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Using Gene Set Enrichment Analysis to Create Polygenic Risk Scores for Childhood Aggression: A Developmental Examination

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Participants were from a longitudinal randomized prevention trial of high-risk children ($n = 515$, 49% female) in early childhood (2-5yo), and middle childhood (7.5-11.5yo).

Functional PRSs were associated with aggression in both the early and middle childhood models but those PRSs based on statistical thresholds and gene sets were not. Functional PRSs also showed unique developmental associations with aggression (Early childhood: 3-4yo, 5.5-6yo; Middle childhood: 8.5-10yo).