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| **Supplementary table 1.** Characteristics of the study population. | | | | | |
|  | Total  n=2,396 | 30-39  n= 1,118 | 40-49  n= 825 | 50-59  n= 374 | 60-64  n= 79 |
|  | % (CI 95%) | | | | |
| **Age (years) mean** | 41.6 (41.3-42.0) | 34.5 (34.3-34.7) | 43.9 (43.7-44.1) | 53.7 (53.4-54.0) | 61.7 (61.3-62.0) |
| **Marital status** |  |  |  |  |  |
| Single | 8.3 (7.3-9.5) | 8.5 (7.0-10.3) | 8.0 (6.0-10.1) | 8.8 (6.3-12.2) | 6.3 (2.6-14.6) |
| Married/ civil union | 85.6 (84.1-86.9) | 86.9 (84.7-88.7) | 87.3 (84.8-89.4) | 80.2 (75.8-84.0) | 74.7 (63.7-83.2) |
| Divorced/ separated/ widowed | 5.6 (4.7-6.6) | 4.0 (3.0-5.3) | 4.2 (3.1-5.9) | 10.7 (7.9-14.3) | 17.7 (10.7-28.0) |
| No response | 0.5 (0.3-0.9) | 0.6 (0.3-1.0) | 0.5 (0.2-1.3) | 0.3 (0.1-1.9) | 1.3 (0.2-8.8) |
| **Age of sexual debut** |  |  |  |  |  |
| 18 or before | 35.5 (33.6-37.4) | 34.4 (31.7-37.3) | 34.8 (31.6-38.1) | 40.1 (35.2-45.2) | 35.4 (25.5-46.8) |
| **Number of lifetime sexual partners** |  |  |  |  |  |
| 1 | 70.0 (68.1-71.8) | 68.4 (65.5-71.0) | 71.5 (68.3-74.5) | 70.6 (65.7-75.0) | 74.7 (63.7-83.2) |
| 2-3 | 25.8 (24.1-27.6) | 26.7 (24.2-29.4) | 24.5 (21.7-27.5) | 26.5 (22.2-31.2) | 22.8 (14.7-33.6) |
| 4+ | 4.2 (3.5-5.1) | 4.9 (3.6-5.2) | 4.0 (2.9-5.6) | 2.9 (1.6-5.2) | 2.5 (0.6-9.8) |
| **Parity** |  |  |  |  |  |
| 0 | 3.3 (2.7-4.1) | 3.2 (2.3-4.4) | 4.1 (3.0-5.7) | 1.6 (0.7-3.5) | 5.1 (1.9-13.0) |
| 1-3 | 52.1 (50.1-54.1) | 65.2 (62.4-67.9) | 47.6 (44.2-51.1) | 28.6 (24.2-33.4) | 24.0 (15.7-34.9) |
| 4+ | 44.6 (42.6-46.7) | 31.6 (28.9-34.4) | 48.2 (44.8-51.7) | 69.8 (64.9-74.2) | 70.9 (59.7-80.0) |
| **Miscarriage** |  |  |  |  |  |
| 0 | 76.0 (74.2-77.6) | 78.2 (75.6-80.5) | 74.5 (71.4-77.4) | 72.5 (67.7-76.8) | 76.0 (65.1-84.3) |
| 1-3 | 23.5 (21.8-25.2) | 21.5 (19.1-24.0) | 25.1 (22.2-28.2) | 26.2 (22.0-30.9) | 21.5 (13.7-32.2) |
| 4+ | 0.5 (0.3-1.0) | 0.3 (0.1-0.9) | 0.4 (0.1-1.1) | 1.3 (0.6-3.2) | 2.5 (0.6-9.8) |
| **Use of contraceptives** |  |  |  |  |  |
| Current IUD use | 28.0 (26.2-29.8) | 30.4 (27.8-33.2) | 28.4 (25.4-31.5) | 21.0 (17.0-25.3) | 22.8 (14.7-33.6) |
| Condom use in the last 12 months | 14.4 (13.0-15.9) | 19.2 (16.9-21.6) | 12.5 (10.4-15.0) | 6.0 (3.9-8.9) | 6.5 (2.7-14.9) |
| Hormonal contraceptives use | 17.5 (16.0-19.1) | 16.6 (14.6-18.9) | 17.1 (14.7-19.8) | 19.8 (16.0-24.2) | 22.8 (14.7-33.6) |
| **Tabaco use** |  |  |  |  |  |
| Current smoker | 2.1 (1.6-2.8) | 2.7 (1.9-3.9) | 1.5 (0.8-2.6) | 2.0 (0.9-3.9) | 1.3 (0.2-8.8) |
| Past smoker | 1.3 (0.9-1.8) | 1.5 (1.0-2.5) | 1.0 (0.5-1.9) | 1.1 (0.4-2.8) | 1.3 (0.2-8.8) |
| **History of a previous STI** |  |  |  |  |  |
| Yes | 3.3 (2.6-4.1) | 3.4 (2.5-9.7) | 2.9 (2.0-4.3) | 3.5 (2.1-6.0) | 3.8 (1.2-11.4) |
| CI confidence interval | | | | | |

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| **Supplementary table 1.** Associated factors of C. Trachomatis infection status by age group | | | | |
|  | **Age groups** | | | |
|  | 30-39 | 40-49 | 50-59 | 60-64 |
|  | OR (95% CI) | | | |
| **Crude model** | 1.0 | 0.83 (0.51, 1.34) | 0.33 (0.13, 0.84) | 0.31 (0.04, 2.30) |
| **Adjusted model** | 1.0 | 0.81 (0.50, 1.32) | 0.25 (0.09, 0.72) | 0.31 (0.04, 2.26) |
| CI confidence interval  Adjusted model for number of lifetime sexual partners (1, 2-3, 4 or more), miscarriage (0, 1-3, 4 or more), use of contraceptives (IUD and condom), history of a previous STIs. | | | | |