

#### Acknowledgement of Country

Tresillian acknowledges Aboriginal and Torres Strait Islander people as the First Peoples of Australia. We acknowledge the Traditional Owners and Custodians of land on the countries on which we live and work and their unique spiritual relationships to the lands and seas. We pay respect to Aboriginal and Torres Strait Islander Elders, past and present, and acknowledge all the Aboriginal and Torres Strait Islander people living in the communities we serve.

## This section will cover

- What we learned about the CCQ from the first research study
  - ✓ Overview of study
  - ✓ CCQ reliability
  - ✓ CCQ validity
  - ✓ Estimating clinical concern
- Case study: CCQ in clinical practice

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#### ORIGINAL PAPER

#### Check for Updates

#### Examining the Effectiveness of Circle of Security Parenting (COS-P): A Multi-Site Non-Randomized Study with Waitlist Control

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#### Abstract

Recognition of the protective value of secure parent–child relationships has prompted a growing interest in parenting interventions informed by attachment theory. Circle of Security Parenting (COS-P) is one such program, specifically designed for scalability. Although widely disseminated internationally, evidence for the effectiveness of COS-P is very limited. This non-randomized controlled effectiveness study was designed to help address this gap. A sample of 256 parents of children aged 0–6 years was recruited from four community child and family health organizations. Assessments were undertaken pre- and post-intervention for the treatment group (n = 201) and at comparable times for the waitlist control group (n = 55). Analysis of data for mothers (89% of sample) revealed a significant Time x Group interaction for six of the seven outcomes examined. Compared to mothers in the control condition, treatment group mothers reported significantly: (a) improved parental mentalizing and self-efficacy regarding empathy and affection toward the child; (b) reduced caregiving helplessness and hostility toward the child; and (c) reduced depression symptoms, at the end of COS-P treatment. There was no difference between groups for change in perceived child difficultness. Within-treatment-group analyses indicated that mothers with older children reported greatest reductions in caregiving helplessness, and mothers with probable clinical depression pre-intervention reported greatest reductions in hostility and depression symptoms. Improvements in other study outcomes did not differ by depression severity or child age. Exploratory analyses indicated that treatment group fathers showed the same pattern of change as mothers. Clinical implications and directions for future research are discussed.

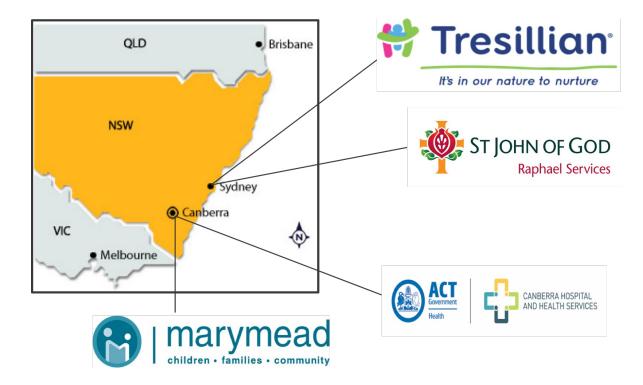
Keywords Circle of Security · Parenting self-efficacy · Parental mentalizing · Parental depression

#### Highlights

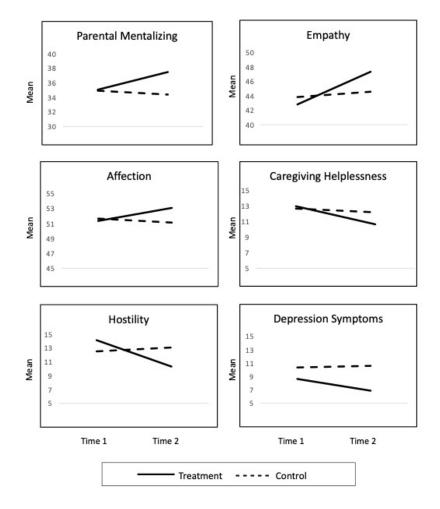
- · This is one of few studies of the popular COS-P intervention that includes a control condition.
- Parents receiving COS-P reported greater improvements than control group parents.

# First CCQ study: 2017-2020

- Evaluation of Circle of Security Parenting program (COSP)
- 256 participants across 4 organisations intervention and control groups
- Parents with early parenting difficulties high rates of PND
- Children aged 0-72 months



## Study results in brief



Reproduced from Maxwell et al., 2021



# Validity and reliability

**Two important questions:** 

# 1. Does it measure what it is supposed to measure? **VALIDITY**

2. Does it measure with consistency? (i.e., Is it free from random error?)

#### RELIABILITY

# CCQ reliability

• Internal consistency – Chronbach alpha

Chronbach alpha valu	ue Acceptability	
<.60	Unacceptable	
.6065	Undesirable	
.6570	Minimally acceptable	
.7080	Respectable	
.8090	Very good	

• From Time 1 data for 265 participants

Self-efficacy: Empathy (A1-6)	.87
Self-efficacy: Emotion (A7-12)	.75
Parent hostility (B1-5)	.89
Caregiving helplessness (C1-7)	.86
Parental mentalising (D1-18)	.81

# CCQ validity

Correlations among CCQ subscales and EPDS

	Empathy	Emotion	Hostility	Helplessness	Mentalising
Emotion	.66**				
Hostility	40**	38**			
Helplessness	57**	50**	.56**		
Mentalising	.45**	.30**	11	16*	
Depression	24**	20**	.32**	.45**	.05

\* Correlation is significant at the 0.05 level

\*\* Correlation is significant at the 0.01 level

# CCQ validity

Correlations among CCQ subscales and caregiving representations from narrative interview (67 mothers)

cosı →	Kind/	Authoritative	Unavailable	Harsh/	Hostile	
<b>↓</b> ccq	Supportive	Authontative	Ullavallable	Punitive	nostile	
Empathy	.26*	.28*	36**	04	38**	
Emotion	.21	.20	23	.09	24*	
Hostility	35**	05	.20	.43**	.34**	
Helplessness	21	05	.13	00	.28*	
Mentalising	.10	.16	21	.07	32**	

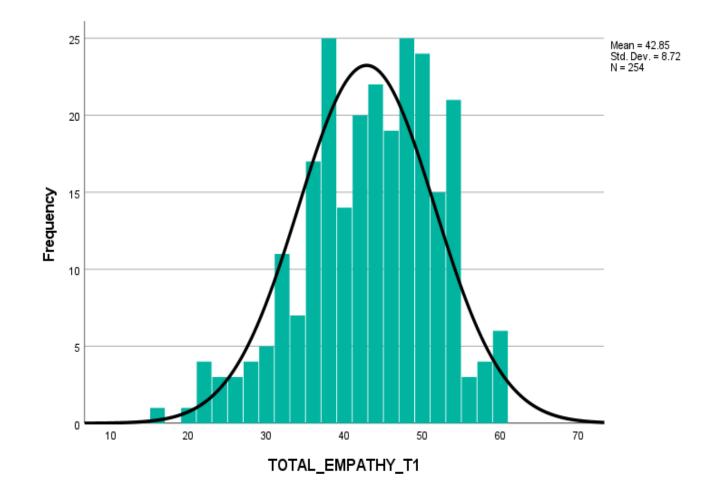
\* Correlation is significant at the 0.05 level

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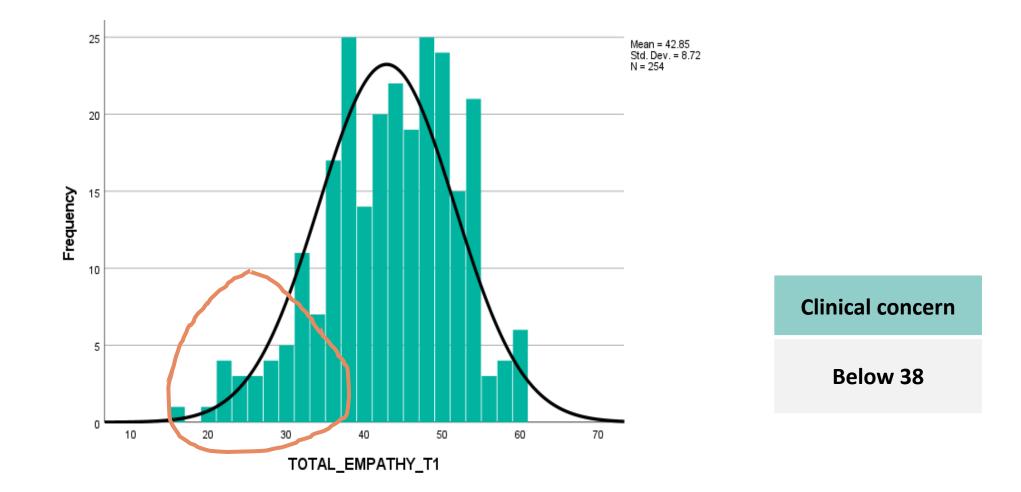
## Determining clinical concern

Scale	Questions	Range
Self-efficacy: Empathy	A1-6	0-60
Self-efficacy: Emotion	A7-12	0-60
Parent hostility	B1-5	0-50
Caregiving helplessness	C1-7	7-35
Parental mentalising	D1-18	0-54

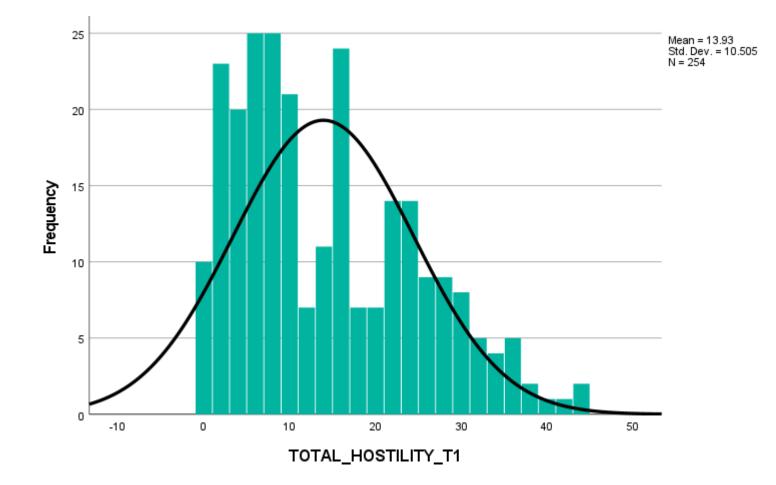
Range of scores: Empathy



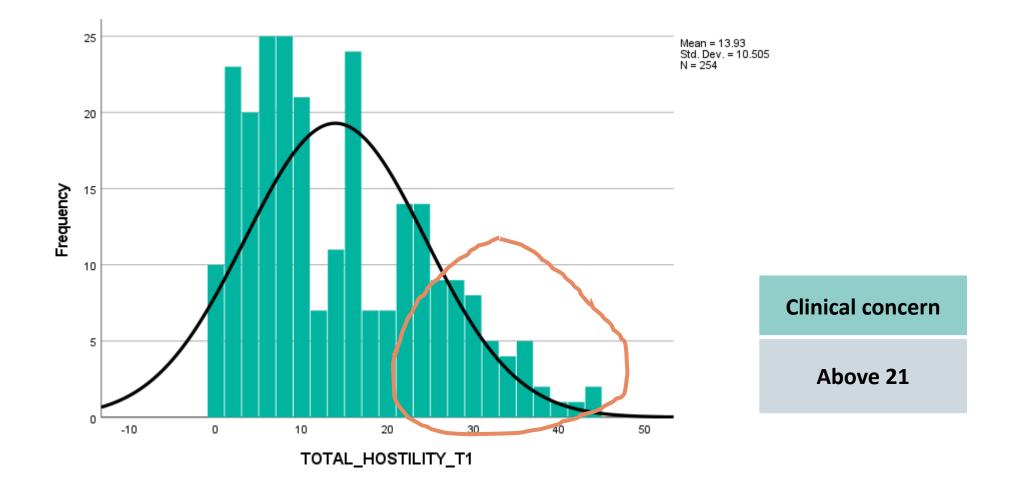
#### Determining possible clinical concern



#### Range of scores: Hostility



#### Determining possible clinical concern



## Determining possible clinical concern

Scale	Questions	Range	Possible clinical concern
Self-efficacy: Empathy	A1-6	0-60	Below 38
Self-efficacy: Emotion	A7-12	0-60	Below 47
Parent hostility	B1-5	0-50	Above 21
Caregiving helplessness	C1-7	7-35	Above 16
Parental mentalising	D1-18	0-54	Below 31

Scale	Range	Score
Self-efficacy: Empathy (A1-6)	0-60	50
Self-efficacy: Emotion (A7-12)	0-60	46
Parent hostility (B1-5)	0-50	26
Caregiving helplessness (C1-7)	7-35	19
Parental mentalising (D1-18)	0-54	37

Scale	Range	Score	Possible clinical concern
Self-efficacy: Empathy (A1-6)	0-60	50	Below 38
Self-efficacy: Emotion (A7-12)	0-60	46	Below 47
Parent hostility (B1-5)	0-50	26	Above 21
Caregiving helplessness (C1-7)	7-35	19	Above 16
Parental mentalising (D1-18)	0-54	37	Below 31

Scale	Range	Score	Possible clinical concern
Self-efficacy: Empathy (A1-6)	0-60	50	Below 38
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Parent hostility (B1-5)	0-50	26	Above 21
Caregiving helplessness (C1-7)	7-35	19	Above 16
Parental mentalising (D1-18)	0-54	37	Below 31

Results				
		Raw Score	Percentile	Clinical Concern?
	Empathy & Understanding	50	50	
	Emotion & Affection	46	19.2	Yes
	Hostility	26	87	Yes
	Caregiving Helplessness	19	95	Yes
	Parental Mentalising	37	45	



#### $\downarrow$ Q21: When I am with my child, I often feel out of control

		1 - Not at all like us	2	3 - A bit like us	4	Very like us - 5
21	These questions explore how it feels to be a caregiver and, more specifically, how it feels when you and your child are together. The statements describe how some caregivers feel about their relationship with their child. Read each statement carefully and select the option that most clearly reflects your relationship with your child. When I am with my child, I often feel out of control.	1	2	3	4	5

Scale	Score		Possible clinical	
Scale	T1	T2	concern	
Self-efficacy: Empathy (A1-6)	50	50	Below 38	
Self-efficacy: Emotion (A7-12)	46	58	Below 47	
Parent hostility (B1-5)	26	24	Above 21	
Caregiving helplessness (C1-7)	19	13	Above 16	
Parental mentalising (D1-18)	37	49	Below 31	



# Using the CCQ in clinical practice