CORA Cork Open Research Archive
Cartlann Taighde Oscailte Chorcaí

Title	Trial of labour after caesarean section and the risk of neonatal and infant death: a nationwide cohort study
Authors	O'Neill, Sinéad M.;Agerbo, Esben;Khashan, Ali S.;Kearney, Patricia M.;Henriksen, Tine B.;Greene, Richard A.;Kenny, Louise C.
Publication date	2017-02-27
Original Citation	O'Neill, S. M., Agerbo, E., Khashan, A. S., Kearney, P. M., Henriksen, T. B., Greene, R. A. and Kenny, L. C. (2017) 'Trial of labour after caesarean section and the risk of neonatal and infant death: a nationwide cohort study', BMC Pregnancy and Childbirth, 17(74), pp. 1-9. doi:10.1186/s12884-017-1255-2
Type of publication	Article (peer-reviewed)
Link to publisher's version	10.1186/s12884-017-1255-2
Rights	© 2017, the Authors. Open Access. This article is distributed under the terms of the Creative Commons Attribution 4.0 International License (http://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes were made. The Creative Commons Public Domain Dedication waiver (http://creativecommons.org/publicdomain/zero/1.0/) applies to the data made available in this article, unless otherwise stated. - http://creativecommons.org/licenses/by/4.0/
Download date	2026-11-15 03:21:12
Item downloaded from	https://hdl.handle.net/10468/3827



University College Cork, Ireland
Coláiste na hOllscoile Corcaigh

Additional File 3 Neonatal and infant death according to mode of delivery – sensitivity analyses with adjustment for smoking, co-morbidities and body mass index

Mode of delivery	**Neonatal death** (≤28 days) n=95 entire cohort		
	AOR (95% CI)		
	* Model 1 (60 deaths)	† Model 2 (49 deaths)	ǂ Model 3 (23 deaths)
CS – ERCS	*Ref*	*Ref*	*Ref*
CS – TOLAC	1.34 (0.74, 2.43)	1.26 (0.64, 2.48)	1.07 (0.41, 2.76)
Mode of delivery	**Early neonatal death** (≤7 days) n=86 entire cohort		
	* Model 1 (56 deaths)	†Model 2 (46 deaths)	ǂ Model 3 (23 deaths)
CS – ERCS	*Ref*	*Ref*	*Ref*
CS – TOLAC	1.33 (0.72, 2.47)	1.30 (0.65, 2.63)	1.07 (0.41, 2.76)
Mode of delivery	**Late neonatal death** (> 7 days, ≤28 days) n=9 entire cohort		
	* Model 1	† Model 2	ǂ Model 3
CS – ERCS	*Ref*	*Ref*	*Ref*
CS – TOLAC	*Number of deaths too few to run logistic models*		
Mode of delivery	**Infant death** (≤365 days) n=171 entire cohort		
	* Model 1 (103 deaths)	†Model 2 (78 deaths)	ǂ Model 3 (31 deaths)
CS – ERCS	*Ref*	*Ref*	*Ref*
CS – TOLAC	1.02 (0.65, 1.60)	0.91 (0.54, 1.53)	0.68 (0.31, 1.50)

Table: Data are adjusted odds ratios with 95% confidence intervals. **AOR**= Adjusted odds ratio; **CI**=confidence interval, **ERCS**: Elective repeat caesarean section; **TOLAC**=Trial of labour after caesarean section**;** * **Model 1**: adjusted for key covariates in the second birth including maternal age, maternal country of origin, educational attainment, mother and father's gross income, marital status, infant birthplace and infant birth weight, history of pregnancy loss and birth year + smoking status (data available from 1991-2010 only, cohort n=50,880)
† **Model 2**: adjusted for model 1 + co-morbidities in the second delivery including hypertension, eclampsia and preeclampsia, fetal distress and gestational diabetes (data available from 1994-2010 only, cohort n=45,542)
ǂ **Model 3**: adjusted for model 2 + body mass index (BMI) (data available from 2004-2010 only, cohort n=22,672).