Supplementary Materials

Search String

(student* or young* or undergraduate* or postsecondary or college* or universit* or school* or education*).ti. AND (risk or protect* or predict* or longitudinal or cohort or associat* or correlate* or contribute* or epidemiolog* or relat* or pathway*).tw. AND (sex* or assault* or aggress* or harass* or violen* or abus* or consen* or rape or forced sex or perpetrat* or victim*).ti. AND (class?mate* or peer* or acquaintance* or date* or dating or partner or intimate or relationship* or hookup* or friend* or boyfriend or girlfriend).tw.
## Risk of Bias Assessment

| Study ID | Date   | Author                      | Sampling method | Response rates | Sample size | Measure of risk factor | Measure of outcome | Correlate score /5 | Risk factor score /3 | Causal score /7 | Total score /15 |
|----------|--------|-----------------------------|-----------------|----------------|-------------|------------------------|--------------------|-------------------|---------------------|-----------------|-----------------|
| 1        | 2004   | Abbey and McAuslan         | 0               | 0              | 0           | 1                      | 1                  | 2                 | 3                   | 6               | 11              |
| 2        | 2007   | Gidycz et al.              | 0               | 1              | 0           | 1                      | 1                  | 3                 | 3                   | 6               | 12              |
| 2        | 2011   | Gidycz et al.              | 0               | 1              | 0           | 0                      | 1                  | 2                 | 3                   | 4               | 9               |
| 3        | 2003   | Loh                        | 0               | 0              | 1           | 1                      | 2                  | 3                 | 4                   | 9               |                 |
| 3        | 2005   | Loh et al.                 | 0               | 0              | 0           | 1                      | 1                  | 2                 | 3                   | 6               | 11              |
| 6        | 2010   | Swartout and White         | 0               | 0              | 0           | 0                      | 1                  | 1                 | 3                   | 6               | 10              |
| 4        | 2016   | Testa and Cleveland        | 0               | 0              | 0           | 1                      | 1                  | 4                 | 3                   | 6               | 13              |
| 7        | 2018   | Testa et al.               | 0               | 0              | 0           | 1                      | 0                  | 1                 | 3                   | 6               | 10              |
| 7        | 2015   | Testa et al.               | 0               | 0              | 0           | 1                      | 1                  | 1                 | 3                   | 6               | 10              |
| 5        | 2013   | Thompson and Morrison(a)   | 0               | 0              | 0           | 1                      | 1                  | 5                 | 3                   | 5               | 13              |
| 5        | 2013   | Thompson et al.            | 0               | 0              | 0           | 1                      | 1                  | 5                 | 3                   | 5               | 13              |
| 5        | 2015   | Thompson et al. (b)        | 0               | 0              | 0           | 1                      | 1                  | 5                 | 3                   | 6               | 14              |
| 6        | 2019   | Walters                    | 0               | 0              | 0           | 1                      | 1                  | 0                 | 3                   | 3               | 6               |
| 6        | 2009   | White and Smith            | 0               | 0              | 0           | 1                      | 1                  | 4                 | 3                   | 6               | 13              |
| 5        | 2015   | Zinzow and Thompson        | 0               | 0              | 0           | 1                      | 1                  | 5                 | 3                   | 6               | 14              |
| 6        | 2004   | White and Smith            | 0               | 0              | 0           | 1                      | 1                  | 4                 | 3                   | 6               | 13              |
## Description of Included Studies

| Authors | Year | Study size | Outcome: Sexual violence type | Measure | Prevalence/incidence in population | Time frame | Risk and protective factors assessed |
|---------|------|------------|--------------------------------|---------|------------------------------------|------------|-------------------------------------|
| Abbey and McAuslan | 2004 | 197 | Sexual assault perpetration | Revised Sexual Experiences Survey, adapted to include 12 items (Koss et al., 1987) | 14.2% (Incidence) | Last year | Individual: Hostile gender-role beliefs, Callous attitudes toward women, Acceptance of verbal pressure, Frequency of heavy drinking, Delinquency. Relational: Age at first date (years), No. of dating partners and consensual sexual partners, Age at first consensual sex (years), Typical drinking when dating, Typical drinking prior to consensual sex, No. of women misperceived. Community/Societal: Peer approval of forced sex |
| Gidycz, Warkentin, and Orchowski | 2007 | 336 | Sexual aggression | Sexual Experiences Survey, 10 item version (Koss & Oros, 1982) | 10.2% (Incidence) | 3 months ago | Individual: History of sexual aggression, Average daily alcohol use, Problem drinking. History of verbal/physical aggression, and physical victimization. Relational: Age of first sexual intercourse. Community/Societal: Athletic or Fraternity membership. |
| Gidycz, Warkentin, Orchowski, and Edwards | 2011 | 414 | Sexually aggressive contact | Sexual Experiences Survey, 10 item version (Koss & Oros, 1982) | 10.0% (Incidence) | 3 months ago | Individual: Likelihood of engaging in sex play through arguments or pressure, Likelihood of engaging in sex through arguments or pressure, Likelihood of engaging in sex through giving alcohol/drugs. |
| Loh | 2003 | 234 | Sexual aggression | Sexual Experiences Survey, 10 item version (Koss & Oros, 1982) | 12.4% (Incidence at 7 month follow up) | 3 months ago and 7 months ago | Individual: History of perpetration, Father/Mother verbal and physical aggression, Self-verbal and physical aggression, Childhood sexual victimization, Alcohol use, Rape myth acceptance, Hyper gender ideology, Adversarial heterosexual beliefs, Reactions to Offensive Language and Behavior Scale (comfort and behavior). |

*varies slightly depending on risk factor
| Loh, Gidycz, Lobo, and Luthra. | 2005 | 184 | Sexual aggression | Sexual Experiences Survey, 10 item version (Koss & Oros, 1982) | 12.4% (Incidence at 7 month follow up) | 3 months ago and 7 months ago | Individual: Perpetration during 3 month follow up | Score on Adversarial Heterosexual Beliefs Scale | Score on Reactions to Offensive Language and Behavior Scale |
|---|---|---|---|---|---|---|---|---|---|
| Testa and Cleveland | 2016 | 992 | Sexual aggression perpetration | Sexual Experiences Survey, 16 item version (date not provided) | 9.3% (Incidence at Time 5) | Last semester (5 semesters) | Individual: Heavy episodic drinking | Party attendance | Bar attendance | Hostility toward women | Self-control | Antisocial behavior | Impersonal sex |
| Thompson and Morrison | 2013 | 571 | Technology-based sexual coercion | Unwanted internet sexual solicitation—participants’ sending “sexually suggestive content via texts, emails, or social networking sites during the past year” (p. 5) | 21.9% (Incidence) | Last year (4 years and 7 time points) | Individual: Anger | Impulsivity | Sexual compulsivity | Hostility towards women | Rape supportive beliefs | High risk drinking | Sexual abuse | Pressure for sex | Perceived negative sanctions | Pornography | Relational: Interparental conflict | Community/Societal: Peer approval of forced sex | Fraternity | Varsity sports | Student government | Religious group |
| Authors                     | Year | Sample Size | Data Collection | Incidence/Prevalence | Missing Data Handling | Time Points | Variables                                                                 |
|-----------------------------|------|-------------|-----------------|----------------------|-----------------------|-------------|---------------------------------------------------------------------------|
| Thompson, Swartout, and Koss| 2013 | 795         | Sexual aggression | 16% (Incidence)      | FIML techniques to deal with missing data | Last year (4 years and 7 time points) | Hostile masculinity, Alcohol misuse, Relational: Sex partners |
| Thompson, Kingree, Zinzow, and Swartout | 2015 | 572         | Sexual aggression trajectories | Statistic not reported but incidence rates used in calculations | Last year (4 years and 7 time points) | Impulsivity, Sexual compulsivity, Hostility toward women, Rape supportive beliefs, Heavy drinking, Pornography use, Number of sexual partners, Peer norms |
| Zinzow and Thompson         | 2015 | 526         | Sexual coercion and assault | 23% (prevalence during College) | Last year (4 years and 7 time points) | Individual: Assault history, Risky behaviour, Rape supportive believes, Antisocial traits, Childhood adversity |
| Sample 6                    |      |             |                 |                      |                       |             |                                                                           |
| White and Smith             | 2004 | 145         | Sexual assault   | 11% (Incidence)      | Last year (5 waves separated by a year) | Individual: Childhood victimization, History of perpetration |
| White and Smith             | 2009 | 136         | Sexual aggression perpetration | 7.7% (Incidence at wave 5) | Last year (5 waves separated by a year) | Individual: Prior victimization, Witnessed domestic violence, Child victimization, Parental punishment |
| Swartout and White          | 2010 | 621         | Sexual perpetration experiences | Statistic not reported but incidence rates used in calculations | Last year (1 baseline and 4 subsequent waves separated by a year) | Individual: Proximal substance use, Distal use of marijuana, Distal use of other illicit drugs |
| Sample 7                                                                 | 2019 | 851 | Sexual assault | Set of validated questions from the Longitudinal Study of Violence Against Women | (Incidence) | Last year (5 waves separated by a year) | Individual: Previous sexual assault | General offending | Race | Relational: Relationship status | Blame attributions |
|------------------------------------------------------------------------|------|-----|----------------|---------------------------------------------------------------------------------|------------|----------------------------------------|-----------------------------------|------------------|------|--------------------------------|------------------|
| Testa, Parks, Hoffman, Crane, Leonard, and Shyhalla                    | 2015 | 427 | Sexual aggression | Questions: (a) "To what extent did you use verbal persuasion to encourage your partner to engage in sexual activity with you?,” (b) “. . . use physical pressure or force to encourage your partner to engage in sexual activity with you . . . ?,” and (c) “. . . encourage her to drink or use drugs as a way of getting her to engage in sexual activity with you?” (p. 509) | Not reported | Last day (56 daily reports) | Individual: Hostility toward women | Delinquency | Socio-sexuality | Relational: Men’s intoxication | Woman’s interest |
| Testa, Brown, and Wang                                                 | 2018 | 298 | Sexual aggression | Questions: (a) "To what extent did you use verbal persuasion to encourage your partner to engage in sexual activity with you?,” (b) “. . . use physical pressure or force to encourage your partner to engage in sexual activity with you . . . ?,” and (c) “. . . encourage her to drink or use drugs as a way of getting her to engage in sexual activity with you?” (p. 4) | 18.2% (Incidence of use of physical force to obtain sex) | Last day (56 daily reports) | Individual: Drinking days | Relational: Relationship status | Drinks 4 hours before sex | Community/societal: Weekend (vs. weekday) |

*There are sixteen articles included in this review across seven distinct samples. In some cases, articles reported on the same sample.*
