

**Comparison of costs related to infant hospitalisations for spontaneous, induced and Caesarean births: population-based cohort study**

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### SUPPLEMENTARY MATERIAL

Supplementary Table 1 Adjusted mean infant hospital admission total length of stay by birth type and week of gestational age, NSW, Australia, January 2005 to December 2015

Gestational age (weeks)	Spontaneous labour	Induction	Pre-labour CS	Crude difference (induction vs spont)		Crude difference (induction vs spont)	
	Mean days (95% CIs)	Mean days (95% CIs)	Mean days (95% CIs)	Mean days	p value	Mean days	p value
33	26.6 (10.8, 65.9)	38.7 (15.3, 97.6)	38.0 (15.4, 93.9)	12.1	<0.0001	11.4	<0.0001
34	19.1 (7.76, 47.3)	27.8 (11.0, 70.1)	27.3 (11.0, 67.5)	8.7	<0.0001	8.2	<0.0001
35	12.4 (5.02, 30.6)	17.9 (7.13, 45.3)	17.6 (7.16, 43.6)	5.5	<0.0001	5.2	<0.0001
36	7.52 (3.05, 18.5)	10.9 (4.32, 27.5)	10.7 (4.34, 26.4)	3.4	<0.0001	3.2	<0.0001
37	5.39 (2.18, 13.3)	7.82 (3.10, 19.7)	7.69 (3.11, 18.9)	2.4	<0.0001	2.3	<0.0001
38	4.47 (1.81, 11.0)	6.48 (2.57, 16.3)	6.38 (2.58, 15.7)	2.0	<0.0001	1.9	<0.0001
39	3.90 (1.58, 9.64)	5.66 (2.24, 14.2)	5.57 (2.25, 13.7)	1.8	<0.0001	1.7	<0.0001
40	3.81 (1.54, 9.41)	5.53 (2.19, 13.9)	5.44 (2.20, 13.4)	1.7	<0.0001	1.6	<0.0001
41	4.06 (1.64, 10.0)	5.89 (2.33, 14.8)	5.80 (2.35, 14.3)	1.8	<0.0001	1.7	<0.0001
42+	4.03 (1.63, 9.96)	5.85 (2.32, 14.7)	5.75 (2.33, 14.2)	1.8	0.0002	1.7	0.0002

Note. p values are by t test for difference. Analyses adjusted for smoking during pregnancy, maternal hypertension, maternal diabetes, maternal age, parity, socioeconomic status, rural area of residence, type of hospital (private vs public), and year of hospital admission.



Supplementary Table 2 Adjusted infant hospital inpatient costs to first year of age by birth type and week of gestational age, NSW, Australia, January 2005 to December 2015

Gestational age (weeks)	Spontaneous labour	Induction	Pre-labour CS	Crude difference (induction vs spont)		Crude difference (induction vs spont)	
	Mean cost (95% CIs)	Mean cost (95% CIs)	Mean cost (95% CIs)	Mean cost	p value	Mean cost	p value
33	40,456 (38538, 42470)	48,541 (46201, 50999)	58,324 (55525, 61265)	8,084	<0.0001	17,868	<0.0001
34	29,026 (27975, 30117)	34,827 (33529, 36174)	41,846 (40298, 43454)	5,800	<0.0001	12,820	<0.0001
35	19,634 (19068, 20215)	23,557 (22848, 24288)	28,305 (27463, 29173)	3,923	<0.0001	8,671	<0.0001
36	11,499 (11237, 11767)	13,797 (13460, 14142)	16,578 (16180, 16986)	2,298	<0.0001	5,079	<0.0001
37	8,219 (8067, 8375)	9,862 (9660, 10069)	11,850 (11612, 12092)	1,643	<0.0001	3,630	<0.0001
38	6,671 (6561, 6782)	8,004 (7855, 8156)	9,617 (9443, 9795)	1,333	<0.0001	2,946	<0.0001
39	5,566 (5477, 5656)	6,678 (6556, 6801)	8,024 (7882, 8168)	1,112	<0.0001	2,458	<0.0001
40	5,422 (5329, 5518)	6,506 (6380, 6634)	7,817 (7670, 7968)	1,083	<0.0001	2,395	<0.0001
41	5,936 (5706, 6176)	7,122 (6839, 7418)	8,558 (8220, 8910)	1,186	<0.0001	2,622	<0.0001

42+	5,894 (5800, 5990)	7,072 (6953, 7194)	8,498 (8359, 8639)	1,178	0.0002	2,603	0.0002
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Note. p values are by t test for difference. Analyses adjusted for smoking during pregnancy, maternal hypertension, maternal diabetes, maternal age, parity, socioeconomic status, rural area of residence, type of hospital (private vs public), and year of hospital admission.