

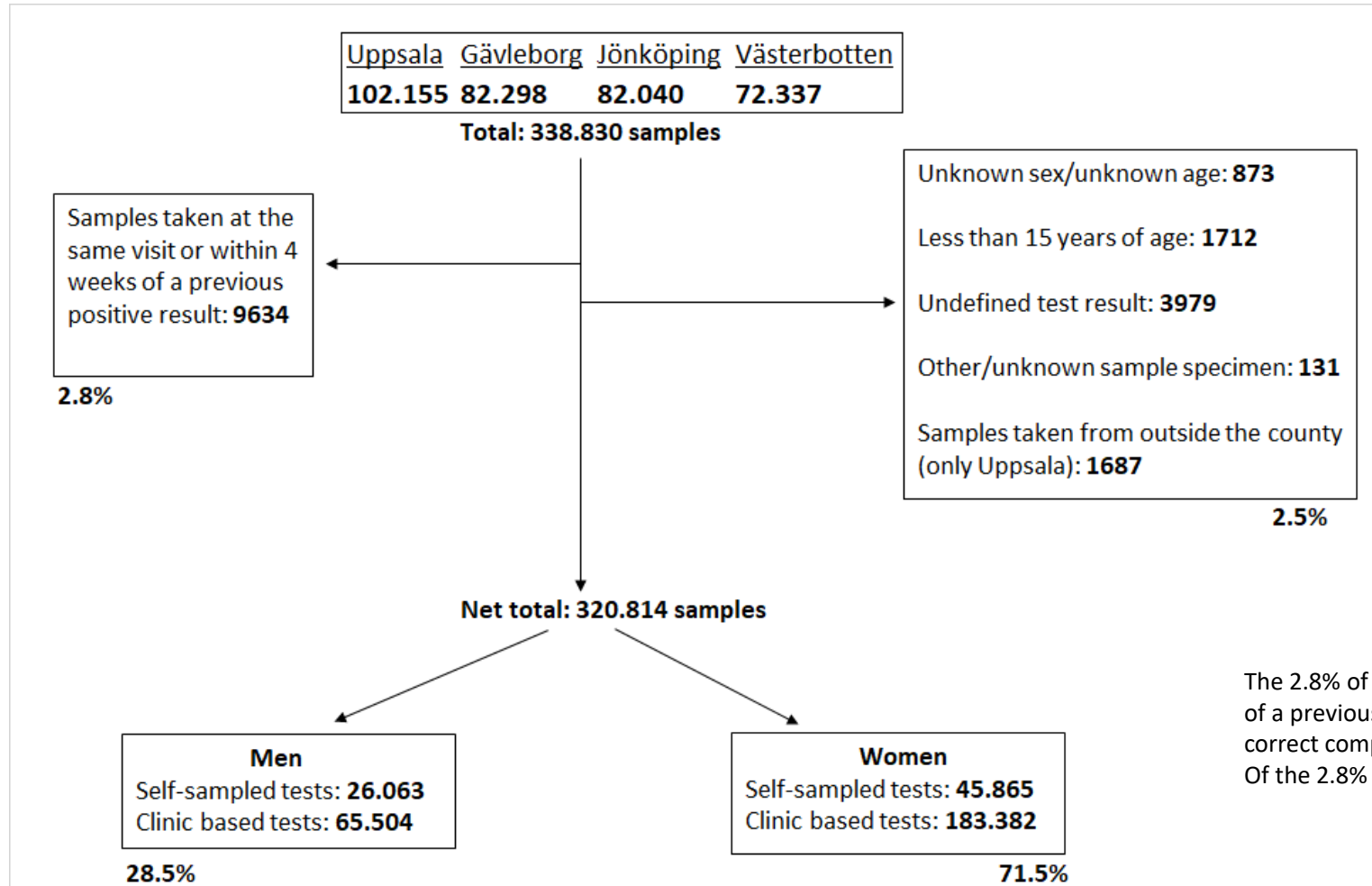
Supplementary information:
Internet-based self-sampling for *Chlamydia trachomatis* testing: a national evaluation in Sweden; Söderqvist et al.

Supplementary table 1

Requested information about *C. trachomatis* testing for the years 2011 – 2017 in all clinical microbiology laboratories in 18 of 21 counties in Sweden. Data from 2011 – 2012 was excluded due to low quality. This was because of recent implementation of internet based self-sampling in some counties as well as unaccessible data due to changes in local laboratory information systems.

2015							
Amount of analyzed samples from internet based self-sampling							
	Men			Women			Total men and women
	Pos	Neg	Total men	Pos	Neg	Total women	
Age							
15-19			0			0	0
20-24			0			0	0
25-29			0			0	0
30-34			0			0	0
35-44			0			0	0
>44			0			0	0
Total:	0		0	0		0	0
Amount of analyzed samples from clinic based sampling							
	Men			Women			Total men and women
	Pos	Neg	Total men	Pos	Neg	Total women	
Age							
15-19			0			0	0
20-24			0			0	0
25-29			0			0	0
30-34			0			0	0
35-44			0			0	0
>44			0			0	0
Total:	0		0	0		0	0
Number of self-sample kits delivered							
Men:							
Women:							
Age:							
15-19:							
20-24:							
25-29:							
30-34:							
35-44:							
>44:							

Supplementary fig 1
 Extended analysis of individual based data from four counties in 2013-2017



The 2.8% of samples taken at the same visit or within 4 weeks of a previous positive test result were excluded to enable a correct comparison between clinic based and self-sampling. Of the 2.8% only 0.3% were from self-sampling.

Supplementary table 2. Distribution of self-collected and clinic based CT-tests in 14 counties 2013 - 2017

	Uppsala	Gävleborg	Jönköping	Väster- botten	Söder- manland	Dalarna ^a	Blekinge/ Kronoberg	Kalmar	Skåne	Stockholm ^b	Väst- manland	Västra Götaland ^c	Örebro	Total	Range
No. self-collected samples	18462	17868	16914	19177	13848	9094	17287	10686	69919	100528	8875	84091	17186	403935	
No. clinic based samples	82916	63623	57278	52194	81815	68687	53110	46201	414468	798186	42382	418504	72539	2251903	
Total no. of samples per 1000 inhabit aged 15-44 years	685	838	567	693	950	807	548	695	941	946	528	773	809	828	528-950
Men/women (%)															
self-collected	35/65	36/64	39/61	35/65	37/63	36/64	37/63	31/69	36/64	35/65	37/63	37/63	32/68	36/64	31-39
clinic based	31/69	24/76	25/75	29/71	23/77	26/74	27/73	25/75	25/75	36/64	30/70	27/73	27/73	30/70	23-36
Proportion 15-29 years of all tested (%)															
self-collected	76.1	74.8	78.5	78.5	73.1	70.3	78.4	82.0	72.5	67.8	68.0	75.9	77.6	73.4	67.8-82.0
clinic based	74.6	73.3	72.4	76.4	ND	71.7	76.7	75.1	66.2	ND	68.4	ND	69.6	70.1	66.2-76.7
Men CT-positive (%)															
self-collected	7.1	8.2	10.1	6.9	10.7	8.5	7.8	8.9	6.5	7.5	10.3	8.4	7.4	7.9	6.5-10.7
clinic based	8.8	11.7	11.5	9.6	10.9	9.4	10.6	10.8	7.5	6.8	12.9	9.8	9.3	8.3	6.8-12.9
Women CT-positive (%)															
self-collected	4.8	4.9	6.1	4.4	7.4	5.4	5.6	5.5	4.2	4.5	8.4	5.3	4.8	5.0	4.2-8.4
clinic based	5.6	5.2	5.2	5.5	4.9	4.5	5.5	4.8	3.6	4.7	7.5	4.9	4.9	4.7	3.6-7.5

^a Missing data on clinic based tests for 2013, approximately 500 samples (0.7% of clinic based tests).

^b Missing data on clinic based tests from one laboratory accounting for 124,841 test (13.5% of clinic-based tests).

^c Missing data on clinic based tests from one laboratory accounting for 72,484 test (1.5% of clinic-based tests).

ND: Not determined due to missing data on age.

Counties in blue were included in extended analysis of individual testing patterns.

Supplementary table 3 Analysis of self-sampling at home and clinic based CT-testing in 14 counties between 2013 and 2017

		Self-sampled tests				Clinic based tests				All tests			
		No. of tests	Per cent ^a	No. of positive tests	Per cent positive ^b	No. of tests	Per cent ^a	No. of positive tests	Per cent positive ^b	No. of tests	Per cent ^a	No. of positive tests	Per cent positive ^b
Gender													
Men	mean	11148	35.7	879	7.9	51571	27.3	4280	8.3	62719	28.9	5158	8.2
	range	3244-35213	31.0-38.8	277-2651	6.5-10.7	11627-288674	23.5-36.2	1251-19586	6.8-12.9	14935-323887	25.5-36.0	1545-22237	6.9-12.3
Women	mean	19924	64.3	996	5.0	121652	72.7	5712	4.7	141577	71.1	6708	4.7
	range	5631-65315	61.2-69.0	316-2917	4.2-8.4	29769-509512	63.8-76.5	1664-24106	3.6-7.5	35400-574827	64.0-74.5	2072-27023	3.7-7.6
Total	mean	31072		1875	6.0	173223		9991	5.8	204295		11866	5.8
	range	8875-100528		593-5568	5.0-9.1	42382-798186		2915-43692	4.6-9.1	51257-898714		3617-49260	4.6-9.1
Age group													
15-19	mean	1418	5.5	140	9.8	18138	20.8	1424	7.8	19123	17.8	1511	7.9
	range	250-5153	1.9-11.4	29-555	7.4-13.3	6830-67054	16.1-24.7	729-4664	7.0-11.4	7080-68998	13.8-22.5	807-4837	7.0-11.5
20-24	mean	11358	39.5	824	7.3	30120	33.2	2323	7.7	38401	34.7	2893	7.6
	range	2836-31743	27.4-47.9	260-2488	5.9-11.6	13876-120528	29.1-37.8	1295-7800	6.5-12.0	16712-146512	30.2-39.3	1673-9326	6.4-11.9
25-29	mean	546	29.8	546	5.4	18574	18.5	921	5.1	24762	20.6	1255	5.2
	range	147-1937	25.1-38.0	147-1937	4.3-8.4	7503-86709	16.2-22.5	405-3281	3.8-8.9	10212-109505	18.0-24.6	552-4356	4.0-8.7
≥30	mean	8254	25.1	365	4.4	28508	27.6	824	3.2	33601	26.9	1048	3.4
	range	1925-32397	18.0-32.2	95-1373	3.5-7.1	11505-140177	23.3-33.8	339-3223	2.3-5.0	13430-159372	22.9-32.9	434-3977	2.5-5.4
All ages	mean	31072		1875	6.0	173223		9991	5.8	204295		11866	5.8
	range	8875-100528		593-5568	5.0-9.1	42382-798186		2915-43692	4.6-9.1	51257-898714		3617-49260	4.6-9.1

^a mean: based on 14 values from the counties; ^b mean: value from total mean of data from 14 counties