

The ORACLE Children Study: Educational outcomes at 11 years of age following antenatal prescription of erythromycin or co-amoxiclav

APPENDIX – supplemental tables

Table s1: Baseline characteristics of those participants for whom KS2 data were returned by antibiotic group

	Erythromycin	No erythromycin	Co-amoxiclav	No co-amoxiclav
	N=3025	N=3062	N=3066	N=3021
	n(%)	n(%)	n(%)	n(%)
Age	3025 (100)	3062 (100)	3066 (100)	3021 (100)
years, mean (SD)	10.5 (0.29)	10.5 (0.28)	10.5 (0.28)	10.5 (0.28)
Academic year	3025 (100)	3062 (100)	3066 (100)	3021 (100)
2004/2005	13 (0.4)	12 (0.4)	12 (0.4)	13 (0.4)
2005/2006	175 (5.8)	189 (6.2)	180 (5.9)	184 (6.1)
2006/2007	320 (10.6)	343 (11.2)	330 (10.8)	333 (11.0)
2007/2008	465 (15.4)	446 (14.6)	456 (14.9)	455 (15.1)
2008/2009	693 (22.9)	698 (22.8)	723 (23.6)	668 (22.1)
2009/2010	825 (27.3)	839 (27.4)	839 (27.4)	825 (27.3)
2010/2011	534 (17.7)	535 (17.5)	526 (17.2)	543 (18.0)
First language	2544 (84.1)	2577 (84.2)	2585 (84.3)	2536 (83.9)
English	2449 (96.3)	2494 (96.8)	2499 (96.7)	2444 (96.4)
Free school meal eligibility	2231 (73.8)	2239 (73.1)	2263 (73.8)	2207 (73.1)
Eligible	553 (24.8)	533 (24.5)	611 (27.0)	567 (25.7)
Ethnicity	2048 (67.7)	2068 (67.5)	2091 (68.2)	2025 (67.0)
White	1791 (87.4)	1820 (88.0)	1844 (88.2)	1767 (87.3)
Gender	3025 (100)	3062 (100)	3066 (100)	3021 (100)
Male	1604 (53.0)	1640 (53.6)	1659 (54.1)	1585 (52.5)
IDACI score	1782 (58.9)	1820 (59.4)	1827 (59.6)	1775 (58.8)
mean(SD)	0.25 (0.19)	0.26 (0.19)	0.25 (0.19)	0.26 (0.20)
School type	3023 (99.9)	3061 (99.9)	3064 (99.9)	3020 (99.9)
Community	2131 (70.5)	2100 (68.6)	2125 (69.4)	2106 (69.7)
Voluntary/faith	791 (26.2)	859 (28.1)	842 (27.5)	808 (26.8)
Foundation	96 (3.2)	90 (2.9)	88 (2.9)	98 (3.3)
Other	5 (0.2)	12 (0.4)	9 (0.3)	8 (0.3)
Educational needs	2732 (90.3)	2777 (90.7)	2777 (90.6)	2732 (90.4)
Special needs (SEN)	864 (31.6)	942 (33.9)	916 (33.0)	890 (32.6)

Key: IDACI: income deprivation affecting children index

Table s2: Proportion of missing data for the potential covariates for the Prelabour preterm rupture of membranes (PROM) and spontaneous labour (SPL) cohorts

Variable	PROM	SPL
Academic year	0	0
Age	0	0
Ethnicity	33.2%	31.6%
First language	16.9%	14.9%
Free school meal eligibility	28.4%	24.8%
Gender	0	0
IDACI	33.8%	47.8%
School type	1.0%	0

Key: IDACI: income deprivation affecting children index

Table s3: Covariates included in log-linear models for the PROM and SPL cohorts when conducting a complete case analysis and when only considering variables with <10% missing.

	PROM		SPL	
	Complete case	<10% missing	Complete case	<10% missing
English	FSM	Age	FSM	Gender
	Gender	Gender	Gender	
	Age		IDACI	
Mathematics	FSM	Age	FSM	School
	IDACI			
	Age			
Science	IDACI	Age	FSM	
	Age			

Key: FSM: Free school meals; IDACI: income deprivation affecting children index

Table s4: Covariates included in linear regression models for the PROM and SPL cohorts when conducting a complete case analysis and when only considering variables with <10% missing.

	PROM		SPL	
	Complete case	<10% missing	Complete case	<10% missing
English	Age	Age	Age	Age
	FSM	Gender	FSM	Gender
	Gender	School	Gender	School
	IDACI		IDACI	
Mathematics	Age	Age	Age	Academic year
	FSM	Gender	FSM	Age
	Gender	School	IDACI	Gender
	IDACI			School
Science	Age	Age	FSM	Age
	EFL	School	IDACI	
	FSM			
	IDACI			

Key: FSM: Free school meals; IDACI: income deprivation affecting children index; EFL: English as first language