Supplemental Online Content

Piolanti A, Foran HM. Efficacy of interventions to prevent physical and sexual dating violence among adolescents: a systematic review and meta-analysis. JAMA Pediatr. Published online November 29, 2021. doi:10.1001/jamapediatrics.2021.4829

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This supplemental material has been provided by the authors to give readers additional information about their work.
## Search Strategy

| Database               | Search String                                                                                     |
|------------------------|--------------------------------------------------------------------------------------------------|
| **PubMed**             | ("intimate partner violence"[Mesh]) OR ("courtship"[Mesh] OR dating) AND ("Violence"[Mesh] OR "spouse abuse"[Mesh] OR “coercion”[Mesh])) OR ("dating violence") OR ((dating) AND (violence OR abuse OR victimization OR perpetration)) AND ("adolescent"[Mesh] OR "young people" OR student* OR youth or "young adults"). Filter: Randomized-Controlled Trials |
| **PsycINFO/Eric/PsycArticles** | ((dating.mp and violence.mp) or (dating.mp and abuse.mp) or dating violence.sh or dating violence.mp or intimate partner violence.sh or intimate partner violence.mp) AND (randomized controlled trials.sh OR randomized.mp or randomized trial.mp or RCT.mp) AND (Adolescent attitudes.sh or adolescent behavior.sh or adolescent.mp or young people.mp OR student* OR youth.sh or youth.mp or young adults.mp). |
| **Web Of Science**     | (TS=(dating violence OR intimate partner violence OR spouse abuse) OR TS=(dating and violence) OR TS=(dating and abuse) OR TI=(dating and violence) OR AB=(dating and violence)) AND (TS=(randomized Controlled Trials OR randomized OR randomized trial OR RCT) OR TI=(randomized controlled trials OR randomized OR randomized trial OR RCT) OR AB=(randomized controlled trials OR randomized OR randomized trial OR RCT) AND (TS=(adolescen* or student* or youth or young people or young adults) OR TI=(adolescen* or student* or youth or young people or young adults) OR AB=(adolescen* or student* or youth or young people or young adults)) |
eFigure 1. Flow Diagram Summarizing the Article Selection Process

- 972 Records identified through database searching
- 3 additional records identified through other sources

- 897 Records excluded
  - 158 Duplicates
  - 739 Wrong population, outcome, subject matter

- 78 Full text screened

- 59 Records excluded
  - 16 No physical or sexual violence measure
  - 9 Reported on the same population
  - 19 Participants >18 years old
  - 2 Not RCT
  - 13 Not relevant

- 19 Records included in qualitative synthesis

- 1 Record excluded for lack of data to compute effect sizes

- 18 Records included in quantitative synthesis (Meta-analysis)
eFigure 2. Estimated Risk of Bias Across All Included Studies

- Bias arising from the randomization process
- Bias due to deviations from intended interventions
- Bias due to missing outcome data
- Bias in measurement of the outcome
- Bias in selection of the reported result

Legend:
- Green: Low risk
- Yellow: Some concerns
- Red: High risk
eFigure 3. Funnel Plot of Standard Error by Log Odds Ratio (Composite Overall effect)
### eTable. Publication Bias

| Variable                       | Egger test ($P$) | Missing studies (n) | Trim-and-fill Adjusted Odds Ratio (95% CI) |
|--------------------------------|------------------|---------------------|------------------------------------------|
| Composite Overall effect       | .04              | 3                   | 0.80 (0.70 to 0.92)                       |
| Physical perpetration          | .07              | 3                   | 0.81 (0.65 to 1.00)                       |
| Physical survivorship          | .09              | 3                   | 0.83 (0.68 to 1.00)                       |
| Sexual perpetration            | .20              | 2                   | 0.90 (0.78 to 1.04)                       |
| Sexual survivorship            | .04              | 1                   | 0.91 (0.70 to 1.17)                       |
| Physical/Sexual perpetration   | .12              | 2                   | 0.80 (0.68 to 0.95)                       |
| Physical/Sexual survivorship   | .04              | 4                   | 0.81 (0.70 to 0.94)                       |