

Supplementary Materials for

Estimated burden of *Chlamydia trachomatis* female infection and consequent severe pelvic inflammatory disease, Italy, 2005-2016

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Supplementary Material 1.

Sets of ICD-9CM codes utilised for selecting hospitalised women diagnosed with *Chlamydia trachomatis* (Ct) (A) or pelvic inflammatory disease (PID) (B) notified in the National Hospitalisation System (NHIS), Italy 2005-2016.

Supplementary Material 2.

Demographic and clinical characteristics of hospitalised women diagnosed with pelvic inflammatory disease (PID) with or without *Chlamydia trachomatis* (Ct) infection notified in the National Hospitalisation System (NHIS), Italy 2005-2016.

Supplemental 1. Sets of International Classification of Diseases, 9th revision, Clinical Modification (ICD-9CM) codes utilised for selecting hospitalised women diagnosed with *Chlamydia trachomatis* (Ct) (A) or pelvic inflammatory disease (PID) (B) notified in the National Hospitalisation System (NHIS), Italy 2005-2016.

A.

ICD-9 codes for Ct	Disease description
077.98	Unspec diseases of conjunctiva due to Chlamydiae
078.88	Other spec diseases due to Chlamydiae
079.88	Other spec chlamydial infection
079.98	Unspec chlamydial infection
099.41	Other ngu due to <i>Chlamydia trachomatis</i>
099.50-099.56	Other venereal diseases due to <i>Chlamydia trachomatis</i> (unspec site, pharynx, anus and rectum, lower-other-unspec gu site, peritoneum)
099.59	Other venereal diseases due to <i>Chlamydia trachomatis</i> (spec site)

B.

ICD-9 codes for PID	Disease description
614, 614.0-614.2	Inflammatory disease of ovary, fallopian tube, pelvic cellular tissue, and peritoneum
614.3-614.5, 614.7	Parametritis and pelvic cellulitis/peritonitis
614.8, 614.9	Other spec-unspec inflam dis of female pelvic organs and tissues
615, 615.0-615.9	Inflammatory diseases of uterus, except cervix
616.0	Cervicitis and endocervicitis
616.9	Unspec inflammatory disease of cervix, vagina, and vulva
016, 016.6	Tuberculous of genitourinary system, oophoritis and salpingitis
098.0, 098.10	Gonococcal infections, lower-upper genitourinary tract, site unspec
098.15-098.17, 098.35-098.37	Gonococcal cervicitis-endometritis-salpingitis
098.19, 098.2	Other gonococcal infections, upper-lower genitourinary tract
098.30, 098.39	Gonococcal infection of upper genitourinary tract, unspec site-other
098.86	Gonococcal peritonitis
099.56	Other venereal diseases due to <i>Chlamydia trachomatis</i> , peritoneum
629.89	Other spec disorders of female genital organs

Abbreviations: unspec: non-specified; spec: specified; ngu: nongonococcal urethritis; gu: genitourinary.

Supplemental 2. Demographic and clinical characteristics of hospitalised women diagnosed with pelvic inflammatory disease (PID) with or without *Chlamydia trachomatis* (Ct) infection notified in the National Hospitalisation System (NHIS), Italy 2005-2016.

Characteristics	Women with PID and Ct	Women with PID
	N (%)	N (%)
Women	287 (100)	329 880 (100)
Age (years)		
15-24	85 (29.6)	26 946 (8.2)
25-34	85 (29.6)	85 897 (26.0) 113
35-44	84 (29.3)	622 (34.4) 103
45-70	33 (11.5)	415 (31.3) 39
Median	32	32-47
Interquartile range (IQR)	23-38	
Nationality		
Italian	208 (72.5)	288 961 (87.6)
Non-Italian	79 (27.5)	40 919 (12.4)
Geographic area of residence in Italy (%)*		
North	171 (63.8)	127 645 (39.4)
Central	63 (23.5)	48 872 (15.1)
South	34 (12.7)	147 484 (45.5)
Geographic area of hospitalisation, Italy (%)		
North	191 (66.6)	134 747 (40.8)
Central	66 (23.0)	50 155 (15.2)
South	30 (10.5)	145 018 (44.0)
Hospitalisation stay (days)		
Median	5 (range 1-32)	3 (range 0-382)
Interquartile range (IQR)	3-8	2-5
n.a.	24 (9.5)	0

n.a. = not available data

*we calculated percentages by using the number of women with Italian nationality as denominator.