

Table A1. Distribution of births in the cohort by parity, whether the mother was treated before or after delivery and type of treatment received

All births	LLETZ/Loop/Cone		Punch biopsy		Not Known ¹	
	Birth after colposcopy	Birth before colposcopy	Birth after colposcopy	Birth before colposcopy	Birth after colposcopy	Birth before colposcopy
No previous births						
All births	2,088	824	3,284	1,219	833	846
Preterm 20-36	207	68	276	84	82	82
	9.9%	8.3%	8.4%	6.9%	9.8%	9.7%
Very preterm 20-32	68	24	82	23	24	16
	3.3%	2.9%	2.5%	1.9%	2.9%	1.9%
One or more previous births						
All births	2,688	349	3,979	517	1393	421
Preterm 20-36	242	30	310	35	167	33
	9.0%	8.6%	7.8%	6.8%	12.0%	7.8%
Very preterm 20-32	75	11	82	8	52	6
	2.8%	3.2%	2.1%	1.5%	3.7%	1.4%
Live (and still intra-partum)						
	LLETZ/Loop/Cone		Punch biopsy		Not Known	
	Birth after colposcopy	Birth before colposcopy	Birth after colposcopy	Birth before colposcopy	Birth after colposcopy	Birth before colposcopy
No previous births						
All births	2,072	818	3,271	1,209	828	755
Preterm 20-36	198	65	270	78	82	71
	9.6%	7.9%	8.3%	6.5%	9.9%	9.4%
Very preterm 20-32	61	21	78	21	24	14
	2.9%	2.6%	2.4%	1.7%	2.9%	1.9%

One or more previous births

All births	2,675	347	3,969	513	1383	385
Preterm 20-36	233	28	304	32	162	33
	8.7%	8.1%	7.7%	6.2%	11.7%	8.6%
Very preterm 20-32	69	10	76	5	48	6
	2.6%	2.9%	1.9%	1.0%	3.5%	1.6%

¹ Note that 72% of the not known after colposcopy were from one site which did not report the type of procedure (i.e. LLETZ or punch biopsy), by comparison just 29% of not known before colposcopy come from this hospital.

Table A2. Comparison of hospitals included in the study with hospitals in England with a colposcopy unit *

	National Health Service Hospitals with a colposcopy clinic in England		
	Proportion included in the study	National average excluding our sites	Inter-quartile range
% referrals clinically indicated	17.5	16.2	8.2-22.9
% DNA on colposcopy appointments	14.1	12.4	8.0-14.4
% with procedure at first appt	65.1	63.4	56.2-77.6
% excision at first appt	12.4	16.4	4.7-25.2
% ablation (+/- biopsy) on 1st appt	1.2	1.4	0.0-5.73
% biopsy result within 8 weeks	82.5	88.0	86.1-99.5
% biopsies with CIN	82.0	86.0	79.7-91.5
Total new referrals per year	10,938	118,269	

*Proportions are based on published national statistics for 2005/2006¹ chosen as a mid-point for the data included in the study

Table A3. Summary of analyses and results for very preterm births (<33 weeks)

	Total births	Crude Rate (preterm)	Relative risk(95% CI)
England	510,660	1.7%	-
External (vs. England)			
All cohort	18,441	2.6%	1.48(1.35 to 1.63)
All post histology	14,265	2.7%	1.56(1.41 to 1.72)
Post treatment	4776	3.0%	1.74(1.48 to 2.05)
Internal*			
All post histology vs. all pre histology	8779 3368	2.8% 2.0%	1.60(1.18 to 2.18)
Post treatment	2900	3.0%	
(i) vs. pre treatment	988	2.4%	1.45(0.91 to 2.31)
(ii) vs. post biopsy	4484	2.5%	1.23(0.89 to 1.69)
(iii) Adjusted	-	-	0.81(0.43 to 1.52)

*For the Internal analysis the relative risk is adjusted by study site, parity and maternal age at delivery

Table A4. Risk of preterm delivery in second and subsequent births after colposcopy.

	Treated		Punch		Crude RR (95% CI)	Adjusted* RR (95% CI)
	N	% Preterm	N	% Preterm		
Last birth before colposcopy	1038	8.1	1501	6.5	1.24(0.94 to 1.64)	1.50(1.08 to 2.09)
First birth after colposcopy	3453	9.1	5252	8.3	1.10(0.95 to 1.26)	1.16(0.99 to 1.36)
Second and subsequent births after colposcopy	1241	8.8	1915	6.7	1.31(1.03 to 1.68)	1.54(1.16 to 2.05)

*Relative risk adjusted by parity, maternal age and study site

Table A5. Within woman comparison: women who had a birth both pre and post colposcopy

	Total women	Preterm after colposcopy (%)	Preterm before colposcopy (%)	Number with discordant outcome	RR	
					RR	95% CI
All	1078	9.1%	7.4%	136	1.23	0.95-1.56
Treated	372	8.1%	8.6%	44	0.94	0.62-1.43
Not Treated	501	8.4%	7.4%	59	1.14	0.77-1.66
Treated vs. not treated	873	-	-	103	0.82	0.27-3.17