**Combined Supporting Information**

**Table S1. Summary statistics** 

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Total sex acts | |  | Unprotected sex acts | |  | Protected sex acts | |
|  | Males | Females |  | Males | Females |  | Males | Females |
| Number of observations | 4818 | 6302 |  | 4807 | 6286 |  | 4813 | 6297 |
| Mean | 4.4 | 4.5 |  | 3.8 | 4.2 |  | 0.61 | 0.33 |
| CI95 | 4.2, 4.5 | 4.4, 4.6 |  | 3.6, 3.9 | 4.0, 4.3 |  | 0.53, 0.69 | 0.29, 0.36 |
| Median | 3 | 3 |  | 2 | 3 |  | 0 | 0 |
| SD | 5.6 | 4.9 |  | 5.3 | 4.9 |  | 2.7 | 1.5 |
| Kurtosis | 67 | 21 |  | 42 | 21 |  | 783 | 119 |
| Skewness | 5.4 | 2.9 |  | 4.1 | 2.9 |  | 23 | 8.8 |

NOTE. CI95, 95% confidence interval, SD, standard deviation.

All statistics refer to the number of relevant sex acts within a partnership within the previous two weeks. Mean unprotected and protected sex acts should sum to the mean total but there are differing levels of missing data.

**Table S2. Fitting distributions to data**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Distribution *(data)* |  | Total sex acts | | |  | Unprotected sex acts | | |  | Protected sex acts | | |
|  |  |  | logLik | AIC | Parameters |  | logLik | AIC | Parameters |  | logLik | AIC | Parameters |
| Males | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Negative binomial  *(sex acts)* |  | -12000 | 25000 | size = 1.2,  mu = 4.4 |  | -12000 | 23000 | size = 0.69,  mu = 3.8 |  | -4200 | 8400 | size = 0.13,  mu = 0.61 |
|  | Poisson  *(sex acts)* |  | -18000 | 36000 | lambda = 4.4 |  | -18000 | 37000 | lambda = 3.8 |  | -7500 | 15000 | lambda = 0.61 |
|  | Normal  *(ln (sex acts + 1))* |  | -6100 | 12000 | mean = 1.3,  sd = 0.81 |  | -6400 | 13000 | mean = 1.1,  sd = 0.91 |  | -4400 | 8900 | mean = 0.29,  sd = 0.58 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Females | |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Negative binomial  *(sex acts)* |  | -16000 | 33000 | size = 1.2,  mu = 4.5 |  | -16000 | 32000 | size = 0.96,  mu = 4.2 |  | -3300 | 6500 | size = 0.051,  mu = 0.33 |
|  | Poisson  *(sex acts)* |  | -22000 | 45000 | lambda = 4.5 |  | -23000 | 46000 | lambda = 4.2 |  | -6400 | 13000 | lambda = 0.33 |
|  | Normal  *(ln (sex acts + 1))* |  | -7800 | 16000 | mean = 1.4,  sd = 0.82 |  | -8100 | 16000 | mean = 1.3,  sd = 0.87 |  | -4100 | 8200 | mean = 0.15,  sd = 0.46 |

NOTE. logLik, log-likelihood, AIC, Akaike Information Criterion. All results are accurate to two significant figures.

**Table S3**

1. **Female partner age reported by male respondent**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Age group of female partner (years) | | | | |  |  |  |  |  |  |
| Age group of male respondent (years) | <15 | 15-16 | 17-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55+ |
| 15-16 | 5 | 15 | 7 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| 17-19 | 15 | 136 | 148 | 25 | 2 | 2 | 2 | 0 | 0 | 1 | 0 |
| 20-24 | 10 | 103 | 472 | 344 | 42 | 8 | 3 | 1 | 0 | 1 | 3 |
| 25-29 | 1 | 26 | 207 | 563 | 241 | 18 | 9 | 0 | 1 | 3 | 3 |
| 30-34 | 1 | 5 | 57 | 273 | 324 | 127 | 25 | 3 | 1 | 0 | 0 |
| 35-39 | 2 | 3 | 12 | 94 | 188 | 186 | 97 | 7 | 2 | 0 | 1 |
| 40-44 | 0 | 1 | 6 | 28 | 74 | 102 | 164 | 61 | 3 | 2 | 2 |
| 45-49 | 0 | 1 | 4 | 20 | 35 | 49 | 86 | 98 | 46 | 1 | 2 |
| 50+ | 0 | 1 | 3 | 10 | 17 | 19 | 35 | 53 | 82 | 19 | 3 |

1. **Male partner age reported by female respondent**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Age group of male partner (years) | | | | |  |  |  |  |  |  |
| Age group of female respondent (years) | <15 | 15-16 | 17-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 | 45-49 | 50-54 | 55+ |
| 15-16 | 0 | 4 | 15 | 46 | 17 | 3 | 5 | 2 | 1 | 2 | 0 |
| 17-19 | 0 | 0 | 14 | 188 | 170 | 39 | 13 | 9 | 6 | 2 | 1 |
| 20-24 | 3 | 0 | 3 | 232 | 552 | 279 | 94 | 17 | 25 | 8 | 9 |
| 25-29 | 2 | 0 | 0 | 26 | 236 | 514 | 290 | 71 | 43 | 19 | 31 |
| 30-34 | 1 | 1 | 3 | 12 | 38 | 194 | 362 | 186 | 89 | 39 | 43 |
| 35-39 | 0 | 1 | 2 | 3 | 13 | 31 | 137 | 300 | 151 | 73 | 80 |
| 40-44 | 1 | 0 | 3 | 3 | 4 | 15 | 15 | 116 | 221 | 162 | 162 |
| 45-49 | 3 | 2 | 3 | 0 | 2 | 2 | 11 | 9 | 86 | 159 | 186 |
| 50+ | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 3 | 27 | 149 |