**Additional file 4.**

**Table. Characteristics of included studies (in chronological order)**

| **First author, year, country** | **Study design****Setting** | **Study sample** | **Data collection method** | **Measure of exposure** | **DVA prevalence** | **Measure of outcome** | **EC use prevalence** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Fantasia 2012 [15], northeastern USA | Cross sectionalFour reproductive health clinics | N=2000Age: Mean 21.9 years (SD 6.5)Race/Ethnicity: White n=1297; 64.9%, Asian 45; 2.3% Black n=114; 5.7%American Indian/ Alaskan Native 12; 0.6%Don’t know/ refused 462; 23.1%Other 49; 2.5%Multiracial 21; 1%EthnicityNon-Hispanic/Latino 1261; 63.1% Hispanic/Latino 599; 30%Arabic 2; 0.1%Not reported 138; 6.9%Relationship status:Single n=1753; 87.7% Married 108; 5.4%Engaged 43; 2.2% Separated/ widowed/divorced 52; 2.1%Not completed 44; 2.7% | 2006-2011Data abstracted from medical records; retrospective | Physical/psychological/sexual DVA in the:1) past year,2) past year and up to past 5 years,3) past year and over more than 5 years,4) not in the past year but there is a history before thatSelf-developed | N=569; 28.5%1) Past year 118; 5.9%2) Past year and up to past 5 years 55; 2.8%3) Past year and over more than 5 years 30; 1.5%4) Not in the past year but there is a history before that 366; 18.3% | Use of EC in the past year | Not reported |
| Gee 2013 [25], USA, Pennsylvania | Cross-sectionalSurgicalabortion clinic and general gynecologicclinic | N=1354Age:18-24 years n=132; 45.4%25-34 years n=136; 46.7%35-44 years n=22; 7.6%45-54 years n=1; 0.3%Ethnicity: Black n=331 (24%)White n= 834 (60%) Other n=222 (16%) | 2007Self-administered paper questionnaire; retrospective | Lifetime physical/psychological/sexual DVADVA module from the CDC’s Behavioural Risk Factor Surveillance System (BRFSS) [39]  | n=291; 21.0%Husband: exposed to DVA n=16;5.5%Not exposed to DVA n=85; 7.8%Boyfriend: exposed to DVA n=44; 15.1% Not exposed to DVA n=208; 19.0% | Lifetime use of EC | n = 404; 37% |
| Laanpere 2013 [24], Estonia | National cross-sectionalHouseholds | N=1966Age:16-24 years n=75525-34 years n=58535-44 years n=626Ethnicity: Estonian n=1391Non-Estonian n=570Unknown n=5Relationship status:Married: 1280; 65%Divorced/separated 189; 9.6%Single 493; 25% | 2004-2005Self-administered postal questionnaire; retrospective | Physical/sexual DVA in the past yearSelf-developed | n=362; 18.4%16-24 years n=155; 20.5%25-25 n=112; 20.9%35-44 n=26.2; 15.2%Physical DVA 17.2%Sexual DVA 4.1%Both physical and sexual 1.8% | Use of hormonal EC after the most recent sexual intercourse | n=21; 1.2% |
| Rocca 2013 [26], India, Bangalore | Prospective year-long cohort with intervention on the outcome (advance supply of EC)Two government health centers and low-income communities | N=322Analysed N =263Age: Mean 22.9 SD=2.3 Range 18-25 years Ethnicity: all IndianReligion:Hindu 164;50.9% Christian 115;35.7%Muslim 43;13.4%Marrital status: Married n=322; 100% Arranged marriage: 222; 68.9%Love marriage: 100; 31.1% | 1 year (during a 2-year study in2005-2008)Face to face interviews; retrospective | Physical DVA in the past six monthsSelf-developed | n=88;27.3% | Use of EC, frequency, and timing in the past year | n=37; 14.1% |
| Salazar 2014 [23], Nicaragua | National cross-sectionalHouseholds | N=8284Age: Mean 28.3 (SD=11.3 SE=0.13) Range = 15-49 | 2006-2007Face to face interviews; retrospective | Lifetime emotional, physical, sexual DVA and controllingbehaviorMeasure from the WHO Multi-country study[3] | Physical DVA: 23.4% (95% CI 22.3-24.6)Emotional DVA: 43.9% (95% CI 42.4 - 45.5 Sexual DVA: 11.0% (95% 10.1– 11.9%)Controlling behaviour by partner: 54.0% (95% CI 52.3-55.6)  | Lifetime use of hormonal EC | n=383; 6% |
| Kazmerski 2015 [22],USA, Northern California | Cross sectionalFive family planning clinics | N=1262Age: 21.7 mean (SD 3.47) Range 16-29 yearsEthnicity: Asian68; 5.4%Black or African American 352; 27.9%Hispanic 378; 30.0%Native Hawaiian/Pacific Islander/American Indian/Alaskan Native 72; 5.7%White 285; 22.6%Multiracial/ other 105; 8.5%Relationship status:Single: 370; 29.3%Dating more than 1 person: 49; 3.9%In a serious relationship:730; 57.8%Married: 113; 9% | 2008-2009Self-administered audio computer assisted survey; retrospective | Physical/sexual DVA and/or RC in the past three monthsSelf-developed from:Modified Conflicts tactics scale-2 (CTS-2)[40]Sexual experiences survey[41]RC questions by Miller et al [42] | DVA only = 16.3% (95% CI 11.4–21.2, n= 206)No DVA 83.7% (95% CI 78.8-88.6, n = 1056)RC only = 13.5% (95% CI 10.6-16.4, n= 170)DVA and RC =4.4% | Frequency of use of EC in the past three months (once/>once) | Not reported |

Note. DVA domestic violence and abuse. RC Reproductive coercion. EC emergency contraception.