

Supplementary material

Table S1. Risk factors for pelvic inflammatory disease and tubal factor infertility among chlamydia-positive women.

	Pelvic inflammatory disease (n=62)				Tubal factor infertility (n=18)			
	Cases/Person-years	Crude HR (95% CI)	Adjusted HR (95% CI)	p value	Cases/Person-years	Crude HR (95% CI)	Adjusted HR (95% CI)	p value
Gonorrhoea								
Negative	60/13,776	1			16/14,122	1		
Positive	2/544	0.88 (0.21-3.67)			2/577	3.10 (0.71-13.55)		
Chlamydia symptoms								
Never	21/8107	1	1		8/8232	1		
At least once	41/6204	2.89 (1.65-5.03)	2.88 (1.65-5.02)	0.0002	10/6458	1.71 (0.67-34.36)		
Number of chlamydia infections								
1	43/10,175	1			15/10,447	1		
2	13/1872	1.57 (0.76-3.24)			3/1936	0.40 (0.05-3.03)		
3 or more	6/318	1.91 (0.46-8.02)						
Age first chlamydia infection								
<20	16/3590	1			7/3702	1		
20-24	23/5663	0.72 (0.38-1.38)			6/5793	0.46 (0.16-1.36)		0.1609
>24	15/3150	0.48 (0.24-0.98)			3/3259	0.23 (0.06-0.89)		0.0331

Unnoticed infection (only CT IgG-positive)

No	55/12,495	1	16/12,846	1
Yes	7/1810	0.88 (0.33-2.32)	2/1833	0.89 (0.18-4.41)

Chlamydia IgG

Negative	15/4339	1	4/4470	1
Positive	22/4955	1.32 (0.67-2.60)	4/5045	0.90 (0.22-3.67)
Unknown	25/5000	1.46 (0.76-2.78)	10/5153	2.26 (0.71-7.20)

Chlamydia IgG concentration

<28 AU/ml	15/4474	1	4/4605	1
28-99 AU/ml	17/3681	1.36 (0.66-2.80)	2/3752	0.56 (0.09-3.44)
>99 AU/ml	5/1207	1.28 (0.45-3.70)	2/1228	1.82 (0.33-9.95)

Migration background

Western	44/9839	1	12/10,108	1
Non-western	18/3658	1.20 (0.67-2.14)	6/3748	0.98 (0.32-3.05)

Educational level*

Low/middle	25/4380	1	8/4524	1
High	37/9910	0.63 (0.38-1.07)	10/10,141	0.55 (0.21-1.39)

Age sexual debut

<16	28/5019	1	9/5229	1
16-17	22/5458	0.76 (0.42-1.37)	4/5592	0.46 (0.14-1.54)
>17	12/ 3760	0.73 (0.36-1.47)	5/3798	1.04 (0.34-3.13)

Lifetime sex partners

<6	11/2504	1		5/2569	1
		0.66			0.37
6-12	18/5109	(0.31-1.43)		4/5216	(0.10-1.37)
		0.94			0.57
>12	33/6600	(0.47-1.88)		9/6806	(0.19-1.73)

Condom use casual partner

Never/sometimes	27/6595	1		9/6796	1
mostly/no casual partner	35/7687	1.21		9/7858	0.90
		(0.72-2.03)			(0.36-2.28)

Insertion of IUD

No	55/13,684	1	1	17/14,046	1
		2.53	2.50		1.13
Yes	7/636	(1.13-5.68)	(1.12-5.62)	1/652	0.0261 (0.15-8.54)

Smoking

No	33/8706	1		13/8864	1
		1.30			0.58
Yes	29/5597	(0.78-2.17)		5/5815	(0.20-1.62)

HR = Hazard Ratio. Person-years are an approximation based on estimates from multiple imputation data.
 *Educational level: Low/medium level of education: no education, primary education only, lower general secondary education and vocational education; high level of education: all other education levels. IUD = Intrauterine Device.
 IgG = Immunoglobulin G. HR = Hazard Ratio. CI = Confidence Interval.