

Supplementary Table 1. Characteristics of the study population (N=560), FemCure

| Characteristics at diagnosis                  | Total      | By study site       |                          |                 |
|---|------------|---------------------|--------------------------|-----------------|
|   | n (%)      | South Limburg n (%) | Rotterdam-Rijnmond n (%) | Amsterdam n (%) |
| <b>CT diagnosis group</b>                     |            |                     |                          |                 |
| (A) vCT & rCT                                 | 155 (27.7) | 143 (71.9)          | 122 (74.4)               | 86 (43.7)       |
| (B) vCT (rCT not tested)                      | 351 (62.7) | 35 (17.6)           | 31 (18.9)                | 89 (45.2)       |
| (C) vCT (rCT negative)                        | 25 (4.5)   | 10 (5.0)            | 7 (4.3)                  | 8 (4.1)         |
| (D) rCT (vCT negative)                        | 29 (5.2)   | 11 (5.5)            | 4 (2.4)                  | 14 (7.1)        |
| <b>Years of age</b>                           |            |                     |                          |                 |
| 18-20   | 162 (28.9) | 65 (32.7)           | 55 (33.5)                | 42 (21.3)       |
| 21-23   | 204 (36.4) | 72 (36.2)           | 56 (34.1)                | 76 (38.6)       |
| ≥24   | 194 (34.6) | 62 (31.2)           | 53 (32.3)                | 79 (40.1)       |
| <b>Days since initial CT test (diagnosis)</b> |            |                     |                          |                 |
| 1-7   | 207 (37.0) | 81 (40.7)           | 79 (48.2)                | 47 (23.9)       |
| 8-11  | 205 (36.6) | 73 (36.7)           | 60 (36.6)                | 72 (36.5)       |
| ≥12   | 148 (26.4) | 45 (22.6)           | 25 (15.2)                | 78 (39.6)       |
| <b>History of CT</b>                          |            |                     |                          |                 |
| Yes   | 165 (29.5) | 36 (18.1)           | 58 (35.4)                | 71 (36.0)       |
| No  | 388 (69.3) | 159 (79.9)          | 104 (63.4)               | 125 (63.5)      |
| Unknown                                       | 7 (1.3)    | 4 (2.0)             | 2 (1.2)                  | 1 (0.5)         |
| <b>Background</b>                             |            |                     |                          |                 |

|                                   |            |            |            |            |
|-----------------------------------|------------|------------|------------|------------|
| Western                           | 517 (92.3) | 196 (98.5) | 143 (87.2) | 178 (90.4) |
| Non-western &                     | 43 (7.7)   | 3 (1.5)    | 21 (12.8)  | 19 (9.6)   |
| Education                         |            |            |            |            |
| Low                               | 203 (36.3) | 88 (44.2)  | 75 (45.7)  | 40 (20.3)  |
| Middle                            | 207 (37.0) | 78 (39.2)  | 57 (34.8)  | 72 (36.5)  |
| High                              | 149 (26.6) | 32 (16.1)  | 32 (19.5)  | 85 (43.1)  |
| Unknown                           | 1 (0.2)    | 1 (0.5)    | 0 (0)      | 0 (0)      |
| No. of sex partners last 3 months |            |            |            |            |
| 0 or 1                            | 195 (34.8) | 84 (42.2)  | 48 (29.3)  | 63 (32.0)  |
| 2 or 3                            | 269 (48.0) | 89 (44.7)  | 84 (51.2)  | 96 (48.7)  |
| ≥ 4                               | 96 (17.1)  | 26 (13.1)  | 32 (19.5)  | 38 (19.3)  |
| Study site (STI clinic)           |            |            |            |            |
| South Limburg                     | 199 (35.5) | 199 (100)  | 0 (0)      | 0 (0)      |
| Rotterdam-Rijnmond                | 164 (29.3) | 0 (0)      | 164 (100)  | 0 (0)      |
| Amsterdam                         | 197 (35.2) | 0 (0)      | 0 (0)      | 197 (100)  |

rCT: rectal *Chlamydia trachomatis*, vCT: vaginal *Chlamydia trachomatis*