

The Association Between Conduct Disorder and Insecure Attachment: A Meta-Analysis



Kristene Cheung¹, Jennifer Theule¹, Sarah Germain¹, & Clarisa Markel²

- 1. Department of Psychology, University of Manitoba
- 2. Ontario Institute for Studies in Education (OISE), University of Toronto

Oppositional Defiant Disorder (ODD)

- Prevalence estimates range from 1% to 11% (APA, 2013)
- Characterized by (APA, 2013)
- 1. Angry/Irritable mood
- 2. Argumentative/Defiant Behaviour
- 3. Vindictiveness

Conduct Disorder (CD)

- Prevalence estimates range from 2% to >10% (APA, 2013)
- Key characteristics (APA, 2013)
- Aggression to people and animals
- 2. Destruction of property
- 3. Deceitfulness or Theft
- 4. Serious Violations of Rules

Attachment Styles

- Mary Ainsworth studied the quality of parent-child attachment relationships (e.g., Ainsworth, 1979)
- Categorized behaviour into two broadly labeled groups
 - Secure attachment
- Insecure attachment

CD/ODD and Attachment Styles

- Moderate relationship between disorganized attachment and ODD (van Ijzendoorn, Schuengel, & Bakermans-Kranengurg, 1999)
- Severity of conduct problems have been found to be associated with higher levels of insecure attachment (Pasalich, Dadds, Hawes, & Brennan, 2011)
- Attachment insecurity scores did not differ between children with CD and children without CD (Marron, 1998)

Objective

To determine a possible association between CD/ODD and insecure attachment style.

Research Questions

- 1. How large is the association between conduct disorder symptomology and attachment insecurity?
- 2. What are the odds of an individual with ODD having a disorganized attachment compared to individuals without ODD?
- 3. What are the odds of an individual with CD/ODD having an ambivalent attachment style compared to individuals without CD/ODD?
- 4. Do individuals with CD/ODD have a higher rating of insecure attachment?

Methods

A meta-analysis was conducted

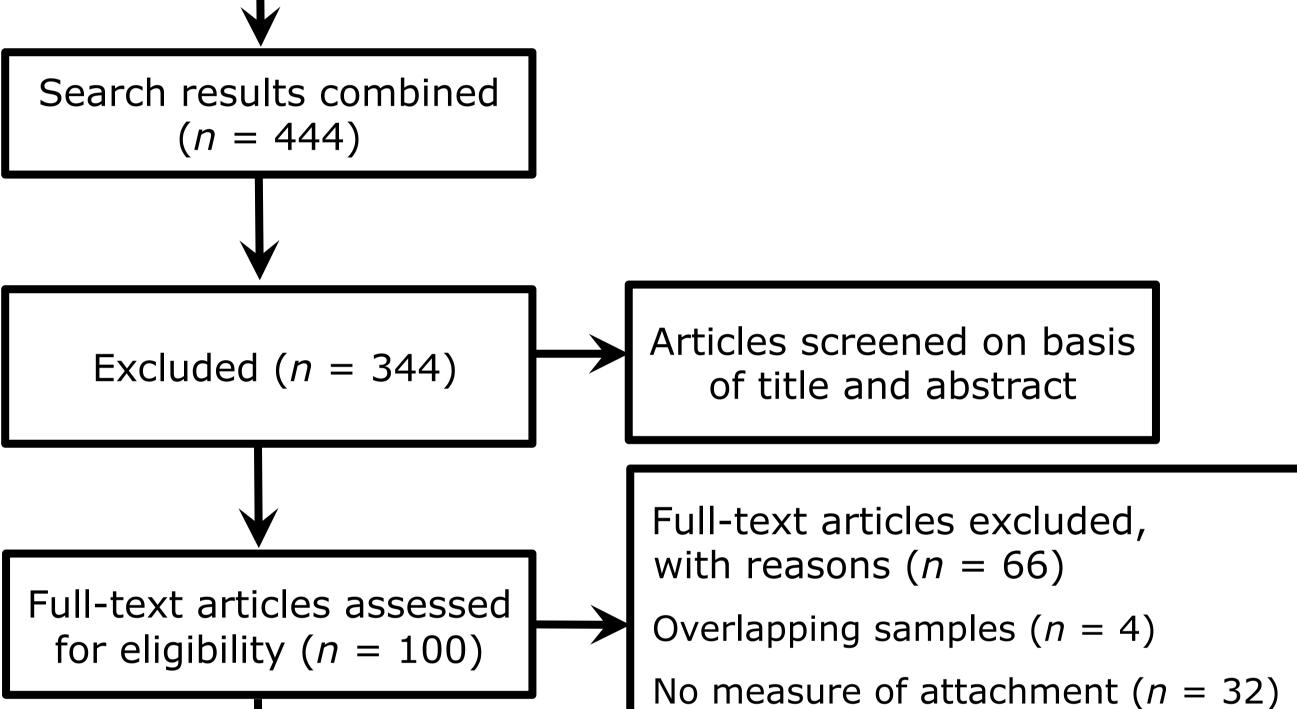
Records identified through database searching

Databases: PsycINFO, Medline, ERIC, ProQuest Dissertations and

Theses, and Google Scholar

Limits: English-language articles only

Published or prepared before December 2012



Included (n = 34)

Ineligible comparison of outcomes presented (n = 14)
Ineligible population (n = 10)
Ineligible set of outcomes presented

(n = 4)Theoretical review (n = 2)

- 34 studies met eligibility criteria
- Included 23 published and 11 unpublished reports
- Year of publication ranged from 1990 to 2012
- Number of participants
- Total (n = 4373)
- With CD/ODD (n = 367)
- With ODD only (n = 290)
- With CD only (n = 380)
- Without CD/ODD (n = 422)
- Each study was coded following a coding manual
- Inter-coder reliability for all variables was 100%
- Data was entered and analyzed through the Comprehensive Meta Analysis (CMA) program (Borenstein, Hedges, Higgins, & Rothstein, 2005)
- An array of effects were determined

*Modified version of the PRISMA Flow Diagram (Moher, Liberati, Tetzlaff, Altman, & The PRISMA Group, 2009)

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Results

- 1. Based on eight different effect sizes, there was a moderate relationship between CD and insecure attachment (r = 0.30).
- 2. Three effect sizes indicated that individuals with ODD have 5.22 times the odds as individuals without ODD of having a disorganized attachment.
- 3. Based on six effect sizes, individuals with CD/ODD have 2.53 times the odds as individuals without CD/ODD of having an ambivalent attachment style.
- 4. Three different effect sizes established that the overall effect size for the relationship between CD/ODD and insecure attachment compared to individuals without CD/ODD was large (d = 0.96).

Discussion

- One third of the studies included were unpublished theses.
- Individuals with ODD are much more likely to have a disorganized attachment compared to individuals without ODD.
- The evidence supports a link between an insecure attachment and both ODD and CD symptoms.
- Attachment-focused therapies may be promising treatment for this clinical population.

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Correspondence

Kristene.Cheung@umanitoba.ca or Jen.Theule@umanitoba.ca