

Title	Caesarean section delivery and childhood obesity in a British longitudinal cohort study
Authors	Masukume, Gwinyai;Khashan, Ali S.;Morton, Susan M. B.;Baker, Philip N.;Kenny, Louise C.;McCarthy, Fergus P.
Publication date	2019-10-30
Original Citation	Masukume, G., Khashan, A. S., Morton, S. M. B., Baker, P. N., Kenny, L. C. and McCarthy, F. P. (2019) 'Caesarean section delivery and childhood obesity in a British longitudinal cohort study', PLOS ONE, 14(10), e0223856. (13pp.) doi: 10.1371/journal.pone.0223856
Type of publication	Article (peer-reviewed)
Link to publisher's version	10.1371/journal.pone.0223856
Rights	©2019 Masukume et al. This is an open access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. - http://creativecommons.org/licenses/by/4.0/
Download date	2026-09-25 03:16:07
Item downloaded from	https://hdl.handle.net/10468/9315



UCC

University College Cork, Ireland
 Coláiste na hOllscoile Corcaigh

S3 Table. Mode of delivery and BMI category transition between ages three and five.

Transition (remained normal – base outcome)	RRR (95% CI)	p-value	AdjRRR (95% CI)**	p-value
Remained obese				
Normal vaginal delivery	reference		reference	
Assisted vaginal delivery	1.09 (0.71; 1.67)	0.695	1.16 (0.74; 1.85)	0.507
Planned Caesarean	1.20 (0.79; 1.81)	0.394	0.94 (0.59; 1.49)	0.780
Emergency Caesarean	1.22 (0.83; 1.79)	0.317	1.09 (0.70; 1.71)	0.698
Became obese				
Normal vaginal delivery	reference		reference	
Assisted vaginal delivery	0.92 (0.65; 1.30)	0.638	1.11 (0.77; 1.59)	0.572
Planned Caesarean	1.13 (0.82; 1.56)	0.444	0.96 (0.67; 1.38)	0.836
Emergency Caesarean	1.35 (1.02; 1.79)	0.035	1.34 (0.98; 1.82)	0.066
Became non obese				
Normal vaginal delivery	reference		reference	
Assisted vaginal delivery	1.18 (0.81; 1.72)	0.387	1.20 (0.81; 1.78)	0.362
Planned Caesarean	1.06 (0.71; 1.57)	0.787	0.81 (0.51; 1.27)	0.350
Emergency Caesarean	1.03 (0.71; 1.50)	0.872	0.92 (0.61; 1.38)	0.688
Any other transition				
Normal vaginal delivery	reference		reference	
Assisted vaginal delivery	1.04 (0.91; 1.18)	0.579	1.10 (0.97; 1.26)	0.143
Planned Caesarean	0.98 (0.86; 1.12)	0.761	1.01 (0.88; 1.16)	0.921
Emergency Caesarean	1.11 (0.99; 1.25)	0.083	1.11 (0.99; 1.27)	0.082

N for adjusted model = 11,421. Multinomial logistic regression. BMI – Body mass index, RRR (Relative Risk Ratio), CI (Confidence intervals), Adj (Adjusted).

**Adjusted for maternal age, ethnicity, education, marital status, couple income, infant sex, birth weight, smoking, gestational age, diabetes mellitus, parity, pre-pregnancy BMI (Non-macrosomic infants).