

Chlamydia trachomatis Pgp3 antibody population seroprevalence before and during an era of widespread opportunistic chlamydia screening in England (1994-2012)

Supporting File 1: Categorisation by birth cohort

We explored Pgp3 seroprevalence by birth cohort among women aged 16 to 24, with birth cohorts grouped to reflect their relative exposure to widespread chlamydia screening. The median age at first sex reported among 16 to 24 year-olds in the third National Survey of Sexual Attitudes and Lifestyles (Natsal-3) was 16,¹ and was therefore used as the proxy age of sexual debut for the purposes of categorisation by birth cohort. Women who were ≤16 years in 2008 (the first year of national implementation of the NCSP) were defined as having high exposure. Women aged 17 to 24 in 2008 were defined as having partial exposure as they would have had some of their years post-sexual debut before the NCSP was nationally-implemented but would have still been within the target age group when national implementation occurred. Women aged over 24 years in 2008 were defined as having ‘limited’ exposure as they would have been outside the target age group when the NCSP was nationally implemented.

The numbers in each group by year of age are set out in Supplementary Table 1 below.

Supplementary Table 1: Numbers of women aged 16 to 24 contributing to Pgp3 seroprevalence estimates by birth cohort and year of age

Exposure to widespread screening	Year born	Year turned 16	Number of women by year of age									16-24	
			16	17	18	19	20	21	22	23	24		
Limited (born 1966-1975) 25 or older in 2008	1970	1986										66	66
	1971	1987									61	81	142
	1972	1988								63	76	87	226
	1973	1989						47	66	70			183
	1974	1990					52	50	69				171
	1975	1991				40	46	55					141
Total			0	0	0	40	98	152	198	207	234	929	
Limited (born 1976-1983) 25 or older in 2008	1976	1992				52	56						108
	1977	1993		51	41	44						45	181
	1978	1994	40	54	55						46	76	271
	1979	1995	68	61						40	87		256
	1980	1996	65						31	87			183
	1981	1997						48	82				130
	1982	1998				39	75						114
	1983	1999			37	69							106
Total			173	166	133	204	179	113	127	133	121	1349	
Partial (born 1984-1991) 17 to 24 in 2008	1984	2000		29	74							36	139
	1985	2001	37	107							27	9	180
	1986	2002	88							23	11	21	143
	1987	2003							21	9	17	19	66
	1988	2004						26	7	15	24	21	93
	1989	2005				16	8	15	11	20			70
	1990	2006			22	6	10	20	20				78
	1991	2007		28	14	13	12	17					84
Total			125	164	110	35	56	80	78	99	106	853	
High (born 1992-1996) 16 or younger in 2008	1992	2008	27	5	14	15	6						67
	1993	2009	8	17	13	18							56
	1994	2010	9	12	10								31
	1995	2011	16	11									27
	1996	2012	10										10
Total			70	45	37	33	6*	0	0	0	0	185	

*Not included in Figure 4 due to small group size

References

- 1 Mercer CH, Tanton C, Prah P, Erens B, Sonnenberg P, Clifton S et al. Changes in sexual attitudes and lifestyles in Britain through the life course and over time: findings from the National Surveys of Sexual Attitudes and Lifestyles (Natsal). *Lancet* 2013; 382(9907):1781-1794.