

Overview History of the Family Interaction Program (FIP) • PCIT Effectiveness Research findings – our early RCTs Our recent meta-analysis Description Emotion regulation and reflective functioning PCIT retention and attrition . Is it motivation? Delia PCIT modifications · Necessary? New directions

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Where?

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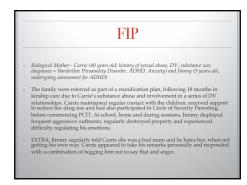
Family Interaction Program **History of the Family Interaction** Program (FIP)

FIP www.sdrs.info/intervention.php Established in the Psychology Clinic at Griffith University to provide Parent-Child Interaction Therapy (PCIT)

• Queensland Government: Future Directions

"Trial" Funded

FIP A Community-University Partnership * 2004: Selected to continue as a service and a research program Continuously funded to provide services to Child Safety families ever since



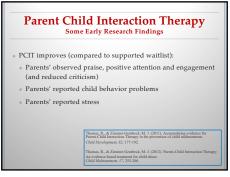
FIP A Community-University Partnership FIP is now a very Well-Established Community-University Partnership We are an incubator for intervention solutions for the child We provide novel or usual care but always subject it to very We train postgraduate students in how it is possible to use evidence to inform practice FIP Data! Family Interaction Program

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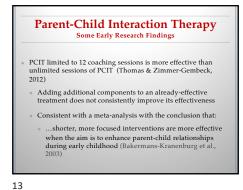
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PCIT Effectiveness: Rigorous Evaluation FIP Family Interaction Program



Parent Child Interaction Therapy Some Early Research Findings Notifications for suspected abuse + Of the 46 families in PCIT treatment who completed, 17% were renotified for abuse compared to 43% of the 53 families who did not complete treatment ($\chi 2 = 7.7$, p < .01).



Meta-analyses (2007 & 2017)

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Child Externalizing Behavior 770 15

Parents' Stress Thomas, R., Abell, B., Webb, H. J., Avdagic, E., & Zimmer-Gembeck, M. J. (2017).

Summary #1: PCIT Associated with.... Improved parenting practices
 Reduced child abuse potential
 Improved parent locus of control Improved parent sensitivity (reported and observed) Observed improvements in positive verbalization
 Improved parent self-efficacy Reduced parent stress proved child behavior Reduced risk of renotification for child abuse concerns

Consider whether parents' emotion regulation and reflective functioning are improved following participation in PCTT Secondary parent outcomes Emotion regulation: ability to use internal and external resources to monitor, maintain, and modulate the occurrence, duration, and intensity of emotional responses (Thompson, 1994) Study Purpose Reflective functioning: parents' ability to understand their children's behaviors in light of underlying mental states and intentions (Slade, 2005)

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Parents' Emotion Regulation & **Reflective Functioning**

- Why would parents' emotion regulation improve following PCIT?
 - Parental dysregulated emotion has been described as a central predictor of poor emotional and social child outcomes.
 - Mothers' self-reported difficulty with their emotion regulation and lack of emotional awareness significantly predicted higher levels of internalizing and externalizing symptoms in their children (Crespo et al., 2017).
 - Associations in support found in a review of 29 studies evaluating associations between parental emotion socialization and child emotion regulation across clinical and non-clinical populations (Bariola et al., 2011).

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Parents' Emotion Regulation & **Reflective Functioning**

 Why would parents' reflective functioning improve following PCIT?

The Participants

- + 139 Australian caregivers (129 mothers, 2 grandmothers, 2 foster parents, 6 fathers) and their children (30% females; $M_{\rm age} = 53.3$ months).
- 110 parents born in Australia or New Zealand, rest both in 18 other countries.
- 70% married/de facto; 41% worked at home; 43% completed high school only; 23% left high school before year 12.
- $\diamond~$ Children, mean externalizing t-score of 72 (range 45 to 109) on parent reported BASC.
- Child protection authorities or public health (34%) Self-referrals (17%)
- Educational & nongovernment family support agencies (18%) Other professionals (31%)

Parents' Emotion Regulation & **Reflective Functioning**

- Why would parents' emotion regulation improve following PCIT?
- » Parenting is fraught with emotional interactions.
- PCIT is designed to recognize the importance of emotional co-regulation in fostering secure parent-child relationships, and minimizing disruptive child behaviors (McNeil & Hembree-Kigin, 2010).
- PCIT involves parents
- repeatedly practicing the identification and effective containment of children's emotional distress
- coached to manage own emotions

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Parents' Emotion Regulation & **Reflective Functioning**

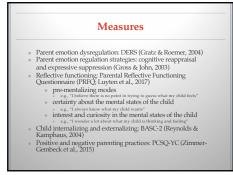
What is Reflective Functioning? Three aspects

- Pre-mentalizing modes: limited attempts or low ability to understand the perspective and feelings of offspring or even malevolent attributions about the child's behaviors
- Certainty of mental states of the child: the "tendency of parents to be overly certain about the mental states of their child (i.e., to not recognize the that mental states are often unclear); can be..
- Intrusive mentalizing or hypermentalizing
- Hypomentalizing an almost complete lack of certainty about the child's mental states
- Interest and curiosity in the mental states of the child: Captures parents' positive emotions about understanding their child's mental states.

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PCIT Progression

- * 90 dyads (65%) completed PCIT
- * No differences between completers and dropouts on any measures except mother age; mothers who completed were slightly older
- 12-weeks of coaching only
- Two didactic info sessions
 Average of 6.9 CDI (SD = 1.0; range 5-8)
 Average 5.2 PDI (SD=1.3; range 4-7)
 All but 4 parents met mastery

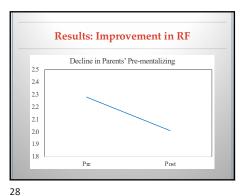


Results: Improvement in ER Increase in Parents' Cogntive Reappraisal 5.2 5.1 5.0 4.9 4.8 4.7 4.6 4.5 Pre Post

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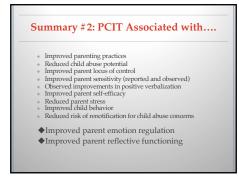
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Results: Improvement in ER Decline in Parents' Emotion Dysregulation 2.8 Pre Post 27





Other Findings Children with greater declines in externalizing behavior had parents who exhibited more improvements in · emotion dysregulation « cognitive reappraisal negative parenting practices (hostility, less coercion, less chaos) Children with greater declines in internalizing behavior had parents who exhibited more improvements in pre-mentalizing negative parenting practices



PCIT Retention and Attrition:

Is it low Motivation?

FIP
Family Interaction Program

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PCIT + Motivational Interviewing

Chaffin et al (2009; 2011) - Lab & Field Trial

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Standard Standard

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Our Study of MI as an Enhancement

* Individual administration of a 3-session motivational enhancement prior to PCIT

* Unique needs of individual families, thereby reducing attrition even further

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MI Study Participants

• 192 Australian caregivers (91.7% females; Mage = 34.4 years) and their children (33.3% females; Mage = 4.4 years)

Condition 1: Standard PCIT

- Initial interview
- Standard 12 coaching sessions + 2 didactic
 sessions
- * Pre- and Post-assessment + follow-ups

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Condition 3: 12-week Supported Waitlist

- Parents asked to refrain from accessing therapy for child behavior management
- Parents phoned weekly

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Results – Did MI enhance readiness to change?

- + Yes
- +M/PCIT caregivers significantly increased in their readiness to change parenting practices from pretreatment to post-motivational enhancement F(1,39) = 448.61, p < .001.
- *Reliable change in motivation was demonstrated in 97% of caregivers.

Condition 2: Motivation Enhanced PCIT

- 3 manualised motivational enhancement sessions
- Watching testimonials from PCIT parent graduates
- Undertaking decision balance exercises re: discipline strategies
- Parents considered scenarios of discipline strategies and brainstormed alternatives
- Identifying concerns and goals
- Exploring parents' commitment to change

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Outcomes Measured

- * Attrition (Drop out yes / no); sessions until drop out
- Child externalizing problems (CBCL; Achenbach, 1991, ECBI; Eyberg & Pincus, 1999)
- Parent Stress (Parenting Stress Inventory; Abidin, 1990)
- Parent Depression (Beck Depression Inventory; Becket al., 1996)
- Parent Child Abuse Potential (Child Abuse Potential Inventory; Milner, 1986)
- Motivation: Readiness to Change Parenting Practices (Chaffin et al., 2009)
- Need for chang
- Relevance of treatment
- Ability to make change

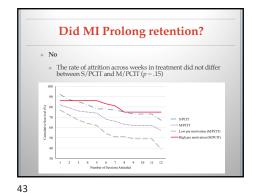
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Did MI reduce attrition?

- + No
- ⋄ There were no differences in attrition between treatment groups, chi square(1, N = 138) = 1.58, p = .22.
- Attrition rate:
- ♦ 41.6% in M/PCIT
- $\diamond~31.1\%~in~S/PCIT$

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Motivation at Pre-Assessment The rate of attrition was significantly earlier and higher overall among caregivers low in motivation at pre-assessment compared to caregivers high in motivation (p = .01) 1 2 3 4 5 6 7 8 9 10 11 12

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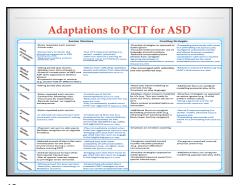
In Summary Somewhat more far-reaching benefits from S/PCIT than M/PCIT MI was associated with enhanced readiness to change, but did not significantly reduce attrition rate or time to attrition High pre-motivational enhancement level of readiness to change was associated with greater retention in treatment

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Motivation Other Analyses & New Directions * Moderators * Just overall chaotic lives? * MI techniques integrated throughout PCIT (N'zi et al., 2017)



ASD Dublished reviews report varied outcomes * There is consensus that usually adaptations to PCIT protocol are needed.



Measuring Change

 Capturing change for families with children with ASD requires further thought at FIP.

 Typical measures are not reflecting the clinical change we see anecdotally.

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Food Fussiness & Eating
Eat PCIT

Developed in response to community need

Directed support to overcome food aversions and fears, and entrenched conflictual or hostile parent-child feeding interactions

Target population: children 2.5-7 years with significant food refusal and mealtime behavior problems

< 20 foods eaten (often <10)

Standard PCIT + a mealtime phase (between REP/CDI and ASP/PDI)

Standard mastery criteria to progress to next phase

Most sessions comprised of food play

FIP
A Community-University Partnership

PCIT fits well as an evidence-based service for the child welfare system (as described in Mersky et al., 2017)

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Family Interaction Program

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Conclusion

- * PCIT relevant for so many families as designed
- * But...we are continuing to consider modifications/enhancements

Thanks to Collaborators
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De Rae Thomas
De Madi Scholes
De Madi Scholes
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De Bell Scholes
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Eat PCIT

Billy' is 4.5 years old, male, 95-97th percentile for BMI ('obese'), speech delay, concerns around hyperactivity, impulsivity, and inattention (observed by clinician and confirmed by day-care teacher), only child in the family. Parents have been together for 13 years, and have contrasting views on child raising and feeding. No family support. Each parent cooks their own meals, mother prepares food for Billy, and all three eat separately, Billy has no consistent routine throughout the day, including mealtimes. Billy has a restricted diet which relies heavily on milk (around 200mls consumed 5-6 times a day). Only eats selected brands of processed foods, such as pre-packaged macaroni and cheese, chicken nuggets, noodles, 'shapes' biscuits. Does not eat any fruit or vegetables. Food refusal appears to have a strong behavioural element.

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Eat PCIT

"Elliot' is 5 years old, 0-3rd percentile for BMI ('underweight'), history of sensory issues. Second of three children, educated parents who are shift workers, strong support from extended family living relatively close by. Mother has good knowledge of child development and nutrition, and involves Elliot in cooking (which he enjoys, but doesn't taste the food, Elliot's sisters are good eaters'. Elliot eats only simple foods, such as a single brand of yogutt, "jatt' biscuits, apple, weethix cerval, and peanst butter sandwiches. Mother can often encourage Elliot to have a smoothie, within which nother adds fruit and vegetables. Food retusal appears to have a strong aversion element.