

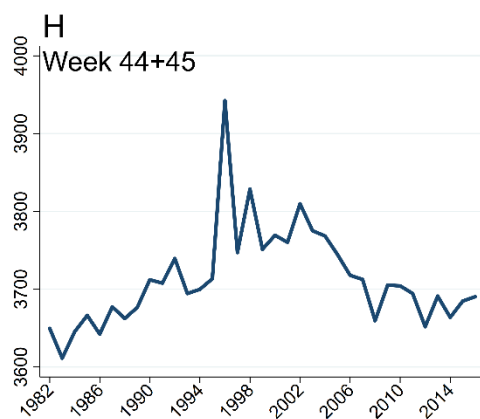
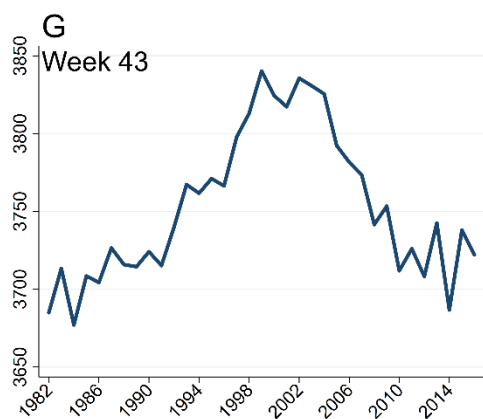
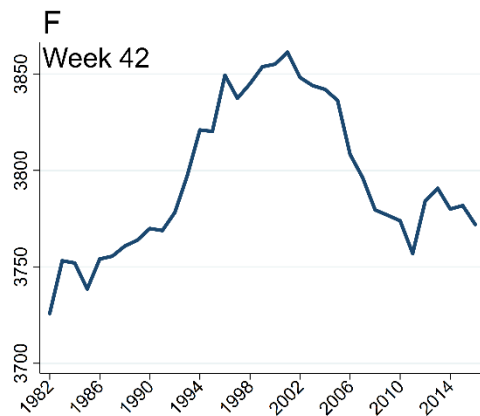
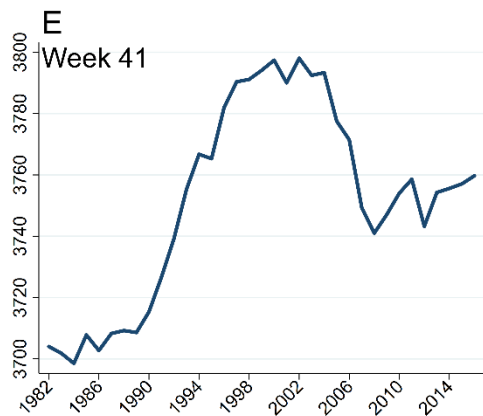
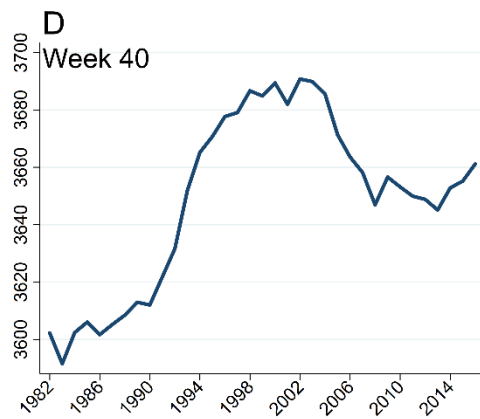
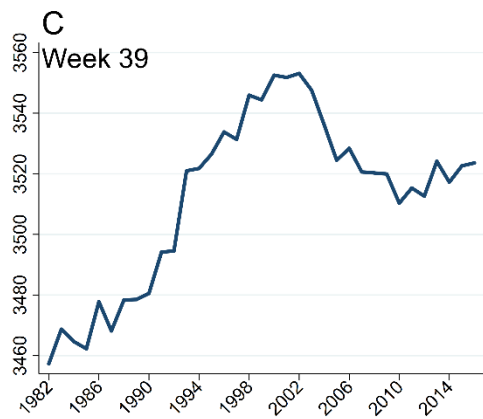
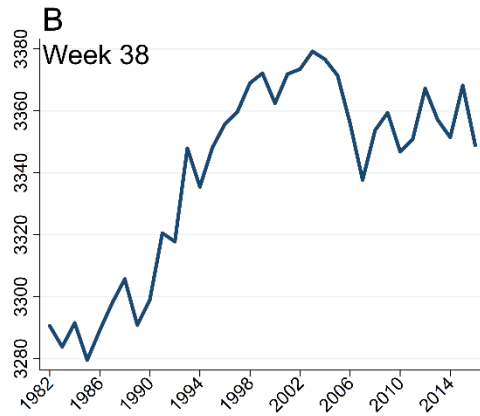
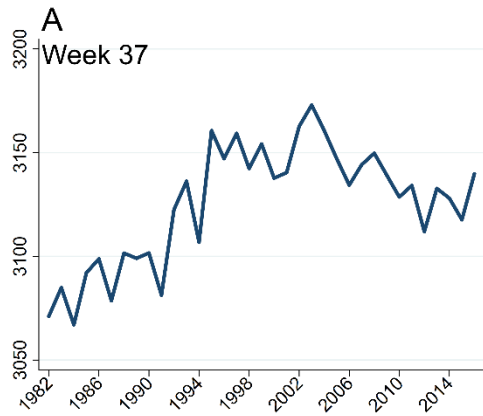
eTable 1: Characteristics of term children born in Norway from 1982 to 2016.

	Year of birth						Total
	1982-1990	1991-1995	1996-1998	1999-2002	2003-2006	2007-2016	
Part of hump:	Before	Increase	Zenith I	Zenith II	Decrease	After	
<u>Term births (n):</u>	418 370	253 093	150 806	202 781	198 984	515 801	1 739 835
Boys (%)	51.2	51.2	51.2	51.1	51.0	51.1	51.1
Preeclampsia (%)	-	-	-	3.6	3.1	2.4	-
Missing info on smoking (%)	100	100	100	14.7	18.1	13.7	-
Smoking of non-missing (%)	-	-	-	23.4	17.0	9.1	-
Diagnosis of diabetes (%) ^a	0.4	0.8	1.0	1.3	1.5	3.3	1.6
Missing maternal BMI ^b (%)	100	100	100	100	100	47.4	-
Mean maternal BMI ^b	-	-	-	-	-	24.3	-

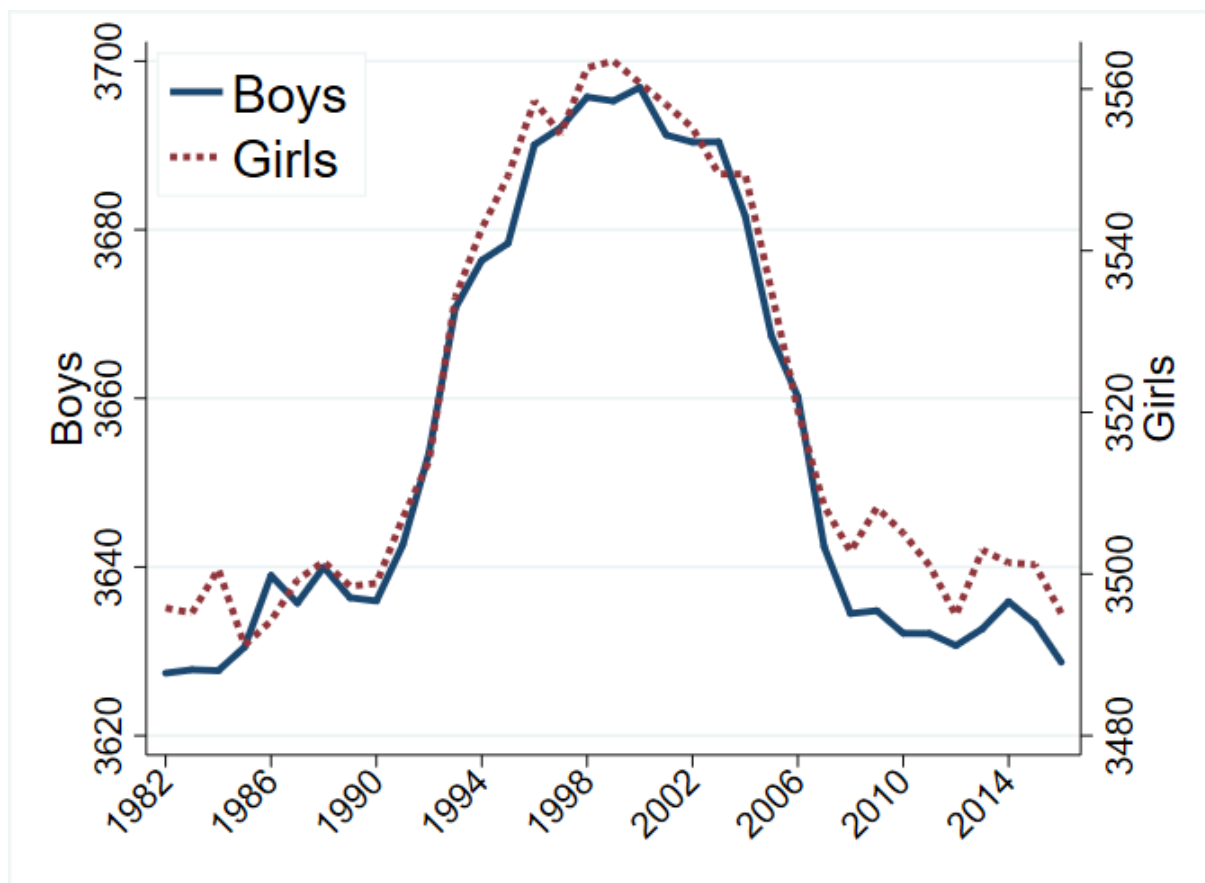
^a Diagnosis of any form of diabetes mellitus or use of diabetes medication during pregnancy.

^b BMI; Body-mass index.

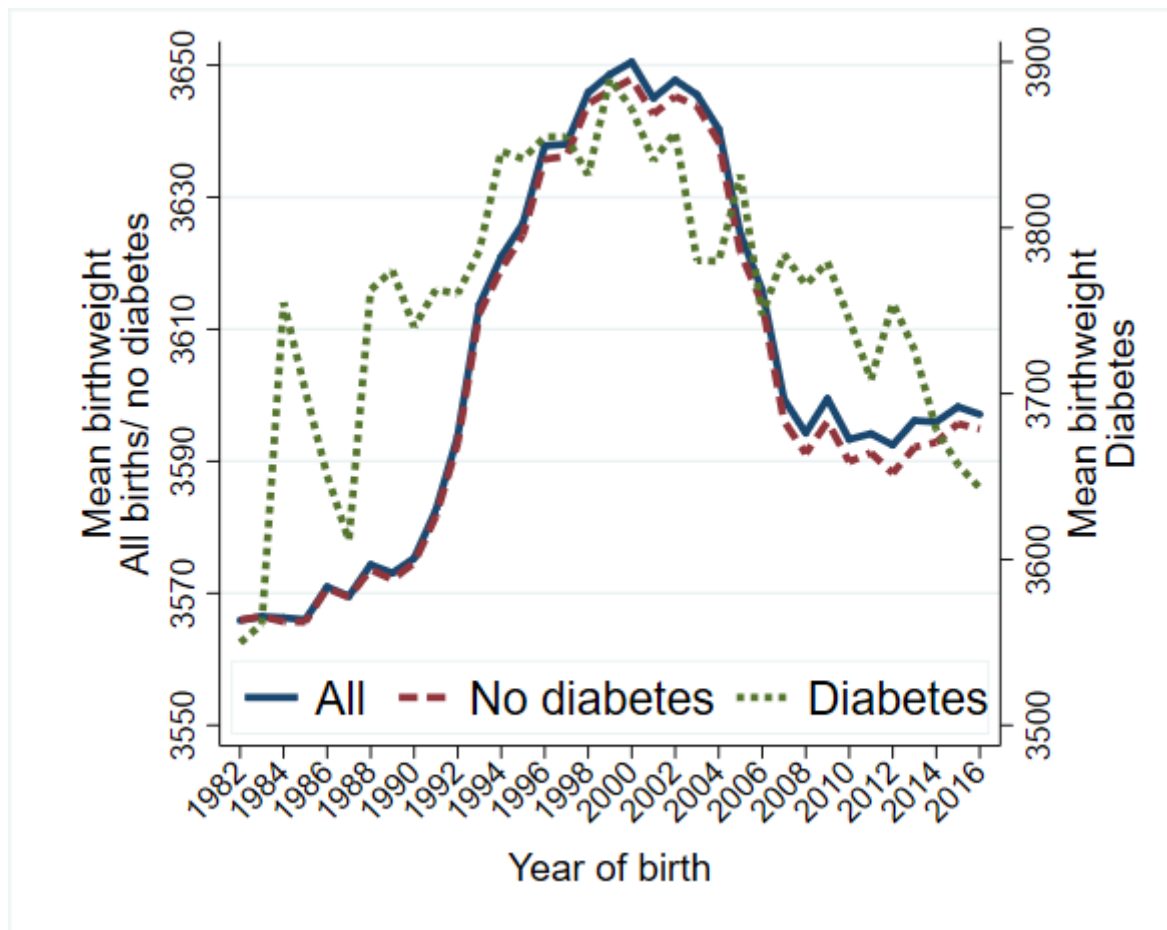
Mean birthweight (grams)



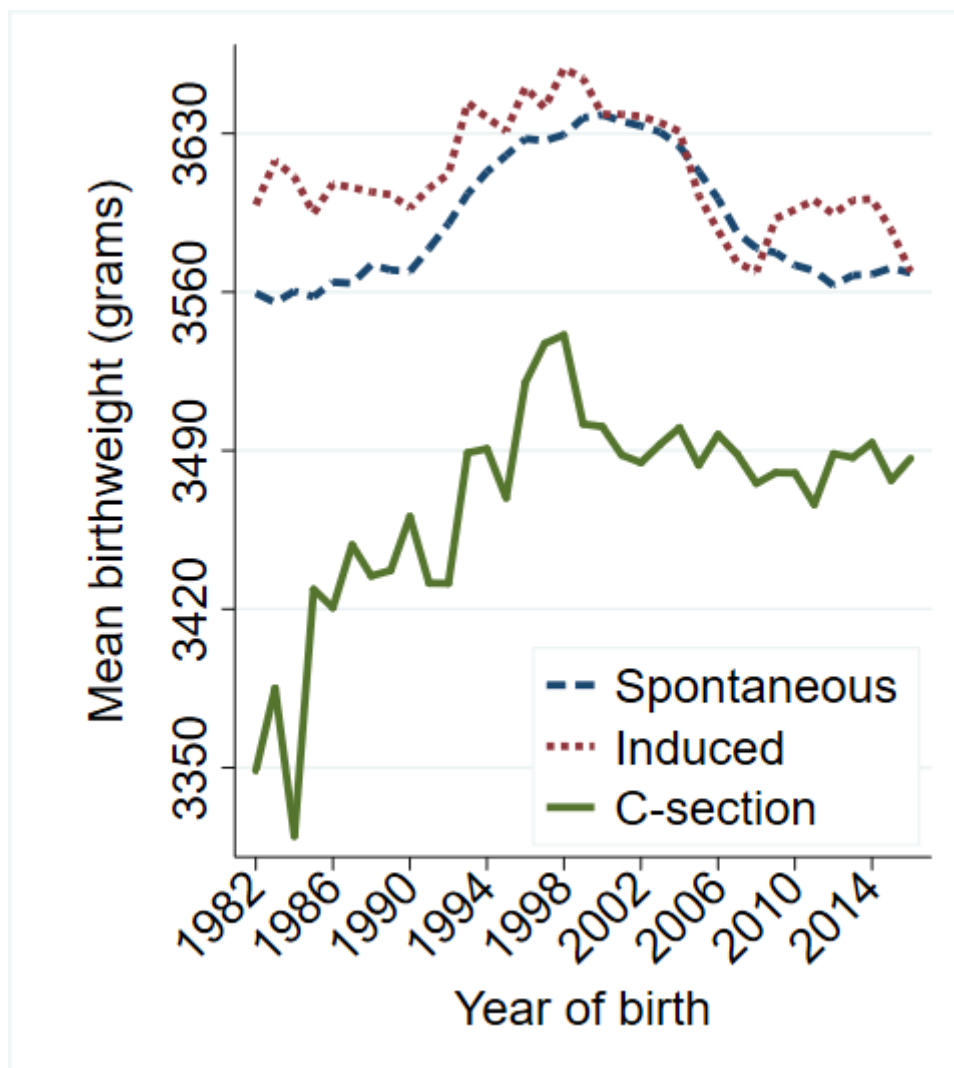
eFigure 1: Mean birthweight for term live births born to Scandinavian women in Norway by year of birth between 1982 and 2016, stratified by gestational age in weeks. A: gestational week 37; B: gestational week 38; C: gestational week 39; D: gestational week 40; E: gestational week 41; F: gestational week 42; G: gestational week 43; H: combined gestational weeks 44 and 45 (combined due to low numbers). Note different scales on y-axes. X-axes showing year of birth.



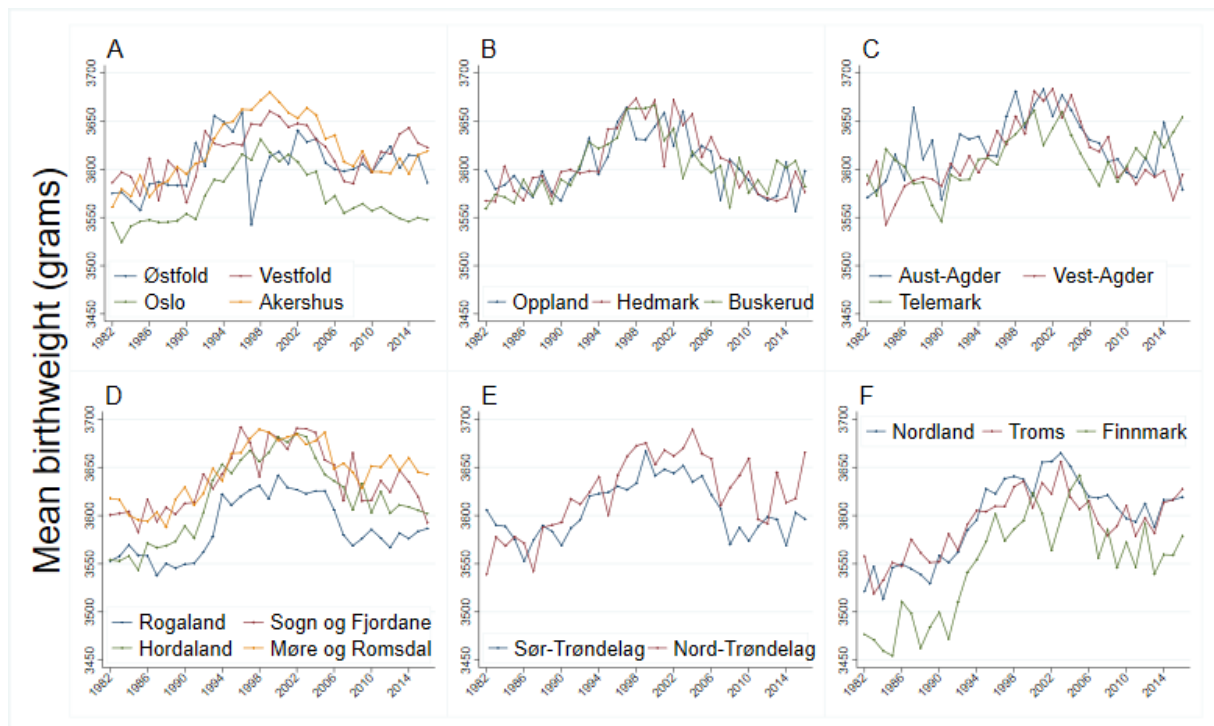
eFigure 2: Mean birthweight (in grams) in live-born term births by year of birth, stratified by sex. Note different scales on the y-axes.



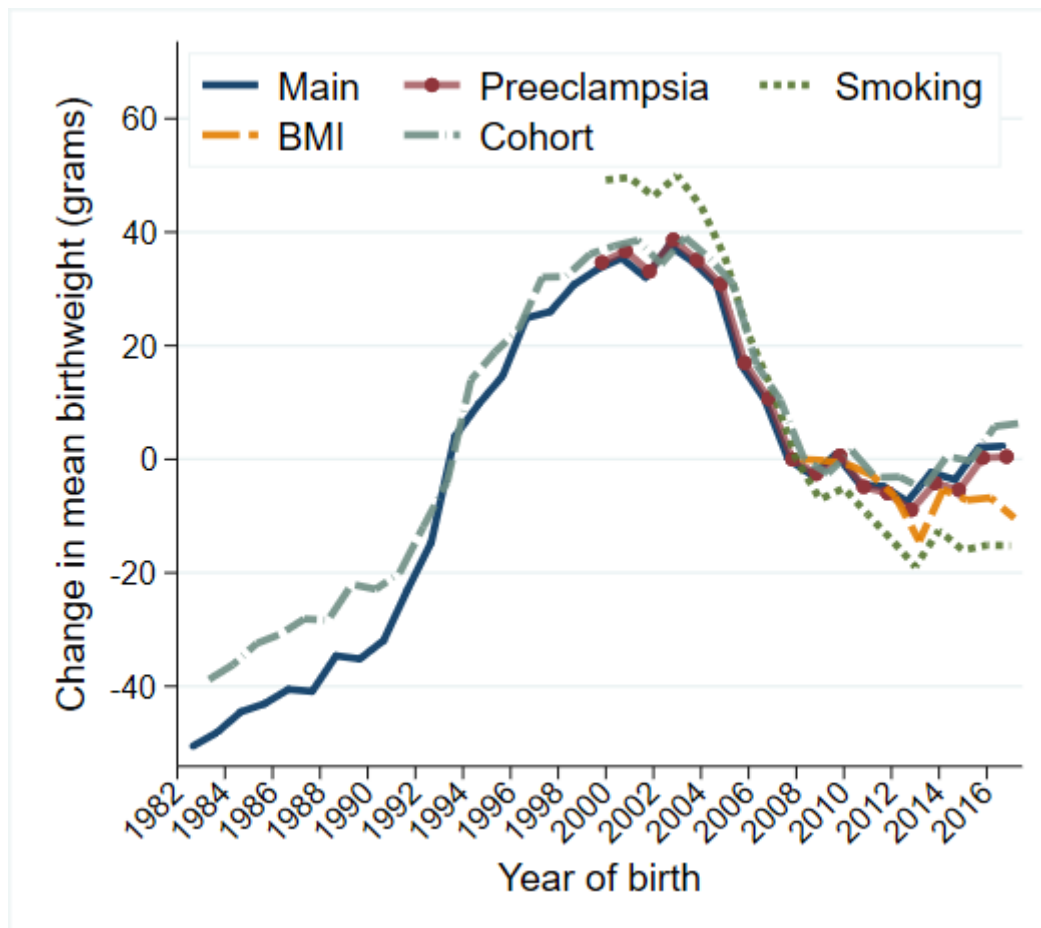
eFigure 3: Mean birthweight for term live births born to Scandinavian women in Norway by year of birth between 1982 and 2016, stratified by diagnosis of diabetes mellitus vs no diagnosis of diabetes mellitus and all births regardless of diagnosis. Note different scales on y-axes, with right y-axis showing mean birthweight for offspring from a pregnancy with any diagnosis of diabetes mellitus.



eFigure 4: Mean birthweight (in grams) in live-born term births by year of birth, stratified by mode of onset of delivery.



eFigure 5: Mean birthweight for term live births born to Scandinavian women in Norway by year of birth between 1982 and 2016, stratified by county of residence at time of birth. A: Østfold, Vestfold, Oslo and Akershus; B: Oppland, Hedmark and Buskerud; C: Aust-Agder, Vest-Agder and Telemark; D: Rogaland, Sogn og Fjordane, Hordaland, and Møre og Romsdal; E: Sør-Trøndelag and Nord-Trøndelag; F: Nordland, Troms and Finnmark. X-axes showing year of birth.



eFigure 6: Adjusted estimated change in mean birthweight in live-born children born at term to Scandinavian-born mothers by year of birth compared to year 2007. Estimates obtained by linear regression adjusted for parity (primipara versus multipara), maternal age continuous and squared, gestational age continuous and squared, onset of delivery (spontaneous versus medically induced versus caesarean section), marital status (married, cohabiting, non-married/single, divorced/separated/widowed and other/unknown), congenital anomalies (no versus yes) with 2007 as reference year.

The different models: Main: the main adjusted model, currently shown in Figure 5 (n=1,410,916) with the covariates listed above. Preeclampsia: added preeclampsia (yes/no) to the main model (n=731,219). Smoking: added smoking (yes/no) to the preeclampsia-model (n=631,733). BMI: added BMI (continuous) to the smoking-model (n=189,992). Cohort: main model (figure 5), adjusting for maternal year of birth in 10-year categories (<1950, 1950-1959, ... , 1980-1989, >=1990) (n=1,410,142).