

Supplementary Table 1 Association between maternal diabetes and risk of feeding and eating disorders in offspring excluding preterm birth (n=1 133 738)

Exposure	No. of cases	Rate per 1000 person-years	HR (95% CI)	
			Model 1	Model 2
No diabetes	1716	0.26	Ref 1.00	Ref 1.00
Maternal diabetes	108	0.51	1.77 (1.46, 2.16)	1.60 (1.30, 1.98)
Pregestational diabetes	61	0.60	2.05 (1.59, 2.65)	1.89 (1.44, 2.49)
Type 1 diabetes	34	0.52	1.78 (1.27, 2.51)	1.59 (1.10, 2.30)
Type 2 diabetes	27	0.73	2.53 (1.73, 3.71)	2.43 (1.63, 3.62)
Gestational diabetes	47	0.43	1.51 (1.13, 2.02)	1.33 (0.98, 1.82)

Model 1 adjusted for birth year; Model 2 additionally adjusted for sex, parity, maternal characteristics (age, education level, origin, cohabitation, smoking status during pregnancy, psychiatric disorder history) and paternal age; HR, hazard ratio;

Appendix Table 2 Association between paternal diabetic and risk of feeding and eating disorders during 1996-2015 (n=1 193 891)

Exposure	No. of cases	Rate per 1000 person-years	HR (95% CI) Model 1	HR (95% CI) Model 2
No paternal diabetes	2024	0.30	Ref 1.00	Ref 1.00
Paternal diabetes	17	0.26	0.86 (0.53, 1.38)	0.71 (0.42, 1.21)

Model 1 adjusted for birth year; Model 2 additionally adjusted for sex, parity, maternal characteristics (age, education level, origin, cohabitation, smoking status during pregnancy, psychiatric disorder history) and paternal age; HR, hazard ratio;

Appendix Table 3 Association between maternal diabetes and risk of feeding and eating disorders in offspring using co-sibling analysis (n= 886 711)

Exposure	No. of cases	Rate per 1000 person-years	HR (95% CI)	
			Model 1	Model 2
No diabetes	1421	0.28	Ref 1.00	Ref 1.00
Maternal diabetes	84	0.50	1.65 (1.32, 2.06)	1.54 (1.22, 1.94)
Pregestational diabetes	47	0.55	1.80 (1.35, 2.41)	1.76 (1.31, 2.38)
Type 1 diabetes	32	0.57	1.88 (1.32, 2.67)	1.80 (1.25, 2.59)
Type 2 diabetes	15	0.50	1.67 (1.00, 2.75)	1.70 (1.02, 2.84)
Gestational diabetes	37	0.45	1.49 (1.08, 2.07)	1.32 (0.93, 1.86)

Model 1 adjusted for birth year; Model 2 additionally adjusted for sex, parity, maternal characteristics (age, education level, origin, cohabitation, smoking status during pregnancy, psychiatric disorder history) and paternal age; HR, hazard ratio;

Appendix Table 4 Association between maternal diabetes and risk of feeding and eating disorders in offspring born during 2004-2015

Exposure	No. of cases	Rate per 1000 person-years	HR (95% CI)	
			Model 1	Model 2
No diabetes	1313	0.33	Ref 1.00	Ref 1.00
Maternal diabetes	111	0.58	1.77 (1.45, 2.14)	1.63 (1.31, 2.03)
Pregestational diabetes	66	0.68	2.06 (1.61, 2.64)	1.93 (1.47, 2.53)
Type 1 diabetes	38	0.61	1.84 (1.33, 2.54)	1.71 (1.20, 2.43)
Type 2 diabetes	28	0.81	2.45 (1.69, 3.56)	2.34 (1.56, 3.53)
Gestational diabetes	45	0.48	1.46 (1.08, 1.97)	1.31 (0.93, 1.84)

Model 1 adjusted for birth year; Model 2 additionally adjusted for sex, parity, maternal characteristics (age, education level, origin, cohabitation, smoking status during pregnancy, psychiatric disorder history, pregestational body mass index) and paternal age; HR, hazard ratio;

Appendix Table 5 Association between maternal diabetes and risk of feeding and eating disorders in offspring stratified by sex

Exposure	No. of cases	Rate per 1000 person-years	HR (95% CI) Model 1	HR (95% CI) Model 2
<b>For boys</b>				
No diabetes	939	0.27	Ref 1.00	Ref 1.00
Maternal diabetes	54	0.44	1.54 (1.17, 2.02)	1.33 (0.98, 1.80)
Pregestational diabetes	33	0.55	1.89 (1.33, 2.68)	1.81 (1.25, 2.61)
Type 1 diabetes	21	0.54	1.87 (1.21, 2.88)	1.80 (1.14, 2.84)
Type 2 diabetes	12	0.56	1.93 (1.09, 3.41)	1.83 (1.07, 3.32)
Gestational diabetes	21	0.34	1.19 (0.77, 1.83)	0.86 (0.52, 1.44)
<b>For girls</b>				
No diabetes	1 027	0.31	Ref 1.00	Ref 1.00
Maternal diabetes	79	0.70	2.06 (1.64-2.60)	1.93 (1.51, 2.46)
Pregestational diabetes	46	0.81	2.38 (1.77-3.20)	2.19 (1.60, 3.01)
Type 1 diabetes	23	0.64	1.84 (1.22-2.79)	1.66 (1.07, 2.59)
Type 2 diabetes	23	1.14	3.36 (2.22-5.09)	3.16 (2.04, 4.89)
Gestational diabetes	33	0.59	1.74 (1.23-2.46)	1.67 (1.16, 2.39)

Model 1 adjusted for birth year; Model 2 additionally adjusted for parity, maternal characteristics (age, education level, origin, cohabitation, smoking status during pregnancy, psychiatric disorder history) and paternal age; HR, hazard ratio;

Appendix Table 6 Association between maternal diabetes and risk of feeding and eating disorders in offspring excluding cleft lip, cleft palate, and other congenital malformations of the digestive system (n=1 182 478)

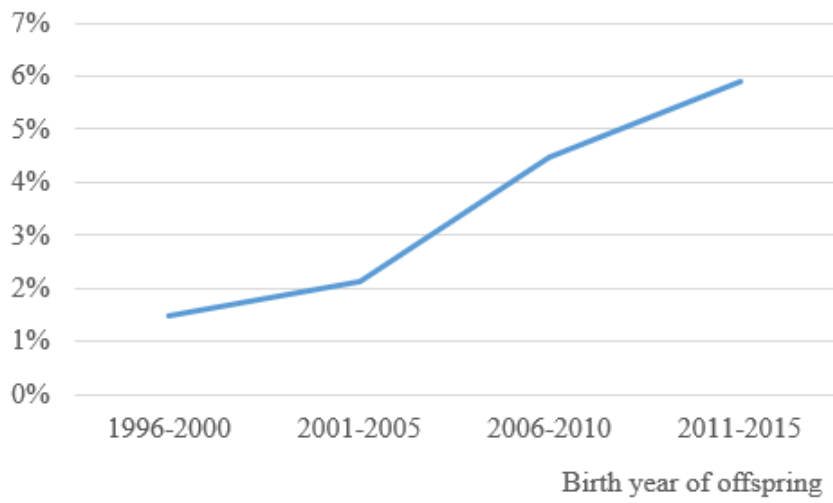
Exposure	No. of cases	Rate per 1000 person-years	HR (95% CI)	
			Model 1	Model 2
No diabetes	1887	0.28	Ref 1.00	Ref 1.00
Maternal diabetes	126	0.54	1.79 (1.50, 2.15)	1.63 (1.34, 1.98)
Pregestational diabetes	77	0.67	2.19 (1.74, 2.75)	2.05 (1.61, 2.61)
Type 1 diabetes	43	0.58	1.89 (1.40, 2.56)	1.76 (1.27, 2.43)
Type 2 diabetes	34	0.83	2.72 (1.94, 3.83)	2.57 (1.79, 3.67)
Gestational diabetes	49	0.42	1.40 (1.05, 1.86)	1.22 (0.90, 1.66)

Model 1 adjusted for birth year; Model 2 additionally adjusted for sex, parity, maternal characteristics (age, education level, origin, cohabitation, smoking status during pregnancy, psychiatric disorder history) and paternal age; HR, hazard ratio;

Appendix Table 7 Association between maternal diabetes and risk of feeding and eating disorders in offspring (n=1 193 891)

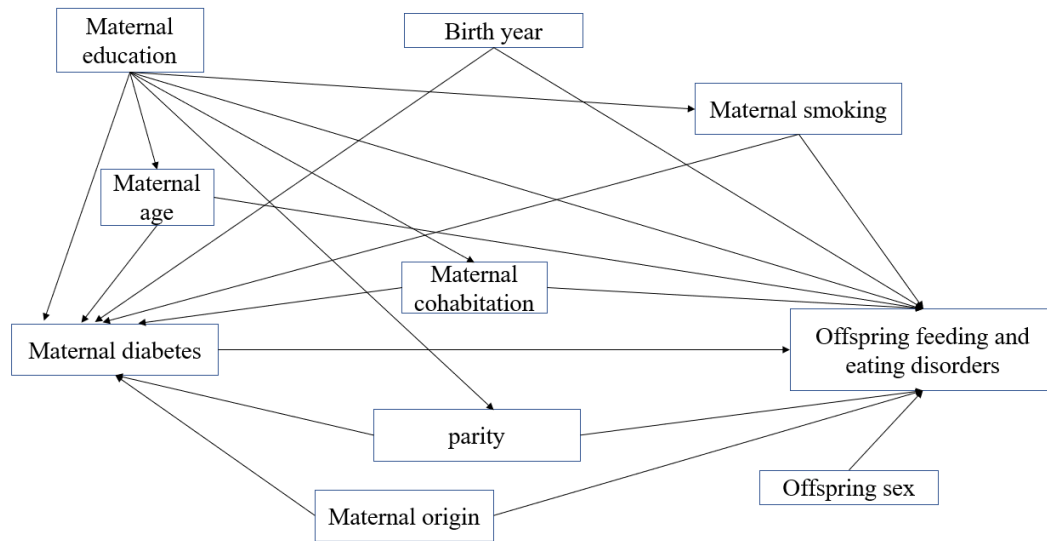
Exposure	No. of cases	Rate per 1000 person-years	HR (95% CI)	
			Model 1	Model 2
No diabetes	1999	0.29	Ref 1.00	Ref 1.00
Maternal diabetes	100	0.55	1.77 (1.45, 2.17)	1.59 (1.28, 1.98)
Pregestational diabetes	42	0.72	2.40 (1.77, 3.26)	2.23 (1.61, 3.08)
Type 1 diabetes	24	0.70	2.35 (1.57, 3.52)	2.19 (1.42, 3.37)
Type 2 diabetes	18	0.75	2.46 (1.55, 3.91)	2.28 (1.41, 3.67)
Gestational diabetes	58	0.47	1.49 (1.15, 1.93)	1.31 (0.99, 1.74)

Model 1 adjusted for birth year; Model 2 additionally adjusted for sex, parity, maternal characteristics (age, education level, origin, cohabitation, smoking status during pregnancy, psychiatric disorder history) and paternal age; HR, hazard ratio;



Supplementary Figure S1. The proportion of offspring born to mothers diagnosed with diabetes by birth years





Supplementary Figure 2 Directed acyclic graphs showing selection of covariates for confounding control