

Table 1 Odds ratios with 95% confidence interval (CI) for placental abruption by maternal region of birth, length of residence and reason for immigration, Norway, 1990-2016

	No. of pregnancies	Placental abruption, No (%)	Crude odds ratio (95% CI)	Adjusted odds ratio (95% CI) ^a
Non-immigrants	1,312,287	6,220 (0.47)	1	1
Maternal region of birth^b				
Central Europe, Eastern Europe and Central Asia	56,245	221 (0.39)	0.83 (0.72-0.95)	1.05 (0.92-1.21)
High income countries	52,591	234 (0.44)	0.93 (0.82-1.07)	1.02 (0.89-1.16)
Latin America and Caribbean	6,416	35 (0.54)	1.15 (0.82-1.60)	1.29 (0.93-1.81)
North Africa and Middle East	38,829	199 (0.51)	1.08 (0.93-1.25)	1.11 (0.96-1.30)
South Asia	19,381	87 (0.45)	0.94 (0.76-1.17)	0.88 (0.71-1.10)
Southeast Asia, East Asia and Oceania	39,977	189 (0.48)	1.02 (0.88-1.18)	1.03 (0.89-1.20)
Sub-Saharan Africa	32,281	202 (0.62)	1.31 (1.14-1.52)	1.35 (1.15-1.58)
Length of residence^b				
< 1 year	22,441	97 (0.43)	0.91 (0.74-1.12)	1.03 (0.84-1.26)
1-4 years	103,978	497 (0.48)	1.01 (0.92-1.11)	1.13 (1.03-1.24)
≥ 5 years	117,413	559 (0.48)	1.00 (0.92-1.10)	1.03 (0.94-1.13)
Reason for immigration^{b,c}				
Education	11,921	39 (0.33)	0.69 (0.50-0.94)	0.94 (0.69-1.92)
Family	112,167	503 (0.45)	0.95 (0.86-1.04)	1.05 (0.95-1.15)
Refugee	38,288	206 (0.54)	1.14 (0.99-1.31)	1.15 (0.99-1.33)
Work	23,798	87 (0.37)	0.77 (0.62-0.95)	1.14 (0.92-1.41)
Nordic immigrants	26,884	123 (0.46)	0.97 (0.81-1.16)	1.05 (0.88-1.26)
Other	2,435	12 (0.49)	1.04 (0.59-1.83)	1.24 (0.70-2.18)

^a Adjusted for year of birth, maternal age, parity, multiple pregnancies, chronic hypertension and level of education.

^b Non-immigrants were used as reference category for all analyses.

^c Data was available from 1990 onwards. Women immigrating before 1990 and giving birth after 1990 were therefore excluded from the analyses of reasons for immigration.