

Appendix S2.

## SUPPLEMENTARY MATERIAL AND METHODS

### Procedure for testing

Individuals ordering the chlamydia/gonorrhea self-sampling test provided name, personal identity number and address on the website. The test was sent to the given address and included a kit with sampling of first-portion urine for men and a vaginal self-sampling test for women and a prepaid envelope for return. All tests were managed by the Department of Clinical Microbiology at Uppsala University Hospital in Uppsala, Sweden. Individual test results were provided on eHealth website www.1177.se in personal records. Reminders were sent to individuals who had ordered, but not returned, the test within 42 days.

Persons with detected CT are asked to visit a public healthcare clinic for free treatment and mandatory partner notification, as CT is covered by the provisions of the Swedish Communicable Diseases Act.

### Suggestions for improvement of the internet-based self-sampling service

*Include tests for other STIs.* Of the participants, 57/330 (17.2%) expressed a wish for the test also to include other STIs, especially mycoplasma, herpes and condyloma/human papillomavirus. Another suggestion was to include oral and rectal self-sampling in addition to urine sampling, especially for men who have sex with men.

*"Would be perfect if the test also included mycoplasma. It has become more common and I know a lot of people who would want to take such a test with home sampling!"*

*Time perspective – should be handled faster.* Some participants, 31/330 (9.3 %), expressed a wish for faster handling, as regards both the test kit being sent and the return of the test result. The waiting time caused some anxiety, and they wanted more clarity about how long it would take for the kit to arrive and also confirmation that the test-kit order had been received.

*"If you could receive the test kit faster you would be less worried that the order had not gone through. If you are infected you want a quick reply."*

*Clearer information.* Another suggestion for improvement, made by 25/330 (7.6%), concerned greater clarity in the information provided: a clearer description of how to take the sample, whether it could be taken during menstruation, where to find the test result, and instructions for each of the parts of the test kit. Some suggested including an extra sampling swab and a disposable cup for collecting the urine in the kit.

*"I found the instructions good, but as a girl it is difficult to know if you should also take a urine sample or just the vaginal swab."*

*Should be better promoted and marketed .* A few, 9/330 (2.7%), commented that the service should be better promoted and marketed, which could lead to more people taking an STI test.

*"Continue to have it free of charge and advertise how easy it is to use, so maybe more people would do it."*