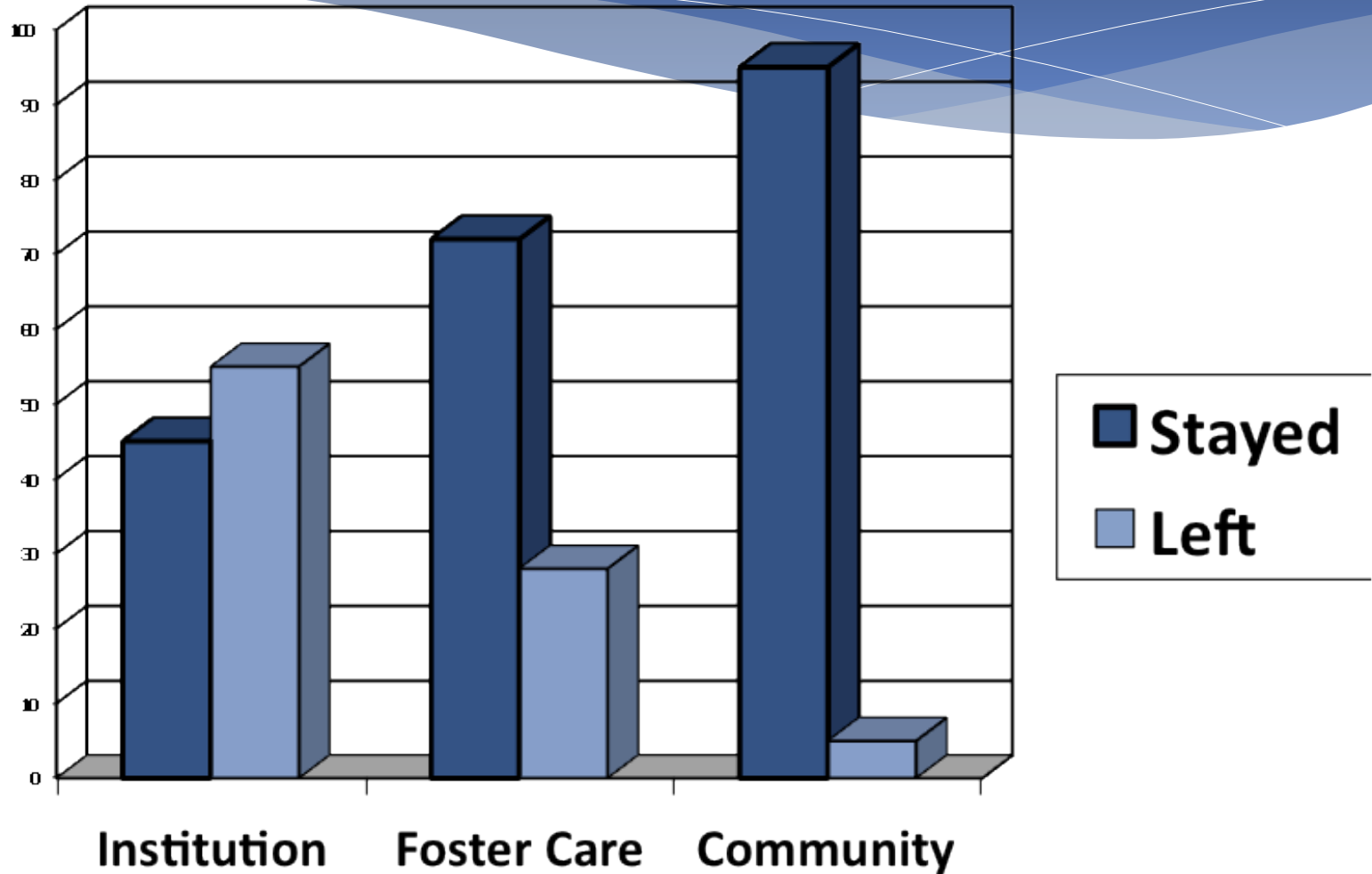


Stranger at the Door

- * Caregiver/mother and child answer door (pre-arranged).
- * RA: “Come with me, I have something to show you.”
- * Walk out the door and around the corner to find RA from previous home visit.

Stranger at the door by group

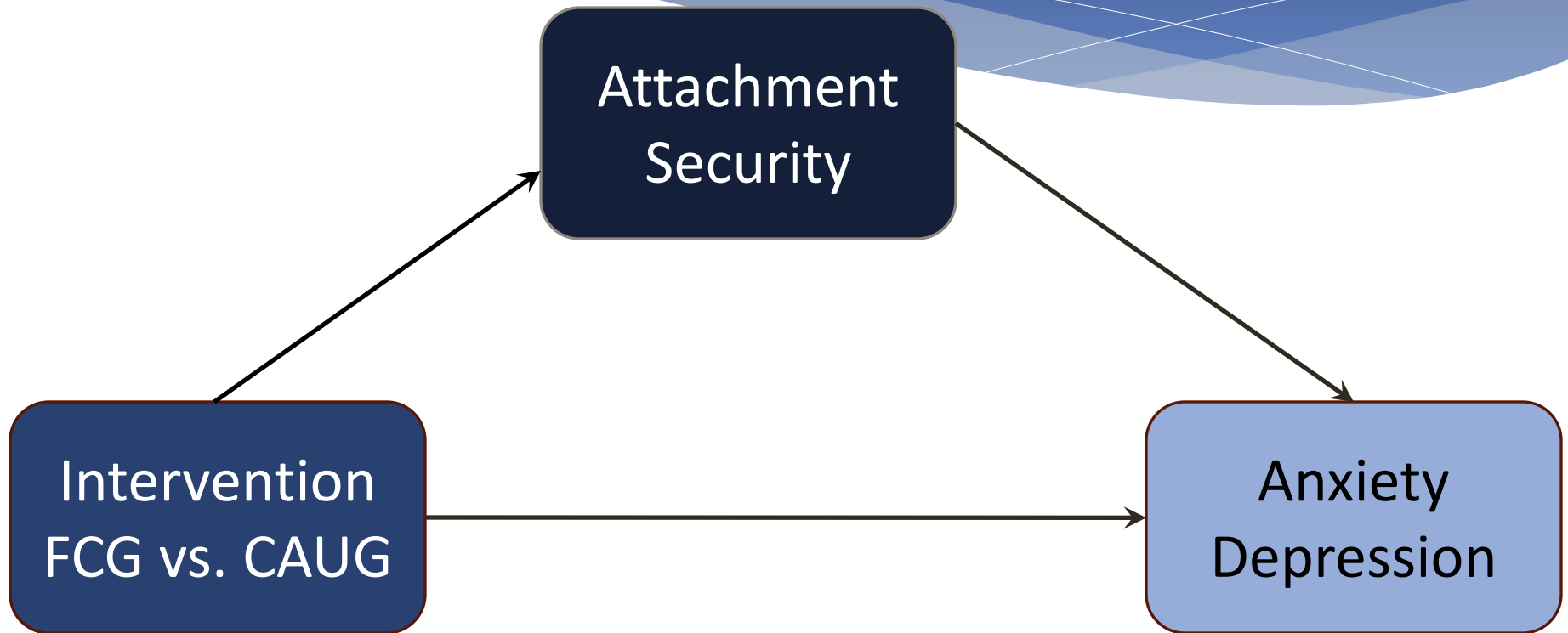
54 months



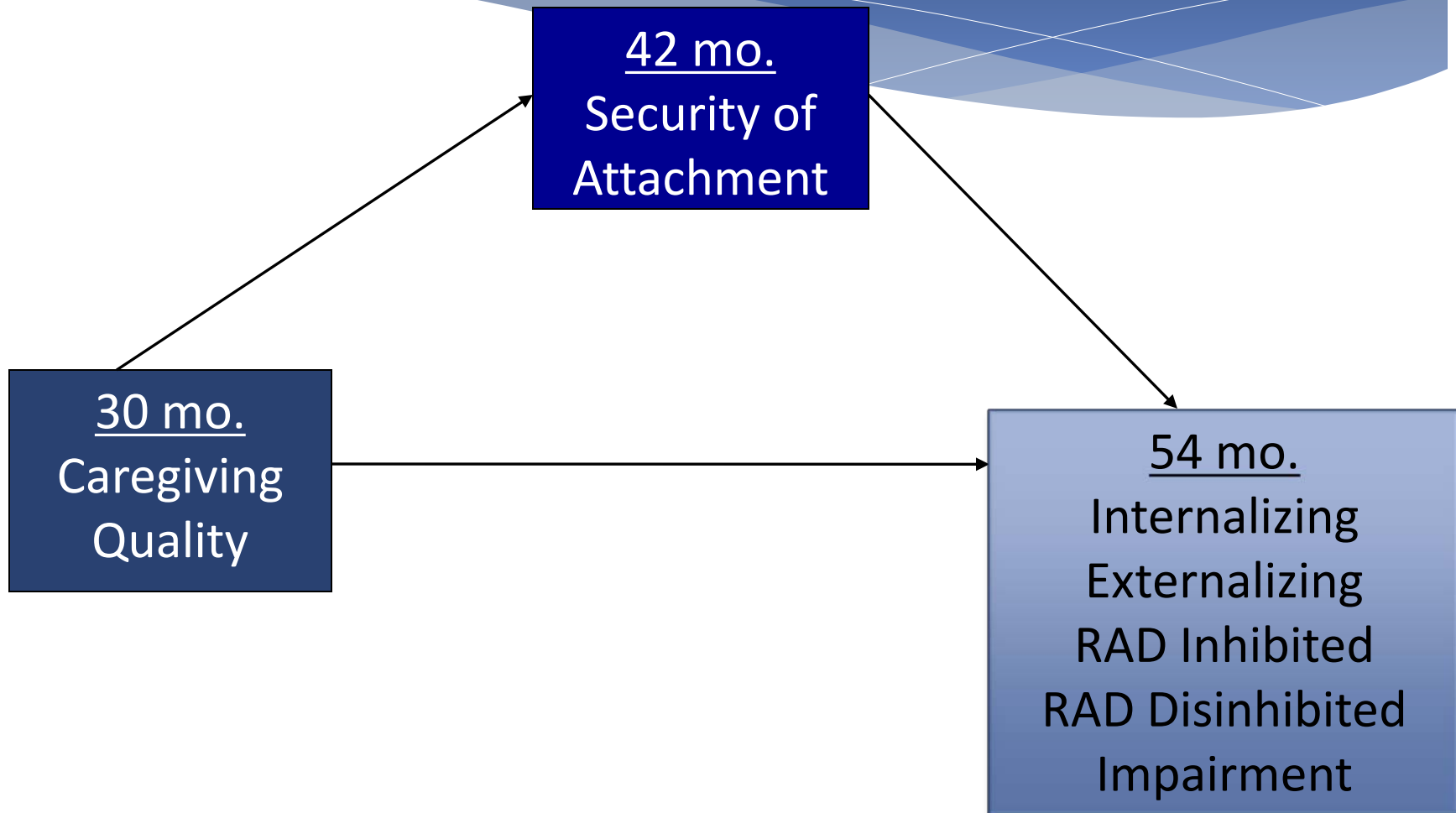
Effects of intervention on psychiatric disorders

| | CAUG | FCG | NIG |
|-------------------------|-------------------------------|-------------------------------|------------------------------|
| Any axis I disorder | 61.5% | 45.8% | 22.0% (N=13) |
| Any emotional disorder | <i>44.2%</i> <i>(N=20)</i> | <i>22.0%</i> <i>(N=13)</i> | <i>13.6%</i> <i>(N=8)</i> |
| Any behavioral disorder | 30.2% (N=15) | 25.4% (N=15) | 6.8% (N=4) |

Testing Foster Care Intervention Mechanism



Mediation Analyses: Psychopathology



Social skills and peer interaction at 8 years



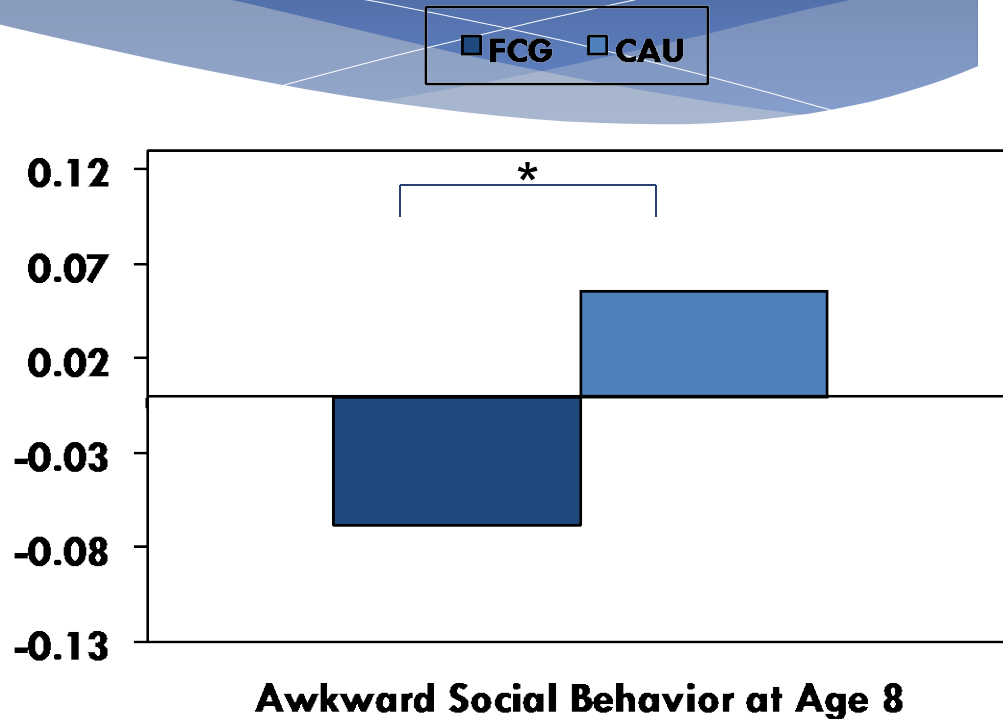
Peer interaction at 8 years

- * Tell us about yourself
 - * Friends, hobbies, fun things to do, pets
 - * Do you want to ask [Other Child] any questions?
- * Share toy with peer
 - * Lego
 - * NTC puzzle
- * Jenga
- * Brainstorming about top 3 things to do for fun
- * Pacalici

Inappropriate/Awkward Social Behavior

■ Inappropriate/Awkward Social Behavior

- Fidgeting, touching other child, lack of social referencing, across all six tasks
- CAUG displayed significantly more socially awkward behavior during their dyad interactions at age 8 across all tasks ($F = 4.52, p = .036$)

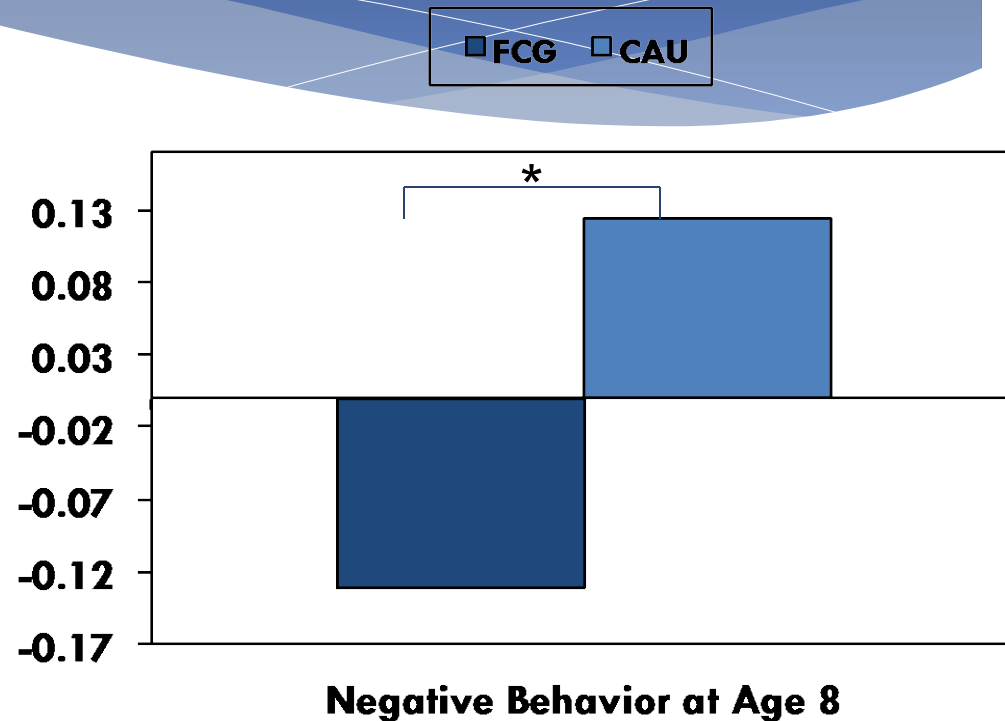


Negative Social Behavior

- Negative

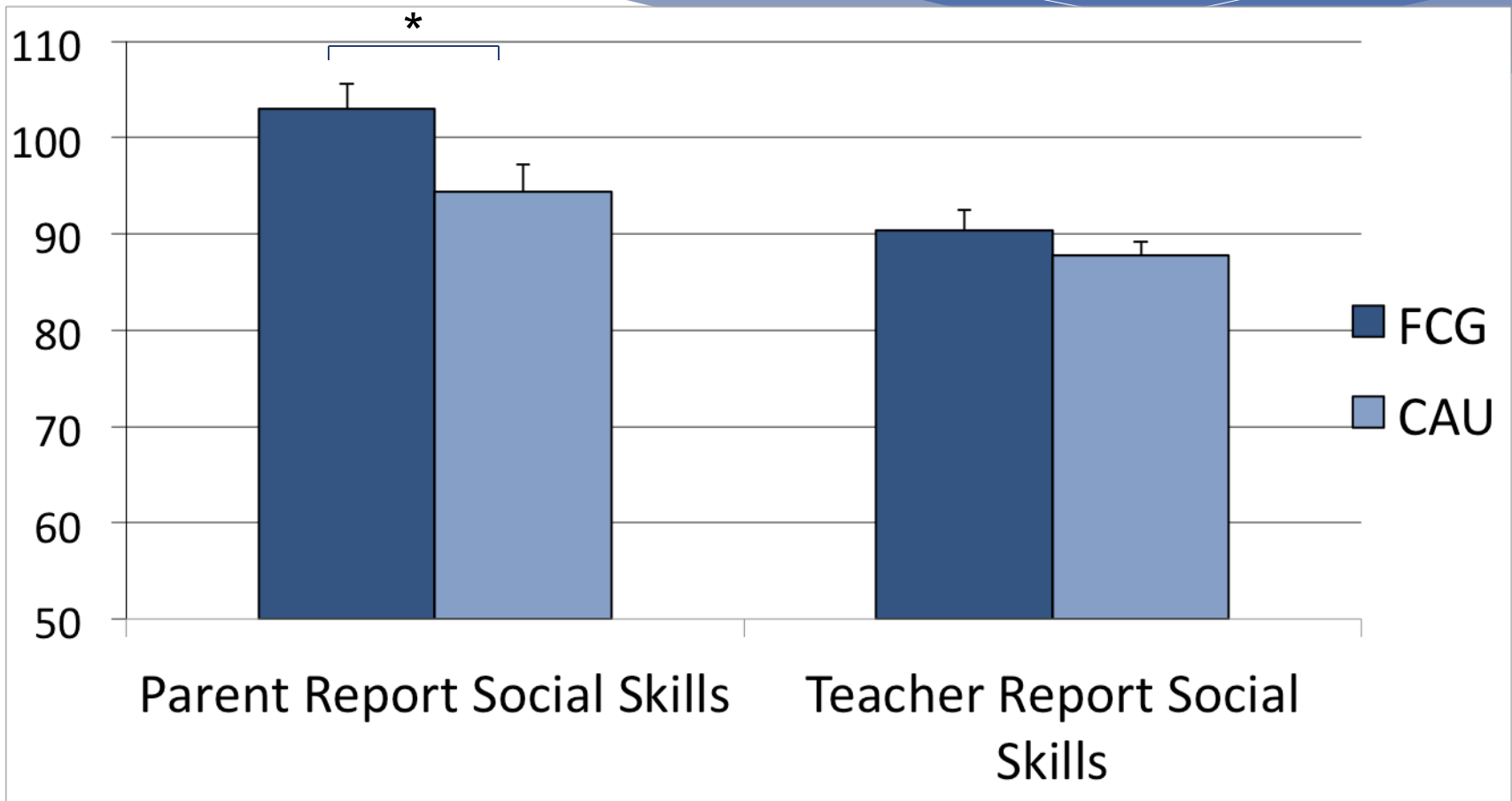
- Social Behavior

- Aggression and negative affect, across all six tasks
- CAUG displayed significantly more negative behavior during their dyad interactions at age 8 across all tasks ($F = 4.07, p = .046$)



FCG vs. CAUG

Differences in Social Skills



Thanks!

