<table>
<thead>
<tr>
<th>Study sample</th>
<th>“Partner” Definition</th>
<th>STIs assessed</th>
<th>Findings: Partner characteristics and significance</th>
<th>Reference</th>
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</thead>
<tbody>
<tr>
<td><strong>Couple-based studies</strong></td>
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<tr>
<td>Subjects: 96 dyads (192 males and 192 females) participating in longitudinal study</td>
<td>New sexual partner (someone with whom had vaginal intercourse for the first time within past 3 months)</td>
<td>CT, TV</td>
<td>Partner has concurrent partners: Any STI: OR = 2.40 (0.9, 1.1), p=0.56; AOR = 3.58 (1.15, 11.2), p=0.28</td>
<td>Drumright (2004)</td>
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<tr>
<td>Age (years): 18-30 (median 22)</td>
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<tr>
<td>Race/ ethnicity: 46% White</td>
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<tr>
<td>Geography: San Diego County, CA</td>
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<tr>
<td>Timeframe: 2000-2001</td>
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<tr>
<td>Subjects: 161 sexually experienced males and females STI-negative at baseline and sexually active during follow-up</td>
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<tr>
<td>Age (years): 13-21</td>
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<tr>
<td>Race/ ethnicity: 39% African-American; 16% Caucasian; 21% Latino; 24% other</td>
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<tr>
<td>Venue: HMO teen clinic</td>
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<tr>
<td>Geography: US</td>
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<tr>
<td>Timeframe: Not reported</td>
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<tr>
<td>Duration of follow-up: 9 months</td>
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<tr>
<td>Subjects: 496 females enrolled in RCT</td>
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<td>Age (years): 14-18</td>
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<tr>
<td>Race/ ethnicity: 63.3% African-American, 22.0% White, 4.4% Hispanic, 10.3% Other</td>
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<tr>
<td>Venue: Clinics</td>
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<tr>
<td>Geography: Multiple US cities</td>
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<tr>
<td>Timeframe: 1996-2000</td>
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<tr>
<td>Duration of follow-up: up to 4 months</td>
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<tr>
<td><strong>Individual prospective studies</strong></td>
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<tr>
<td>Subjects: 203 pregnant and 208 non-pregnant females</td>
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<td>Age (years): 14-19</td>
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<tr>
<td>Race/ ethnicity: 44% Black, 42% Hispanic, 14% White/other</td>
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<tr>
<td>Venue: Public health clinics</td>
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<tr>
<td>Geography: 3 cities in CT</td>
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<tr>
<td>Timeframe: 1998-2000</td>
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</tbody>
</table>
| Duration of follow-up: 12 months  
*Partner analyses conducted among 175 pregnant females | | | | |
| Subjects: 6,177 ever sexually active females  
Age (years): 15-29 (74% <25)  
Race/ ethnicity: Not reported  
Venue: Community-based  
Geography: Rakai, Uganda  
Duration of follow-up: 30 months | Most recent sexual partner | HIV | **Among all participants (vs. 0-4 years older):**  
Younger: Unadjusted PRR = 2.23 (1.60, 3.12); 5-9 years older: Unadjusted and Adjusted PRR = NS; Crude and Adjusted RR = NS; ≥10 years older: Unadjusted PRR = 1.32 (1.14, 1.54); Adjusted PRR = 1.28 (1.07, 1.52); Crude and Adjusted RR = NS; $\chi^2$ for HIV prevalence trend: p<0.001  
**Among 15-19 year olds (vs. 0-4 years older):**  
Younger: Unadjusted PRR = NS; 5-9 years older: Unadjusted and Adjusted PRR = NS; Crude and Adjusted RR = NS; ≥10 years older: Unadjusted PRR = 2.43 (1.61, 3.68); Adjusted PRR = 2.04 (1.29, 3.22); Crude and Adjusted RR = NS; $\chi^2$ for HIV prevalence trend: p<0.001  
**Among 20-24 year olds (vs. 0-4 years older):**  
Younger: Unadjusted PRR = NS; 5-9 years older: Unadjusted and Adjusted PRR = NS; Crude and Adjusted RR = NS; ≥10 years older: Unadjusted PRR = 1.25 (1.00, 1.56); Adjusted PRR = NS; Crude and Adjusted RR = NS; $\chi^2$ for HIV prevalence trend: p=0.05 | Kelly (2003)$^9$ |
| Subjects: 225 females CT+ at baseline  
Age (years): 14-18  
Race/ ethnicity: 73.3% Black, 16.4% White, 10.2% Other  
Venue: Clinics  
Geography: Multiple US cities  
Timeframe: 1995-1997  
Duration of follow-up: 4 months | Not reported, obtained information about multiple partners | Recurrent CT | Partner’s age ≥3 years older (vs. <3 years older): OR = NS | Kissinger (2002)$^{10}$ |
| Subjects: 319 homeless males and 217 homeless females  
Age (years): 13-20  
Race/ ethnicity: 73.3% Black, 16.4% White, 10.2% Other  
Venue: Family planning or STD clinics  
Geography: Oregon  
Timeframe: 1995-1997  
Duration of follow-up: 6 months | Sexual partner in the past 3 months | CT, HSV-2 | Partners ≥10 years older: Any STI: Males: OR = NS; Females: OR = 2.4 (1.1, 5.5) | Noell (2001)$^{11}$ |
| Subjects: 792 females CT+ at baseline  
Age (years): 14-34 (51.8% ≤19)  
Race/ ethnicity: Not reported  
Venue: Clinics  
Geography: Multiple US cities  
Timeframe: Not reported  
Duration of follow-up: 4 months | Not reported | Persistent/recurrent CT | Any partner ≥ 5 years older: RR= NS (at first return visit)  
All partners said they were treated: RR = NS (at both return visits) | Whittington (2001)$^{12}$ |
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</table>
| Subjects: 650 females  
Age (years): 14-19  
Race/ethnicity: 93% African-American, 7% White/Other  
Venue: Teen clinics  
Geography: Southeastern US city
Timeframe: 1991-1993  
Duration of follow-up: 6 months | Most recent sexual partner in the past 6 months | CT, GC, TV, syphilis, HBV, HSV-2 | Partner >21 years old: Any STI: RR = NS  
Partner has STI history: Any STI: RR = NS | Bunnell (1999)<sup>13</sup> |
| Subjects: 196 CT-infected females randomized to different treatment arms and partners  
Age (years): 73% <25  
Race/ethnicity: 57% African-American  
Venue: Clinics  
Geography: Multiple US cities
Timeframe: Not reported  
Duration of follow-up: 1 month | Partner in the past 2 months | Persistent/recurrent CT | Partner may have multiple partners: RR: NS | Hillis (1998)<sup>14</sup> |
| Subjects: 86,844 sexually active females tested for CT  
Age (years): 15-19  
Race/ethnicity: Not reported  
Venue: Family planning clinics  
Geography: Multiple cities in Region X
Timeframe: 1988-1992  
Duration of follow-up: up to 4 years | Not reported | CT | Symptomatic (dysuria or discharge) sex partner (cross-sectional model): AOR = 2.3 (1.8, 3.0)  
Symptomatic (dysuria or discharge) sex partner (longitudinal model): AOR = 2.1 (1.7, 2.6) | Mosure (1996)<sup>15</sup> |
| Subjects: 240 female sex workers HIV-at baseline  
Age (years): Mean 22  
Race/ethnicity: Not reported  
Venue: Brothels  
Geography: Khon Kaen, Thailand | Not reported | HIV | Sex with foreign Asian clients: crude IRR, POR and Adjusted POR = NS | Ungchusak (1996)<sup>16</sup> |
<table>
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</tr>
</thead>
</table>
| **Timeframe:** 1990-1991  
**Duration of follow-up:** 1 year | | | | |
| **Subjects:** 1,150 postpartum females  
**HIV- at baseline**  
**Age (years):** Mean 24.5  
**Race/ ethnicity:** Not reported  
**Venue:** Antenatal clinics  
**Geography:** Butare, Rwanda  
**Timeframe:** 1989-1993  
**Duration of follow-up:** 2 years | | HIV | Partner visits town daily: **RR = 9.1 (3.7, 22.7)** | Bulterys (1994) |
| **Individual cross-sectional studies** | | | | |
| **Subjects:** 1,090 females  
**Age (years):** 16-45 (median age 24)  
**Race/ ethnicity:** 44.7% White, 34.9% Black, 8.9% Asian, 2.7% Native American, 8.8% Other  
**Venue:** STD clinics  
**Geography:** Seattle, WA  
**Timeframe:** 2000-2006 | | MG | Most recent sexual partner  
**Age difference:** $\chi^2 = NS$  
**Partner’s education:** 22.7% <high school, 41.3% high school diploma, 25.3% some college, 10.7% college graduate or some graduate school among MG+ vs. 14.9% <high school, 31.8% high school diploma, 29.3% some college, 23.9% college graduate or some graduate school among MG-, p=0.017  
**Education discordance:** $\chi^2 =NS$  
**Partner income:** 61.0% <$10,000, 39.0% ≥$10,000 among MG+ vs. 42.7% <$10,000, 57.3% ≥$10,000, p=0.006  
**Income discordance:** $\chi^2 =NS$  
**Partner has concurrent partners:** $\chi^2 =NS$  
**Partner has had STI:** $\chi^2 =NS$  
**Partner has used drugs:** $\chi^2 =NS$  
**Partner has used IV drugs:** 1.3% MG+ vs. 7.1% MG-, p=0.053  
**Partner has spent ≥1 night in jail:** 25.2% Yes, 65.3% No, 9.3% Don’t know among MG+ vs. 45.1% No, 40.5% Yes, 14.4% Don’t know among MG-, p<0.001  
**Black (vs. non-Black partner):** AOR = 3.4 (1.83, 6.29) | Hancock (2010) |
| **Subjects:** 74 MSM  
**Age (years):** 18-48 (median age 23, 75% ≤ 25)  
**Race/ ethnicity:** 61% White  
**Venue:** Screening program, internet,  
**3 most recent sex partners** | | Primary HIV | Mean age of sex partners ≥5 years older than participant: AOR = 2.0 (1.2, 3.3)  
Mean age of sex partners ≥10 years older than participant: AOR = 4.1 (1.5, 11)  
Mean age of sex partners ≥5 years older than participant (among participants ≤23 | Hurt (2010) |
<table>
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<tr>
<th>Study sample ¹ ²</th>
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<th>Findings: Partner characteristics and significance*</th>
<th>Reference †</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subjects: 176 pregnant females</td>
<td>Age (years): 15-19 &lt;br&gt;Race/ ethnicity: Not reported</td>
<td>Venue: Primary health care clinics</td>
<td>Not provided, though 90% married</td>
<td>HIV, HSV-2</td>
</tr>
<tr>
<td>Subjects²: 122 males and 103 females</td>
<td>Age (years): 15-35 (mean 21.8 (women))</td>
<td>Race/ ethnicity: 41% Black</td>
<td>Any sex partner in the past three months</td>
<td>GC</td>
</tr>
<tr>
<td>Subjects²: 1,290 postpartum women</td>
<td>Age (years): 12-47 (mean=24.6)</td>
<td>Race/ ethnicity: Not reported</td>
<td>Current partner (age difference, “womanizer”, visiting prostitutes). Any current or previous partner (drug use, prison history)</td>
<td>CT</td>
</tr>
<tr>
<td>Subjects: Sexually experienced males (n=200) and females (n=212)</td>
<td>Age (years): 15-24</td>
<td>Race/ ethnicity: 41% White</td>
<td>Both for main partner and most recent non-main partner</td>
<td>CT, GC, TV, syphilis, HSV-2, warts</td>
</tr>
<tr>
<td>Study sample</td>
<td>“Partner” Definition</td>
<td>STIs assessed</td>
<td>Findings: Partner characteristics and significance*</td>
<td>Reference†</td>
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<tr>
<td>Subjects: 41 males and 125 females who did not report injection drug use 12 months before HIV test</td>
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<td><strong>Intermediate (vs. low) partner composite risk</strong> score: Any STI: AOR (adjusted for demographics) = 2.2 (1.3, 4.4); AOR (adjusted for demographics and individual sexual activities) = 2.1 (1.0, 4.2)</td>
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<tr>
<td>Age (years): 17-55+ (59% &lt;25 years)</td>
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<td><strong>High (vs. low) partner composite risk</strong> score: Any STI: AOR (adjusted for demographics) = 3.9 (1.9, 8.0); AOR (adjusted for demographics and individual sexual activities) = 3.4 (1.6, 7.0)</td>
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<tr>
<td>Race/ethnicity: Not reported</td>
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<td></td>
<td>**Composite risk for each participant based on 6 partner characteristics: ≥5 years age discordance, incarceration history, STI diagnosis in past year, other partners in past year, alcohol program, marijuana problem</td>
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<tr>
<td>Venue: HIV testing sites</td>
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<td>Geography: 4 oblasts in Russia</td>
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<td>Timeframe: 2003-2004</td>
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<tr>
<td>Subjects: 715 African-American females</td>
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<td><strong>Regular partner HIV+:</strong> Women: OR = 24 (5.4-110); Gender –adjusted OR = 26 (5.8-120)</td>
<td>Burchell (2008)²⁴</td>
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<tr>
<td>Age (years): 15-21</td>
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<td><strong>Regular partner of unknown HIV status:</strong> Men: OR = NS; Women: OR = NS; Gender-adjusted OR = NS</td>
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<tr>
<td>Race/ethnicity: 100% African-American</td>
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<td><strong>Regular partner IDU:</strong> Men: OR = 1.9 (0.28, 13); Women: OR = 3.2 (1.5, 7.0); Gender–adjusted OR = 3.0 (1.5, 6.1); AOR (all participants) =3.58 (1.51, 8.49); AOR (participants who never injected drugs) = 3.26 (1.36, 8.34)</td>
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<tr>
<td>Venue: Reproductive health clinics</td>
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<td><strong>Casual partner IDU:</strong> Men: OR = 1.2 (0.21, 6.7); Women: OR = 2.7 (0.27, 26); Gender-adjusted OR = 1.6 (0.42, 6.3)</td>
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<tr>
<td>Geography: Atlanta, GA</td>
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<tr>
<td>Timeframe: 2002-2004</td>
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<tr>
<td>Subjects: 715 African-American females</td>
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<td><strong>Unprotected sex with HIV+/unknown status regular partner:</strong> Men: OR = NS, AOR (all participants) = NS, AOR (participants who never injected drugs) = NS ; Women: OR = 8.1 (3.4, 19, ), AOR (all participants) = 5.35 (2.13, 13.4), AOR (participants who never injected drugs) = 5.61 (2.10, 15.0); Gender-adjusted OR = 3.9 (2.0, 7.7),</td>
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<tr>
<td>Race/ethnicity: 100% African-American</td>
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<td><strong>Unprotected sex with partner with STI signs/symptoms:</strong> Men: OR = NS, Women: OR = 5.5 (1.2, 26), Gender-adjusted OR = 4.1 (1.1, 15); AOR (all participants) = 6.39 (1.07, 38.1); AOR (participants who never injected drugs) = NS</td>
<td>Crosby (2008)²⁵</td>
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<tr>
<td>Venue: Reproductive health clinics</td>
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<tr>
<td>Geography: Atlanta, GA</td>
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<tr>
<td>Subjects: 129 males and 30 females</td>
<td>Age (years): Cases median = 22; controls median 23</td>
<td>3 most recent sexual partnerships</td>
<td>GC</td>
<td>Partner is of concordant gender: OR = 9.51 (4.91, 18.39) p&lt;0.0001; AOR = 47.77 (9.74, 234.38) p&lt;0.001</td>
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<tr>
<td>Age (years): 97% White, 1% Black, 2% Other</td>
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<tr>
<td>Race/ ethnicity: 97% White, 1% Black, 2% Other</td>
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<td>Venue: Genitourinary clinic</td>
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<tr>
<td>Geography: Glasgow, Scotland</td>
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<td>Timeframe: 2003-2004</td>
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<tr>
<td>Subjects: 5,854 sexually experienced females</td>
<td>Age (years): 18-26 (mean 21.8)</td>
<td>Most recent male sex partner</td>
<td>CT</td>
<td>Most recent partner age difference (years) (vs. -1 to 1): -8 to -2: OR = 1.9 (1.0, 3.7); AOR = NS; 2 to 5: OR and AOR = NS; 6 to 36: OR and AOR = NS</td>
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<tr>
<td>Race/ ethnicity: 68.2% White, 17.1% Black, 11.0 Latino, 2.9% Asian American, 0.8% Native American</td>
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<tr>
<td>Venue: Wave III National Longitudinal Study of Adolescent Health</td>
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<tr>
<td>Geography: US National</td>
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<tr>
<td>Timeframe: 2001-2002</td>
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<tr>
<td>Subjects: 2,932 males and females</td>
<td>Age (years): 18-27 (77% &lt;24)</td>
<td>Most recent sexual partnership</td>
<td>MG</td>
<td>Partner’s race/ ethnicity (vs. White): Black: PR = 32.20 (4.24, 245.06); Latino: PR = 11.00 (1.18, 103.43); Asian: PR = 14.00 (1.24, 157.70); Other: PR = 62.47 (4.27, 913.20)</td>
</tr>
<tr>
<td>Race/ ethnicity: 50.2% White, 22.9% Black, 18.2% Latino, &lt;1% Native American, &lt;1% Asian</td>
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<tr>
<td>Venue: Wave III National Longitudinal Study of Adolescent Health</td>
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<tr>
<td>Geography: US National</td>
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<tr>
<td>Timeframe: 2001-2002</td>
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<tr>
<td>Subjects: 250 females</td>
<td>Age (years): 13-18</td>
<td>Partner penile discharge: Any STI: OR = 0.16 (0.45, 0.52)</td>
<td>CT, GC</td>
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<tr>
<td>Race/ ethnicity: 79.9% African-American, 19.6% Caucasian, 0.01% Other</td>
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<tr>
<td>Respondent younger ≥3 years: NS; Respondent older ≥3 years: PR = 3.10 (0.89, 10.68)</td>
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<tr>
<td>Partner had concurrent partners: PR = 0.10 (0.03, 0.61)</td>
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*The data provided show the odds of CT/GC among participants who did not report partner penile discharge relative to those who did is 0.16. The odds of CT/GC among those who reported partner penile discharge relative to those who did not appears to
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<th>Reference</th>
</tr>
</thead>
</table>
| **Venue**: Pediatric ER  
**Geography**: Cincinnati, OH  
**Timeframe**: 2003-2004 | | |  | 
| **Subjects**: Sexually active males (n=67) and females (n=99)  
**Age (years)**: 14-19  
**Race/ethnicity**: 100% African-American  
**Venue**: Households  
**Geography**: San Francisco, CA  
**Timeframe**: 2000-2001 | Any of up to 6 sex partners in the past 3 months | CT, GC | Any partner ≥5 years older: Any STI: OR = NS  
Any partner not African-American: Any STI: OR = NS  
Any partner with history of incarceration: Any STI: OR = 6.56 (1.77, 24.27) p<0.05  
Any partner with history of gang membership: Any STI: OR = NS  
Any partner with perceived other partners: Any STI: OR = NS | Auerswald (2006) |
| **Subjects**: 1,550 females participating in RCT who reported sexual intercourse in 3 months prior to baseline assessment  
**Age (years)**: mean 19.1  
**Race/ethnicity**: 58.1% White, 19.5% Hispanic, 17% African-American, 2.7% Asian/Pacific Islander, 2.6% Native American  
**Venue**: US Marine Corps recruit training  
**Geography**: US  
**Timeframe**: Not reported | Last sex partner and lifetime partners | CT, GC, TV | Last sex partner ≥24 years (vs. <24): Any STI: $\chi^2 = NS$  
Age difference between participant and last sex partner: Any STI: $\chi^2 = NS$  
**Race/ethnicity of last sex partner**: Any STI: African-American 31.2%, Asian/Pacific Islander 12.5%, White 9.3%, Hispanic 12.0%, Native American 22.2%, p<0.001  
Partner(s) had sex with others: Any STI: Yes/not sure 17.1%, No 11.6%, p<0.01; AOR = 1.57 (1.15, 2.14)  
Partner(s) had STIs: Any STI: Yes/not sure 19.1%, No 13.2%, p<0.05;  
**Race of last sex partner (vs. White)**: African-American: AOR = 4.84 (3.38, 6.94), p<0.001; Asian/Pacific Islander: AOR = NS; Hispanic: AOR = NS; Native American: 2.58 (1.06, 6.24), p<0.05 | Boyer (2006) |
| **Subjects**: 1,277 sexually experienced males  
**Age (years)**: 15-26 (mean 19.2)  
**Race/ethnicity**: Xhosa  
**Venue**: Schools  
**Geography**: Eastern Cape, South Africa  
**Timeframe**: 2002-2003 | Lifetime sex partner | HIV | Ever had sex with a man: AOR = 3.61 (1.0, 13.0), p=0.05 | Jewkes (2006) |
| **Subjects**: 1,295 sexually active females  
**Age (years)**: 15-26 (mean 18.7)  
**Race/ethnicity**: Not reported  
**Venue**: Schools  
**Geography**: Eastern Cape, South Africa  
**Timeframe**: Not reported | Current or most recent main partner | HIV | Partner 3+ years older: OR = 1.69 (1.16, 2.48), p=0.007  
Partner educated to matric or higher: OR = 1.91 (1.30, 2.78), p=0.001 | Jewkes (2006) |
<table>
<thead>
<tr>
<th>Study sample</th>
<th>“Partner” Definition</th>
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<th>Findings: Partner characteristics and significance*</th>
<th>Reference†</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timeframe: 2002-2003</td>
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<tr>
<td>Subjects: 2,654 pregnant females</td>
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<td>Age (years): 14-43 (mean 24.6)</td>
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<tr>
<td>Race/ ethnicity: Not reported</td>
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<td>Venue: Antenatal care clinics at primary health clinics</td>
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<td>Geography: Moshi, Tanzania</td>
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<tr>
<td>Timeframe: 2003-2004</td>
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<tr>
<td>Subjects: 31,762 females tested for CT and GC</td>
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<td>Age (years): 15-24</td>
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<tr>
<td>Race/ ethnicity: 90% White, 10% Black</td>
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<td>Venue: Family planning clinics</td>
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<td>Geography: Missouri</td>
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<td>Timeframe: 2001</td>
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<tr>
<td>Subjects: 8,735 males and females</td>
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<td>Age (years): 15-24</td>
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<td>Race/ ethnicity: Not reported</td>
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<tr>
<td>Venue: Community-based</td>
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<tr>
<td>Geography: Kwa-Zulu and Eastern Cape, South Africa</td>
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<tr>
<td>Timeframe: 2002</td>
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<tr>
<td>Subjects: 11,904 males and females</td>
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<td>Age (years): 15-24</td>
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<tr>
<td>Race/ ethnicity: Not reported</td>
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<td>Timeframe: 2005</td>
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### Findings: Partner characteristics and significance

- **Partner age (years) (vs. <25):**
  - 25-34: OR = 2.42 (1.34, 4.37) p=0.003
  - 35-71: OR = 3.62 (1.97, 6.66), p<0.001

- **Age difference (years) (vs. 0):**
  - 1-11: OR = 2.57 (1.35, 4.97), p=0.01
  - 12-41: OR = 1.51 (0.87, 2.61), p=0.17

- **Partner has other women outside relationship (vs. No):**
  - Yes: OR = 22.57 (13.51, 37.69) p<0.001
  - Don’t know: OR = 2.82 (1.75, 4.53), p<0.001

- **Partner consumes alcohol (vs. No):**
  - Occasionally/weekly: OR = 1.26 (0.84, 1.92)
  - Daily: OR = 2.28 (1.55, 3.36), p<0.001

- **Partner travels ≥4 times/month (vs. No):**
  - Yes: OR = 1.86 (1.35, 2.57), p<0.001

- **Partners occupation (vs. professional):**
  - Driver: OR = 1.26 (0.84, 1.92)
  - Army/ police force/ security guard: OR = 1.26 (0.84, 1.92)
  - Tour guide/ miner: OR = 4.51 (1.36, 14.97), p=0.02
  - Other: OR = 1.26 (0.84, 1.92)

- **Verbal or physical abuse by partner (vs. No):**
  - Yes: OR = 1.66 (1.13, 2.43), p=0.01

- **Partner 1st person wished to share HIV results with:**
  - OR = 2.58 (1.76, 3.79), p<0.001

### Reference
- Msuya (2006)³⁴
- Einwalter (2005)³⁵
- Pettifor (2005)³⁶
- Pettifor (2005)³⁷
<table>
<thead>
<tr>
<th>Study sample</th>
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<tbody>
<tr>
<td>Venue: Community-based&lt;br&gt;Geography: South Africa&lt;br&gt;Timeframe: 2003</td>
<td></td>
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<td>3.22 (1.25, 8.33); Women 20-24 years: 1-4 years older: AOR = 2.28 (1.45, 3.59); ≥5 years older: AOR = NS</td>
<td>Jennings (2004) 38</td>
</tr>
<tr>
<td>Subjects: 208 females&lt;br&gt;Age (years): 14-19&lt;br&gt;Race/ethnicity: 100% Black, &lt;1% White&lt;br&gt;Venue: Clinic&lt;br&gt;Geography: Baltimore, MD 1&lt;br&gt;Timeframe: 2000-2002</td>
<td>Most recent main sex partner in the past 3 months&lt;br&gt;CT, GC</td>
<td>Partner sexual concurrency: OR: NS (main effects model); OR: 0.22 (0.06, 0.83) (interaction model, interaction term = partner sexual concurrency*gonorrhea rate per census block group: OR: 20.4 (1.07,3.87))</td>
<td></td>
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<tr>
<td>Subjects: Sexually active males (n=449) and females (n=359)&lt;br&gt;Age (years): 15-24 (women), 20-34 (males)&lt;br&gt;Race/ethnicity: Not reported&lt;br&gt;Venue: Households&lt;br&gt;Geography: Bobo-Dioulasso, Burkina Faso 2&lt;br&gt;Timeframe: 2000</td>
<td>First sexual intercourse; non-marital partner in past 12 months&lt;br&gt;HIV</td>
<td>Age of first partner &gt;24 years (vs 15-24): OR = 2.2 p=0.012; AOR = 4.30 (1.35, 13.6), p=0.01&lt;br&gt;Age difference with non-marital partner: $\chi^2 = \text{NS}$</td>
<td>Lagarde (2004) 39</td>
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<tr>
<td>Subjects: 202 males and 420 females&lt;br&gt;Age (years): 18-25 (median 21)&lt;br&gt;Race/ethnicity: Not reported&lt;br&gt;Venue: Universities&lt;br&gt;Geography: Seoul, South Korea 2&lt;br&gt;Timeframe: Not reported</td>
<td>Not reported&lt;br&gt;CT, GC</td>
<td>Partner symptomatic: Any STI: OR = NS</td>
<td>Lee (2004) 40</td>
<td></td>
</tr>
<tr>
<td>Subjects: 4,066 sexually experienced females&lt;br&gt;Age (years): 15-24&lt;br&gt;Race/ethnicity: Not reported&lt;br&gt;Venue: Households&lt;br&gt;Geography: South Africa 2&lt;br&gt;Timeframe: Not reported</td>
<td>Most recent sex partner in the past 12 months&lt;br&gt;HIV</td>
<td>Partner forced participant to have sex: $\chi^2 = \text{NS}$&lt;br&gt;Partner ≥10 years older: $\chi^2 = \text{NS}$</td>
<td>Pettifor (2004) 41</td>
<td></td>
</tr>
<tr>
<td>Subjects: 2,859 puerperal females&lt;br&gt;Age (years): 54% ≤23&lt;br&gt;Race/ethnicity: 14% Black/other, 50% Brown, 36% White&lt;br&gt;Venue: 24 Hospital maternity wards</td>
<td>Not reported&lt;br&gt;Syphilis</td>
<td>Partner tested for syphilis during this pregnancy: OR = 1.79 (1.11, 2.89); AOR = 1.88 (1.13, 3.16)</td>
<td>Rodrigues (2004) 42</td>
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<tr>
<td>Study sample</td>
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</table>
| Geography: Brazil<sup>2</sup>  
Timeframe: 2000 | | | | |
| Subjects: 169 unmarried pregnant females  
Age (years): 14-21  
Race/ethnicity: 100% African-American  
Venue: Prenatal clinic  
Geography: Atlanta, GA  
Timeframe: 1999-2000 | Current steady sex partner | CT, TV | **Partner at least 2 years older (vs. similar age):**  
CT: PR = 3.43 (1.06, 11.11), p=0.02;  
AOR = 4.03 (1.08, 13.81), p=0.04  
TV: PR = NS | Begley (2003)<sup>43</sup> |
| Subjects: 385 sexually active heterosexual males  
Age (years): 16-35 (55%<25)  
Race/ethnicity: 100% Back  
Venue: Genitourinary medicine clinic and community  
Geography: Caribbean<sup>2</sup>  
Timeframe: 2000-2001 | Female sex partner in past 5 years | GC | Number of Black Caribbean partners: 10% 0, 58% 1, 16%2, 15% ≥3 among controls vs. 26% 0, 24% 1, 19% 2, 30% ≥3 among GC+, p<0.001  
Number of Black Other partners: 87% 0, 9% 1, 7% ≥2 among controls vs. 73% 0, 12% 1, 15% ≥2 among GC+, p=0.001  
Number of White partners: 77% 0, 14% 1, 9% ≥2 among controls vs. 51% 0, 22% 1, 26% ≥2 among GC+, p<0.001  
Number of Indian partners: 97% 0, 3% ≥1 among controls vs. 91% 0, 9% ≥1 among GC+, p=0.017  
1 Black Caribbean female partner (vs.0): AOR = ~0.1  
2 Black Caribbean female partners (vs.0): AOR = ~0.1  
≥2 Black Caribbean female partners (vs.0): AOR = ~0.05  
≥1 Indian female partner (vs.0): AOR = ~10 | Ross (2003)<sup>44</sup> |
| Subjects<sup>6</sup>: 7,964 sexually active or ever married males and females  
Age (years): 13+  
Race/ethnicity: Not reported  
Venue: Households  
Geography: Masaka District, Uganda<sup>2</sup>  
Timeframe: 1999-2000 | First sexual partner | HIV | **Age of first sexual partner (among 13-19 year olds) (vs. same age):**  
Older: AOR = NS  
Younger: AOR = NS  
χ<sup>2</sup> for HIV prevalence trend: NS | Carpenter (2002)<sup>45</sup> |
| Subjects<sup>6</sup>: 2,153 males and 2,276 females | Most recent sex partner | HIV | **Number of years most recent partner is older:**  
Men: Age-adjusted OR = 1.13 (1.02, 1.25), p=0.017  
Women: Age-adjusted OR = 1.03 (1.00, 1.06), p=0.032  
Men and | Gregson (2002)<sup>46</sup> |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Age (years): 17-24</td>
<td>Race/ethnicity: Not reported</td>
<td>Race/ethnicity: Not reported</td>
<td>Venue: Households</td>
<td>Geography: Manicaland, Zimbabwe²</td>
</tr>
<tr>
<td>Subjects: Sexually active males (n=723) and females (n=784)</td>
<td>Race/ethnicity: Not reported</td>
<td>Race/ethnicity: Not reported</td>
<td>Venue: Households</td>
<td>Geography: Gauteng, South Africa²</td>
</tr>
<tr>
<td>Subjects: 1,608 pregnant females</td>
<td>Age (years): 15-45(mean 23.8)</td>
<td>Race/ethnicity: Not reported</td>
<td>Venue: Antenatal clinics</td>
<td>Geography: Vitória, Brazil²</td>
</tr>
<tr>
<td>Subjects: 243 females</td>
<td>Age (years): 12-18</td>
<td>Race/ethnicity: 73% African-American; 15% Hispanic; 12% White/Other</td>
<td>Venue: Not reported</td>
<td>Geography: 13 US cities¹</td>
</tr>
<tr>
<td>Study sample</td>
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<td>Findings: Partner characteristics and significance</td>
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<tr>
<td>Age (years): 15-29 (72% &lt;25) Race/ ethnicity: 93% Black</td>
<td>casual partner</td>
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<td>no casual partner: Unknown: OR = 6.2 (3.2, 12.5); ≥1: OR = NS; 0: OR = NS</td>
<td>(2000)</td>
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<tr>
<td>Geography: Newark, New Jersey</td>
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<td>Did not know number of sex partners of most recent casual partner: Among men with casual partners: OR = 3.9 (1.3, 11.6)</td>
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<tr>
<td>Venue: STD clinic</td>
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<tr>
<td>Timeframe: 1995-1996</td>
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<tr>
<td>Subjects: 1003 sexually experienced males and females</td>
<td>Sex partner in previous 3 months</td>
<td>CT, GC</td>
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<tr>
<td>Age (years): 14-45 (68% &lt;25) Race/ ethnicity: 51% White</td>
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<td>Aral (1999)</td>
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<tr>
<td>Venue: STD clinics, adolescent medicine clinics, public and private health clinics</td>
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<td>Geography: Seattle, WA</td>
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<td>Timeframe: 1992-1994</td>
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<td>Study sample</td>
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<tr>
<td>Subjects: Sexually experienced males (n=118) and females (n=167) participating in longitudinal study</td>
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<td>past 3 months (vs. partner has had 1 partner): GC: OR = 3.09(\Delta); CT: OR = NS; Participant had ≥3 partners in past 3 months (vs. partner had ≥3 partners): GC: 0.39(\Delta); CT: OR = NS</td>
<td>Boyer (1999)(^5^2)</td>
</tr>
<tr>
<td>Subjects: 1,149 female college students</td>
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<td>Partner ≥2 years older: Any STI: (\chi^2 = 5.56, p&lt;0.05); AOR = 2.63 (1.22, 5.67)</td>
<td>Cook (1999)(^5^3)</td>
</tr>
<tr>
<td>Subjects: 231 males and 259 females participating in longitudinal study</td>
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<td>Partner with STD: All participants: OR = 9.9 (1.3, &gt;100), p=0.05; Asymptomatic cases (n=12): NS</td>
<td>Obasi (1999)(^5^4)</td>
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<tr>
<td>Subjects: 2,784 female students</td>
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<td>Age of spouse (years) (vs. &lt;20 years): Men: 20-24: OR = NS; &gt;24: OR = NS; Women: 20-24: OR = NS; &gt;24: OR = NS</td>
<td>Vuylsteke (1999)(^5^5)</td>
</tr>
<tr>
<td>Study sample²</td>
<td>“Partner” Definition</td>
<td>STIs assessed³</td>
<td>Findings: Partner characteristics and significance*</td>
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</table>
| Geography: Antwerp, Belgium¹  
Timeframe: 1996-1997 | | | | |
| Subjects: 185 males and females (65% male)  
Age (years): 15-24  
Race/ethnicity: 80% African-American, 7% Hispanic, 5% White, 1% Asian, 7% Other  
Venue: STD control database  
Geography: San Francisco, CA¹  
Timeframe: 1996-1997 | Lifetime partner | Repeated GC | Ever having sex partner inform patient of STD: $\chi^2 = \text{NS}$  
Any partner African-American: 36% vs. 56% (first-time infected vs. repeat infection), $p=0.01$  
Non-main partner who is same race as patient: 67% vs. 82% (first-time infected vs. repeat infection), $p=0.04$ | Klausner (1998)⁵⁶ |
| Subjects*: 686 pregnant women participating in longitudinal study and male partners (n=not reported)  
Age (years): 14-41 (HIV+ median = 22, HIV- median = 24)  
Race/ethnicity: Not reported  
Venue: Hospital antenatal clinics  
Geography: Bangkok, Thailand²  
Timeframe: 1991-1996 | Current sex partner (husband or regular partner at enrollment) | HIV | Partner is an IDU: 4.89 (1.78, 16.71), $p<0.001$; AOR = 3.57 (1.23, 10.41), $p=0.02$  
Partner has had sex with female sex worker: OR = 6.27 (4.15, 9.48), $p<0.001$; AOR = 3.95 (2.51, 6.21), $p<0.001$  
Partner has history of STI: OR = 7.21 (4.49, 12.66), $p<0.001$; AOR = 4.23 (2.81, 6.42), $p<0.001$  
Frequency of sex with female sex workers while married (vs. never): Sometimes: OR = 2.52 (1.42, 4.50); Often: OR = 9.99 (2.33, 89.70); $p<0.001$ | Siriwasin (1998)⁵⁷ |
| Subjects*: 31,703 females  
Age (years): 12-81 (Mean 22.3 at family planning clinics, 25.2 at STD clinics)  
Race/ethnicity: Not reported  
Venue: Family planning and STD clinics  
Geography: Multiple US cities¹  
Timeframe: 1989-1990 and 1993 | Not reported | CT | Partner with ≥2 sex partners: OR = 1.9 (1.4, 2.5); AOR = NS  
Partner with discharge or dysuria: OR = 25 (1.6, 3.4); AOR = 2.3 (1.3, 4.0) | Marrazzo (1997)⁵⁸ |
| Subjects*: 148,650 sexually active females  
Age (years): 15-19  
Race/ethnicity: 90% White, 3% Black, 7% Other | Not reported | CT | Partner with multiple sex partners: OR = 1.70 (1.60, 1.82); AOR = 1.2 (1.1, 1.3)  
Symptomatic (dysuria or discharge) sex partner: OR = 2.92 (2.63, 3.25); AOR = 2.1 (1.9, 2.4) | Mosure (1997)⁵⁹ |
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</thead>
<tbody>
<tr>
<td>Venue: Title X family planning clinics&lt;br&gt;Geography: Region X</td>
<td>CT and GC</td>
<td>Sex partner with CT: CT:PR = 3.74 (2.72, 5.16); GC: PR = 6.90 (2.97, 15.99)&lt;br&gt;Sex partner with GC: CT:PR =3.43 (1.87, 6.29); GC: PR = 45.97 (24.19, 87.37)</td>
<td>Gershman (1996)</td>
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<tr>
<td>Subjects: 12,926 females tested for both CT and GC&lt;br&gt;Age (years): 63.7% &lt;25&lt;br&gt;Race/ethnicity: 68.3% White, 4.1% Black, 13.4% Hispanic, 14.2% other</td>
<td>Not reported&lt;br&gt;CT, GC</td>
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<tr>
<td>Venue: Family planning clinic&lt;br&gt;Geography: Colorado</td>
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<tr>
<td>Venue: Family planning clinic&lt;br&gt;Geography: New York City, New York</td>
<td>Lifetime partners&lt;br&gt;HIV</td>
<td>High-risk sex partner**: Women: 56% HIV+ vs. 7% HIV-, p&lt;0.001&lt;br&gt;Sex with a man: Men: 100% HIV+ vs. 3% HIV-, p&lt;0.001 **Defined as an IDU, MSM or HIV-positive partner</td>
<td>Heffernan (1996)</td>
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<tr>
<td>Subjects: 220 females and 236 males&lt;br&gt;Age (years): 13-19&lt;br&gt;Race/ethnicity: 59% African-American; 38% Hispanic; 2% White</td>
<td>Partner within past 2 months&lt;br&gt;CT</td>
<td>Partner with &gt;1 partner (vs. No): Yes: RR = 2.27 (1.31, 3.92); Don’t know: RR = 1.75 (1.06, 2.89)&lt;br&gt;Partner with gonorrhea (vs. No): Yes: RR = 6.33 (1.26, 31.80); Don’t know: RR = NS</td>
<td>Addiss (1993)</td>
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<tr>
<td>Venue: Family planning clinics&lt;br&gt;Geography: Wisconsin</td>
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<tr>
<td>Subjects: 2,417 male military conscripts&lt;br&gt;Age (years): 19-23&lt;br&gt;Race/ethnicity: Not reported</td>
<td>Lifetime partner&lt;br&gt;HIV</td>
<td>Ever had sex with female: OR = 13.7 (3.39, 55.7)&lt;br&gt;Ever had sex with male: OR = NS&lt;br&gt;Ever had sex with commercial sex worker: OR = 7.40 (3.90, 14.0)</td>
<td>Nelson (1993)</td>
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<tr>
<td>Venue: Military conscription lottery&lt;br&gt;Geography: 6 provinces, Northern Thailand</td>
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<tr>
<td>Subjects: 1,115 male military conscripts&lt;br&gt;Age (years): 95.2% 21&lt;br&gt;Race/ethnicity: Not reported</td>
<td>Lifetime partner&lt;br&gt;HIV</td>
<td>Sex with female prostitute: RR = 5.8 (2.1, 15.7), p&lt;0.001</td>
<td>Nopkesorn (1993)</td>
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<tr>
<td>Venue: Military conscription lottery&lt;br&gt;Geography: Thailand</td>
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<td>Subjects: 1,082 pregnant females&lt;br&gt;Age (years): 63.9% &lt;25&lt;br&gt;Race/ethnicity: 57.0% Black, 31.6% Hispanic, 5.6% White, 5.3% Haitian, 0.5% Other</td>
<td>Lifetime partner&lt;br&gt;HIV</td>
<td>HIV-infected sexual partner (HIV prevalence): 94.1% Yes vs. 3.5% No, p&lt;0.001&lt;br&gt;Sexual partner from pattern II country (HIV prevalence): 9.2% Yes vs. 4.7% No, p=0.056&lt;br&gt;High-risk partner: AOR = 5.6 (2.7, 11)</td>
<td>Ellerbrock (1992)</td>
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<tr>
<td>Study sample(^8)</td>
<td>“Partner” definition</td>
<td>STIs assessed(\int)</td>
<td>Findings: Partner characteristics and significance*</td>
<td>Reference†</td>
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<td>Geography: Palm Beach County, FL(^1) Timeframe: 1989-1991</td>
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<td>Johnstone (1992)(^66)</td>
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<tr>
<td>Subjects: 244 puerperal females Age (years): Mean 23.7 Race/ethnicity: Not reported Venue: Maternity ward record review Geography: Edinburgh, Scotland Timeframe: 1985-1990</td>
<td></td>
<td>HIV</td>
<td>Partner in paid employment: (\chi^2 = NS)</td>
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<tr>
<td>Subjects: 356 female sex workers Age (years): Mean 22 Race/ethnicity: Not reported Venue: Brothels Geography: Khon Kaen, Thailand(^2) Timeframe: 1985-1990</td>
<td></td>
<td>HIV</td>
<td>Sex with non-Thai Asian clients in past 3 months: OR = 0.2 (0.02, 0.88); AOR = NS Sex with Western foreign clients in past 3 months: OR and AOR = NS</td>
<td>Rehle (1992)(^67)</td>
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<tr>
<td>Subjects: 849 females Age (years): Median 22 Race/ethnicity: 64% White, 22% Black, 11% Hispanic, 2% Native American or Asian Venue: Clinics Geography: Milwaukee, WI(^1) Timeframe: 1986</td>
<td>Partner in past 3 months (≥1 partner) and partner within past 30 days (GC and urethritis)</td>
<td>CT</td>
<td>Partner with ≥1 partner (vs. No): Yes: RR = 1.9 (1.0, 3.4); Don’t know: RR = 2.1 (1.4, 3.2); AOR = 5.5 (4.0, 7.1) Partner urethritis (vs. No): Yes: RR = 2.6 (1.4, 4.7); Don’t know: RR = NS Partner with gonorrhea (vs. No): Yes: RR = 3.7 (1.7, 8.1); Don’t know: RR = 1.7 (1.1, 2.8)</td>
<td>Addiss (1990)(^68)</td>
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</table>

\(\int\) CT: Chlamydia trachomatis; GC: Neisseria gonorrhoeae; HBV: Hepatitis B Virus; HIV: Human Immunodeficiency Virus; HSV-2: Herpes Simplex Virus-2; MG: Mycoplasma genitalium; TV: Trichomonas vaginalis

\(^8\) Venue: recruitment venue; Timeframe: Recruitment timeframe; HMO: Health maintenance organization; DMV: Department of Motor Vehicles; MSM: Men who have sex with men; RCT: Randomized-controlled trial; RDS: Respondent-driven sampling; \(^1\)High-income country; \(^2\)Middle- or low-income country

\(^66\) AOR: adjusted odds ratio; NS: not significant; OR: odds ratio; PR: prevalence ratio; PRR: prevalence rate ratio; POR: prevalence odds ratio; RR: risk ratio. All parentheticals represent 95% confidence intervals.

\(^68\) Listed most to least recent and alphabetical within year.