

Giving birth by caesarean section : the role of previous births and length of residence in France

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Background

Rates of delivery by caesarean section are higher among immigrant women than among native-born women in France, as in other host countries.

Aim

To measure the role of length of residence and previous birth in France on caesarean delivery risk.

Main findings

- Among all migrant women in our sample, only multiparous women with no prior caesarean deliveries were more likely to deliver by caesarean when they had shorter length of residence in France
- Multiparous women with no prior caesarean deliveries are at higher risk of delivering by caesarean when they give birth in France for the first time and with a shorter length of residence
- Besides decreasing the use of repeat caesarean, limiting the use of caesarean on non-previously sectioned women is crucial to the reduction of the caesarean section rate in this exposed group.

	n	%	p	OR	95% CI	aOR	95% CI
Primiparae							
	33/93	35,5					
Length of residence at birth							
< 2 yrs	14/42	33,3	0,79	1,00		1,00	
2 yrs +	18/50	36,0		1,13	0,47-2,68	1,04	0,41-2,65
Multiparae with no prior caesarean							
	24/188	12,8					
Length of residence at birth							
< 2 yrs	12/58	20,7	0,03	1,00		1,00	
2 yrs +	12/130	9,2		0,39	0,16-0,92	0,34	0,13-0,85
Multiparae with prior caesarean							
	23/39	59,0					
Length of residence at birth							
< 2 yrs	6/11	54,6	0,72	1,00		1,00	
2 yrs +	17/28	60,7		1,29	0,31-5,35	1,62	0,33-7,89

Primiparae : n = 93 deliveries; Multiparae with no prior caesarean: n = 188 deliveries (145 respondents); Multiparae with prior caesarean: n = 39 deliveries (31 respondents).

aOR adjusted on respondents' age and region of origin

Results

	n	%	p	OR	95% CI	aOR	95% CI
Multiparae with no prior caesarean							
Previous birth in France							
No	19/104	18,3	0,01	1,00		1,00	
Yes	5/84	6,0		0,28	0,10-0,79		
Length of residence at birth							
< 2 yrs	12/58	20,7	0,03	1,00		1,00	
2 yrs +	12/130	9,2		0,39	0,16-0,92		
Previous birth in France # Length of residence at birth							
No # < 2 yrs	12/57	21,1	0,03	1,00		1,00	
No # 2 yrs +	7/47	14,9		0,66	0,23-1,84	0,56	0,19-1,64
Yes # < 2 yrs	0/1	0,00		-		-	
Yes # 2 yrs +	5/83	6,02		0,24	0,08-0,72	0,22	0,07-0,69

N = 188 deliveries (145 respondents)

aOR adjusted on respondents' age and region of origin

Data & Methods

We analyzed data from the 2017 DSAFHIR survey investigating the health and migration experiences of migrant women housed in emergency housing in Ile de France region in France. N = 469

Logistic regression models were used to assess association estimates linking length of residence and previous birth in France with caesarean delivery. We analyzed 320 deliveries reported by 269 respondents, that took place in France between 2010 and 2017.

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