

Comparative Analysis of CSEM- Exclusive and Mixed Characteristics: A Cumulative Meta-Analysis



Carleton
University



SEXUALLY
HARMFUL
BEHAVIOURS
Research Lab

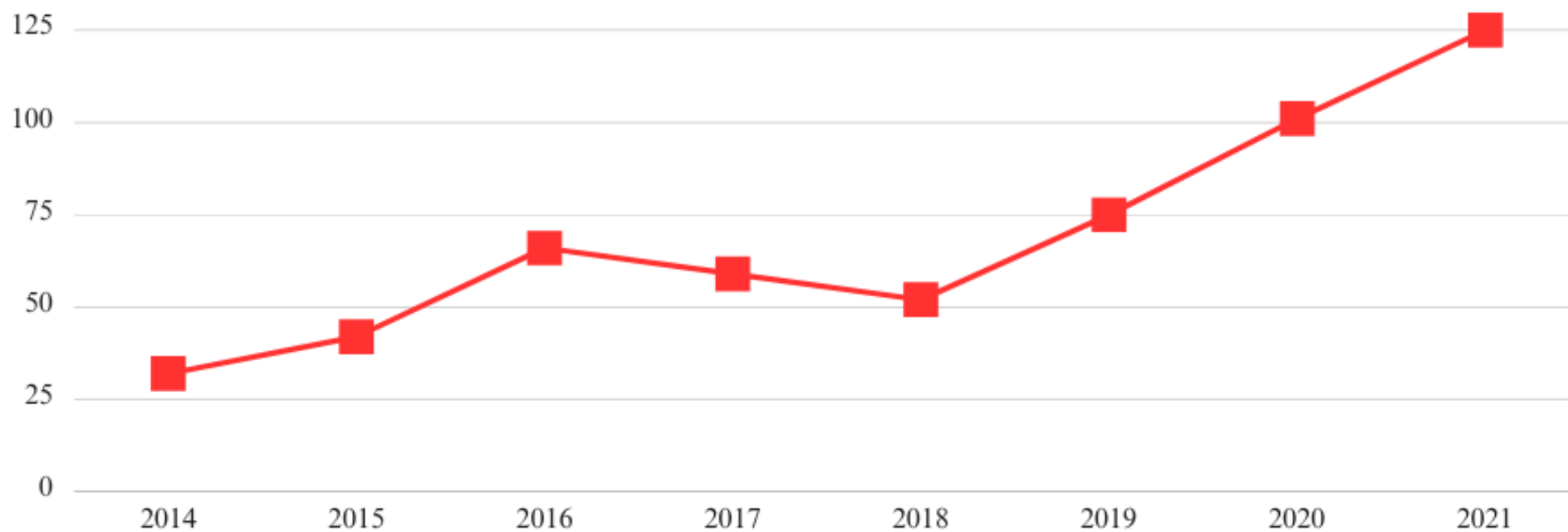
Serra Baskurt, Melissa O'Donaghy,
& Dr. Kelly M. Babchishin

Saint Mary's University 4th Annual Canadian
Forensic Psychology Virtual Conference

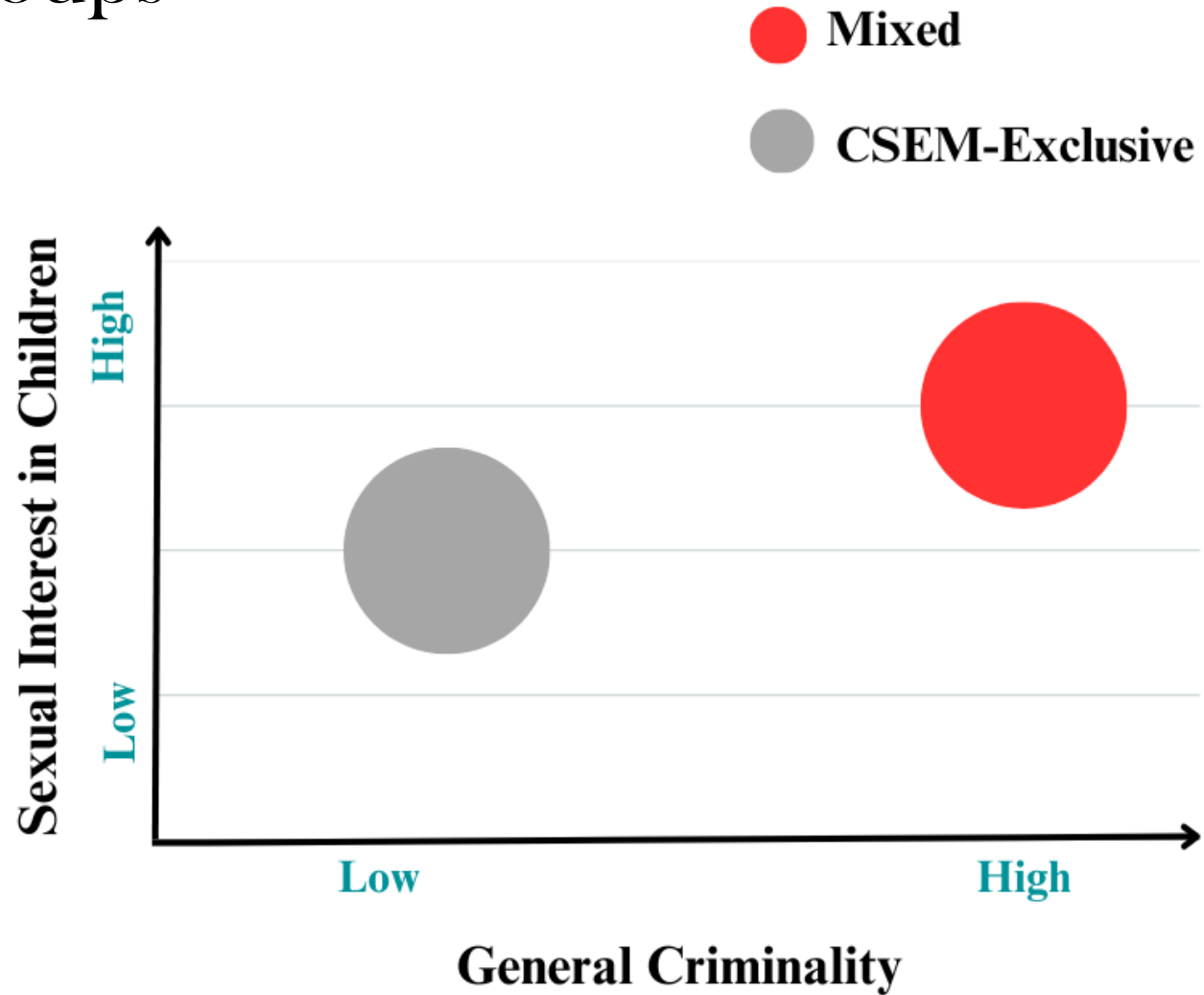
February 9, 2024

Police-reported Incidents of CSEM in Canada

Rate per 100,000



CSEM Subgroups



Changing Trends Over Time



Unemployment

Cohen's $h = 0.42$



Incomplete Schooling

Cohen's $h = 0.77$



Cognitive Distortions

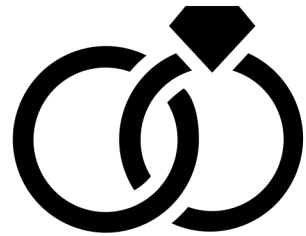
Cohen's $h = 0.51$



Recidivism

Cohen's $h = 0.04$

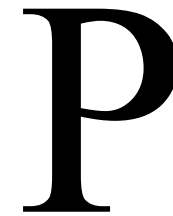
Changing Trends Over Time (cont'd)



Significant →
NOT Significant
(group differences)

Marital Status

Cohen's d change = 0.10



Significant →
NOT Significant
(group differences)

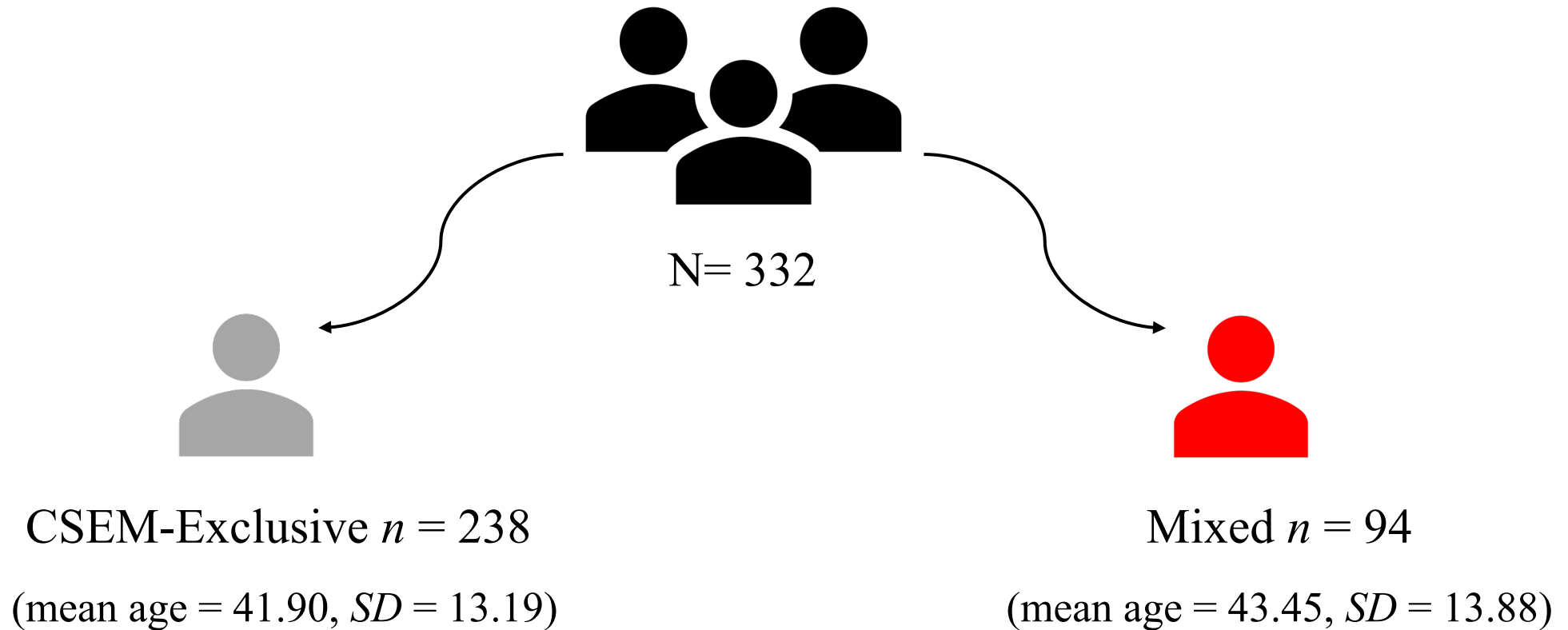
Pedophilia

Cohen's d change = 0.07

Current Study

Have there been significant changes of CSEM characteristics since the latest meta-analysis conducted by **Babchishin and others (2015)**?

Sample



Meta-analysis


vs. **Cumulative** Meta-analysis



Calculating the New Cumulative Effect Size (Hanson & Broom, 2005)

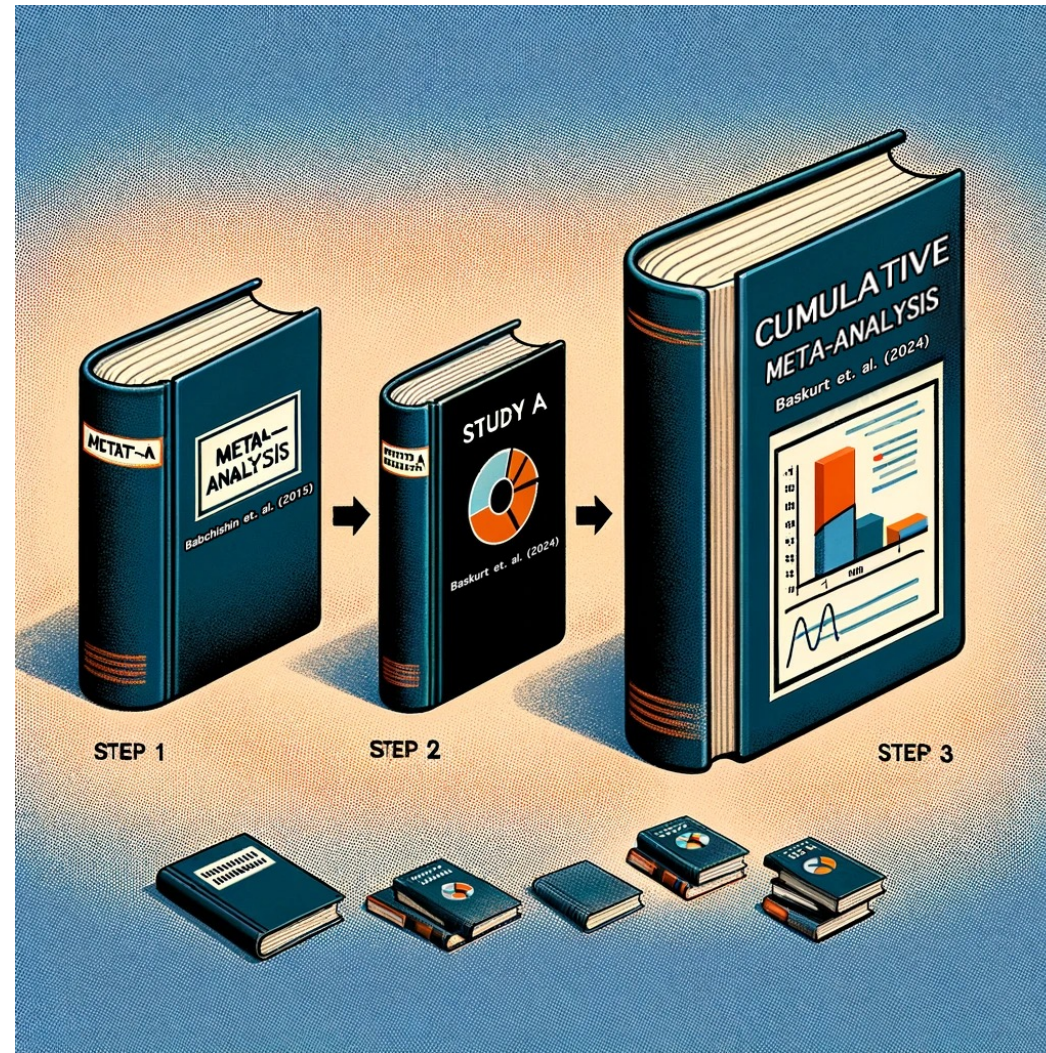
New Effect Size (\bar{E}_{new}) =

$$\frac{\left(\text{stacked cake icon effect size} / \text{stacked cake icon variance} \right) + \left(\text{slice icon effect size} / \text{slice icon variance} \right)}{\left(1 / \text{stacked cake icon variance} \right) + \left(1 / \text{slice icon variance} \right)}$$

 Babchishin et al. (2015)

 Current study

Current Cumulative Meta-analysis



Calculating the New Overall Variability (Hanson & Broom, 2005)

New Overall Variability (Q_{new}) =



+

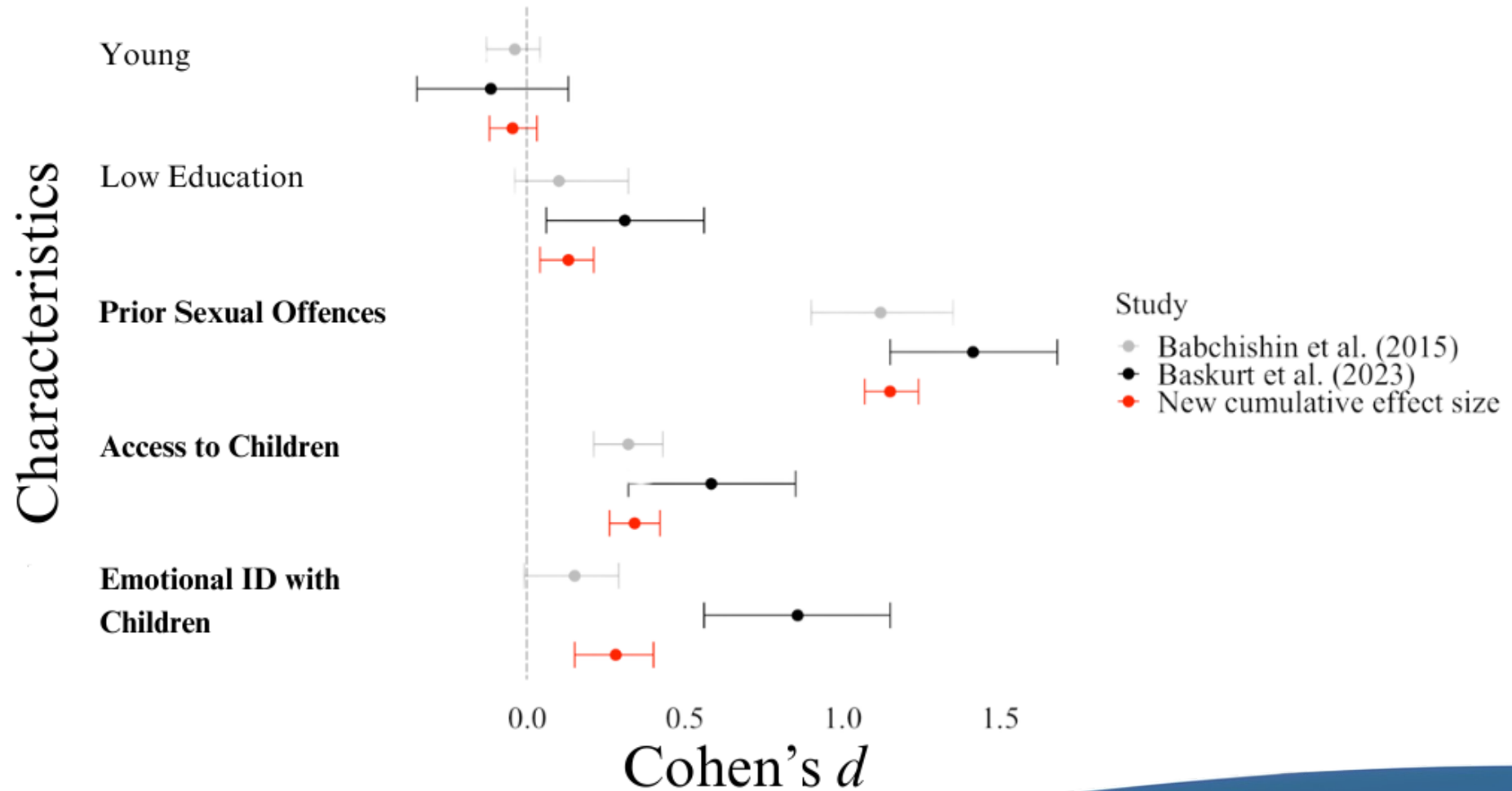
amount of change in Q



Babchishin et al. (2015)

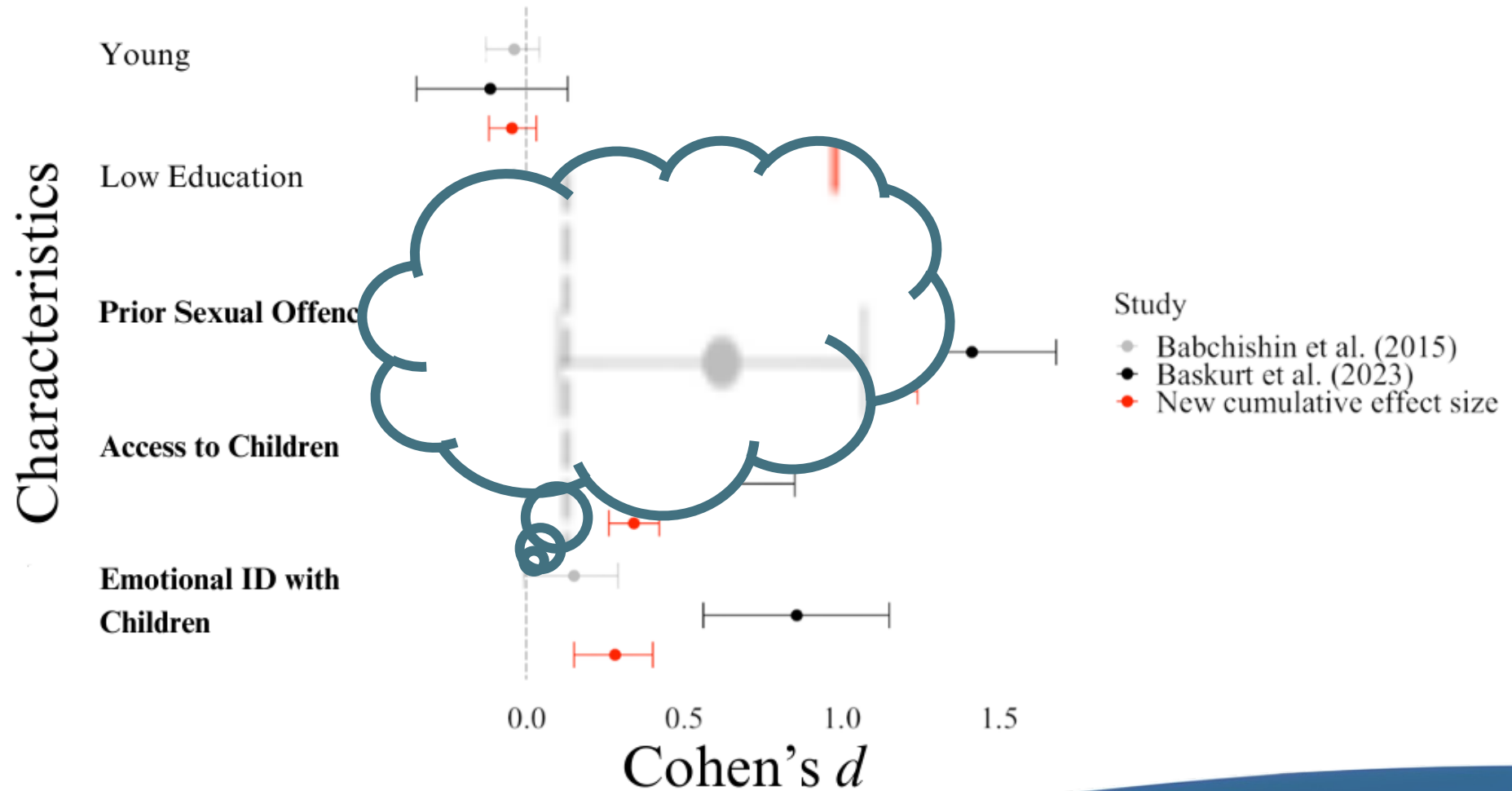
Results:

Indicators of Offending and Internet Demographics



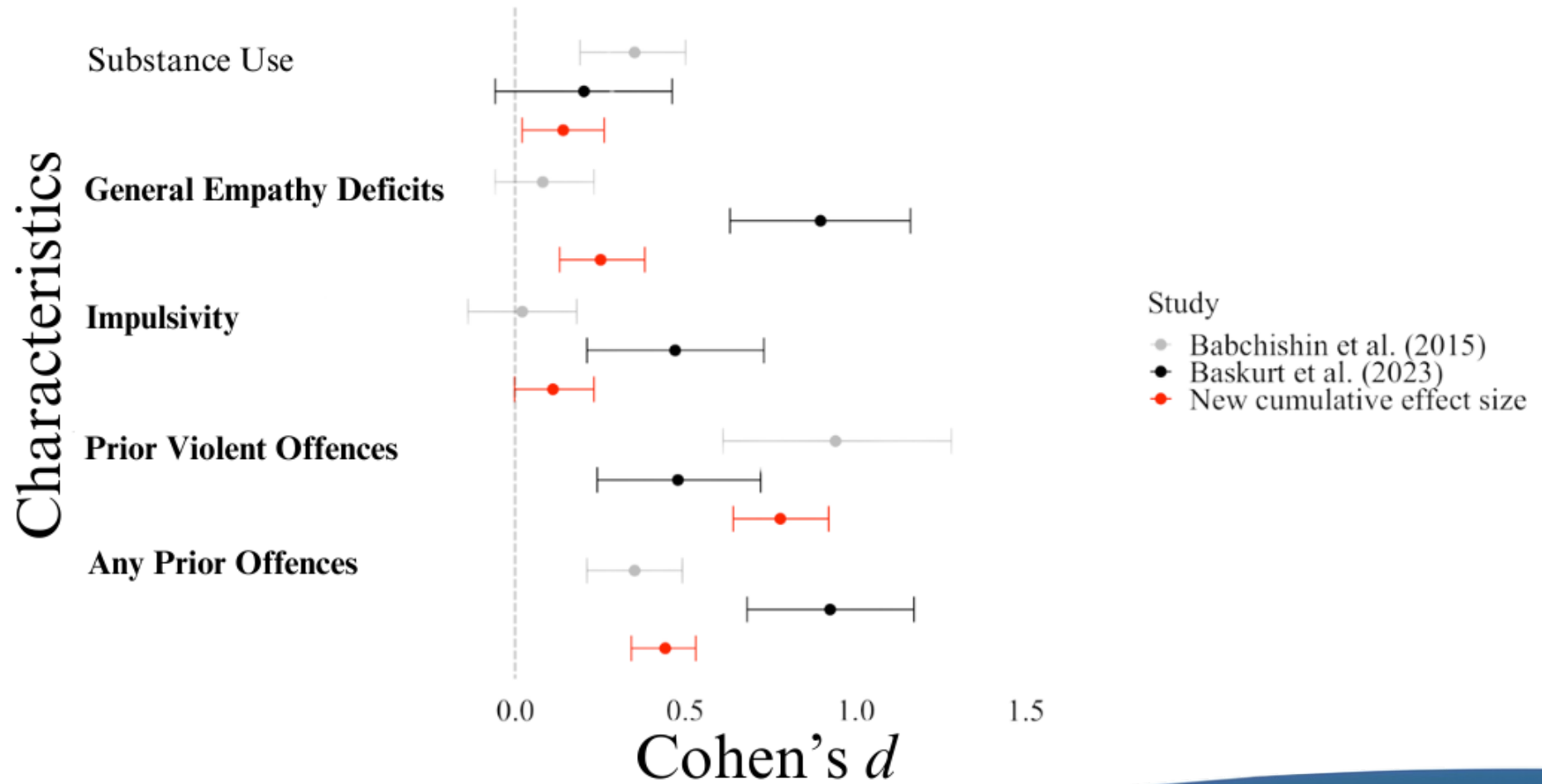
Results:

Indicators of Offending and Internet Demographics



Results:

Indicators of Antisociality and General Psychological Profiles

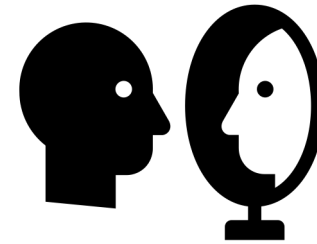


Summary

NOT Significant → Significant

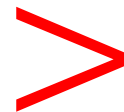


Emotional ID
w/ Children (N= 1,151)



Empathy Deficits
(N= 1,221)

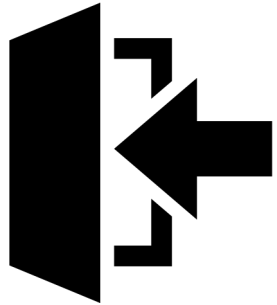
MIXED



CSEM-E

Summary (cont'd)

Cohen's d ↑



Access to Children
(N= 2,640)

Cohen's d ↑



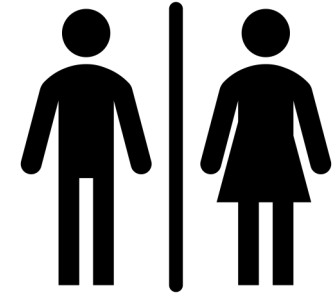
Any Prior
(N= 1,789)

Cohen's d ↓



Prior Violent
(N= 877)

Cohen's d ↑



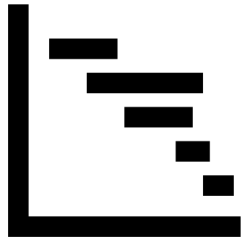
Prior Sex
(N= 877)

MIXED

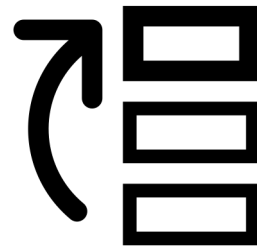


CSEM-E

Discussion



Characteristics are
changing



Case Prioritization



Risk Management
Strategies



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Thank you!
Any questions?

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