Supplemental Online Content

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This supplemental material has been provided by the authors to give readers additional information about their work.
**eMethods.**

| Literature Search |  |
|-------------------|--|
| **PubMed** | (“Sex Offenses” [Mesh] OR "Rape"[Mesh] OR “Sexual Violence” OR “Sexual Harassment” [Mesh] OR “Sexual Abuse”) AND (“Program Evaluation”[Mesh] OR Randomized or Randomized Trial or RCT) Filter: Randomized Controlled Trials |
| **PsycINFO/Eric/PsycArticles** | (Sexual Abuse.sh OR Sexual Violence.mp OR Rape.sh OR Sexual Abuse.mp OR Sexual Harassment.sh) AND (Randomized.mp OR Randomized Trial.mp or RCT.mp) |
| **Web Of Science** | (TS=(“Sexual Violence” OR “Sexual Abuse” OR Rape OR “Sexual Harassment”) OR TI=(“Sexual Violence” OR “Sexual Abuse” OR rape OR “Sexual Harassment”) OR AB=(“Sexual Violence” OR “Sexual Abuse” OR Rape OR “Sexual Harassment”)) AND (TS=(Randomized or RCT OR “Randomized Trial”) OR TI=(Randomized OR RCT OR “Randomized Trial”) ) OR AB=( Randomized OR RCT OR “Randomized Trial”)) |
**eFigure 1. Flowchart of Included Studies**

- 3331 Records identified through database searching
- 4 additional records identified through other sources
- 2515 Records excluded
  - 863 Duplicates
  - 1652 Wrong population, outcome, subject matter
- 820 Full-text records screened
- 799 Records excluded
  - Wrong population, outcome, subject matter
- 21 Records included in qualitative synthesis
- 1 Record excluded due to missing data to compute effect sizes
- 20 Records included in quantitative synthesis
  - (Meta-analysis)
### eFigure 2. Risk of Bias Assessment

| Study                | D1 | D2 | D3 | D4 | D5 |
|----------------------|----|----|----|----|----|
| Connolly et al, 2015 | −  | +  | +  | +  | −  |
| Decker et al, 2018   | −  | +  | X  | X  | +  |
| Devries et al, 2017  | +  | −  | +  | −  | +  |
| de Lijster et al, 2016 | −  | −  | +  | −  | −  |
| Espelage et al, 2014 | +  | −  | +  | X  | −  |
| Foshee et al, 2005   | +  | +  | −  | −  | −  |
| Jemmott et al, 2018  | +  | +  | +  | +  | −  |
| Mathews et al, 2016  | −  | −  | +  | −  | −  |
| Miller et al, 2012   | +  | +  | X  | −  | +  |
| Miller et al, 2020a  | −  | X  | +  | +  | +  |
| Miller et al, 2020b  | −  | +  | +  | −  | +  |
| Muck et al, 2021     | −  | −  | X  | −  | −  |
| Ozler et al, 2020    | −  | −  | +  | −  | +  |
| Palermo et al, 2021  | −  | −  | X  | −  | −  |
| Peskin et al, 2019   | −  | +  | X  | −  | −  |
| Rothman et al, 2020  | +  | +  | X  | +  | −  |
| Rowe et al, 2015     | +  | +  | +  | −  | −  |
| Stark et al, 2018    | −  | −  | +  | +  | +  |
| Taylor et al, 2010   | +  | +  | X  | +  | −  |
| Taylor et al, 2013   | −  | +  | X  | +  | −  |

**Domains:**
- **D1:** Bias arising from the randomization process.
- **D2:** Bias due to deviations from intended intervention.
- **D3:** Bias due to missing outcome data.
- **D4:** Bias in measurement of the outcome.
- **D5:** Bias in selection of the reported result.

**Judgement**
- **High**
- **Some concerns**
- **Low**

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# Efficacy of Prevention Programs on Perpetration of Sexual Violence

| Study name        | N    | Odds ratio (95% CI) | Relative Weight |
|-------------------|------|---------------------|-----------------|
| de Lijster et al, 2016 | 815  | 0.76 (0.58 – 0.99)  | 13.43           |
| Espelage et al, 2014 | 3658 | 0.81 (0.65 - 1.01)  | 16.20           |
| Foshee et al, 2005 | 2344 | 0.80 (0.64 - 0.99)  | 16.73           |
| Jemmott et al, 2018 | 1057 | 0.42 (0.24 - 0.73)  | 4.63            |
| Miller et al, 2012 | 2006 | 0.63 (0.34 - 1.17)  | 3.77            |
| Miller et al, 2020 | 866  | 1.41 (0.78 - 2.54)  | 4.11            |
| Miller et al, 2020 | 973  | 1.01 (0.55 - 1.85)  | 3.89            |
| Muck et al, 2021  | 681  | 0.94 (0.65 - 1.36)  | 8.62            |
| Peskin et al, 2019 | 1760 | 0.49 (0.18 - 1.34)  | 1.54            |
| Rothman et al, 2020 | 220  | 0.92 (0.12 - 6.89)  | 0.47            |
| Taylor et al, 2010 | 1639 | 1.03 (0.81 - 1.31)  | 15.14           |
| Taylor et al, 2013 | 2655 | 0.86 (0.64 - 1.16)  | 11.56           |
| OR; P = .005; $I^2 = 28.4\%$ | 18674 | 0.83 (0.73 - 0.95) |                |

**OR**: Odds ratio; **P**: p-value; **$I^2$**: Heterogeneity index.
### eFigure 4. Efficacy of Prevention Programs on Experience of Sexual Violence

| Study name                | N    | Odds ratio   | Relative Weight |
|---------------------------|------|--------------|-----------------|
| Connolly et al, 24 2015   | 509  | 0.95 (0.69 - 1.31) | 7.18            |
| Decker et al, 25 2018     | 7832 | 0.75 (0.62 - 0.91) | 11.08           |
| Devries et al, 26 2017    | 3706 | 1.45 (0.66 - 3.17) | 1.93            |
| de Lijster et al, 27 2016 | 815  | 0.86 (0.66 - 1.12) | 8.70            |
| Espelage et al, 28 2014   | 3658 | 0.91 (0.72 - 1.15) | 9.65            |
| Foshee et al, 29 2005     | 2344 | 0.93 (0.75 - 1.15) | 10.32           |
| Jemmott et al, 30 2018    | 1057 | 0.54 (0.33 – 0.87) | 4.28            |
| Mathews et al, 31 2016    | 3451 | 1.16 (0.75 – 1.79) | 4.96            |
| Muck et al, 35 2021       | 681  | 0.85 (0.59 – 1.22) | 6.21            |
| Ozier et al, 36 2020      | 1216 | 1.11 (0.85 – 1.45) | 8.53            |
| Palermo et al, 37 2019    | 1760 | 0.32 (0.11 – 0.94) | 1.09            |
| Peskin et al, 38 2021     | 904  | 0.39 (0.19 – 0.81) | 2.17            |
| Rowe et al, 39 2015       | 83   | 0.47 (0.24 – 0.92) | 2.54            |
| Stark et al, 40 2018      | 919  | 0.96 (0.59 – 1.57) | 4.15            |
| Taylor et al, 41 2010     | 1639 | 1.06 (0.84 – 1.34) | 9.55            |
| Taylor et al, 42 2013     | 2655 | 0.86 (0.64 – 1.16) | 7.66            |
| OR; P = .02; I² = 45.1%    | 33229| 0.87 (0.78 – 0.98) |                |

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eFigure 5. Funnel Plot for Perpetration of Sexual Violence
eFigure 6. Funnel Plot for Experience of Sexual Violence
eFigure 7. Funnel Plot for Any Sexual Violence