

**Supplementary Table SIII Adjusted hazard ratios (HRs) for offspring obesity in relation to maternal polycystic ovary syndrome (PCOS) in birth cohort 1996–2014.**

Groups	Overall <sup>a</sup>				Male			Female				
	No. of cases	Person-years	IR <sup>b</sup>	HR (95% CI)	No. of cases	IR <sup>b</sup>	HR (95% CI)		No. of cases	IR <sup>b</sup>	HR (95% CI)	
							Model 1	Model 2			Model 1	Model 2
<b>Overall</b>												
No maternal PCOS	13 519	13 758 016	0.98	1.00	7609	1.09	1.00	1.00	5910	0.87	1.00	1.00
Maternal PCOS	274	277 097	0.99	1.94 (1.72–2.18)	146	1.03	1.84 (1.56–2.16)	1.42 (1.21–1.68)	128	0.94	2.07 (1.73–2.46)	1.51 (1.27–1.80)
<b>≤ 9 years</b>												
No maternal PCOS	5579	8 852 347	0.63	1.00	2917	0.65	1.00	1.00	2662	0.61	1.00	1.00
Maternal PCOS	134	196 156	0.68	2.08 (1.75–2.47)	76	0.75	2.25 (1.80–2.83)	1.76 (1.40–2.21)	58	0.61	1.88 (1.45–2.44)	1.42 (1.10–1.85)
<b>10–16 years</b>												
No maternal PCOS	7241	3 731 103	1.94	1.00	4469	2.41	1.00	1.00	2772	1.48	1.00	1.00
Maternal PCOS	129	64 719	1.99	1.81 (1.52–2.16)	69	2.13	1.57 (1.24–1.99)	1.20 (0.95–1.53)	60	1.86	2.21 (1.71–2.85)	1.57 (1.21–2.03)
<b>17–22 years</b>												
No maternal PCOS	699	1 174 566	0.60	1.00	223	0.38	1.00	1.00	476	0.80	1.00	1.00
Maternal PCOS	11	16 222	0.68	1.80 (0.99–3.27)	1	0.13	0.50 (0.07–3.57)	0.40 (0.06–2.89)	10	1.21	2.44 (1.31–4.57)	1.68 (0.90–3.16)

PCOS was identified by ICD-9 256.4 and ICD-10 E28.2. Obesity was identified by ICD-10 codes E65, E66. Model 1 was adjusted for offspring birth year, caesarean section (yes/no) and number of fetuses. Model 2 was further adjusted for maternal age, smoking during pregnancy (yes/no), married at delivery (yes/no), maternal socio-economic status (SES) (upper white collar worker, lower white collar worker, blue collar worker, and other status), maternal psychiatric disorders (yes/no), maternal obesity (yes/no), maternal insulin-treated pregestational diabetes (yes/no), and maternal other diabetes (yes/no).

<sup>a</sup>The analyses were also adjusted for offspring sex.

<sup>b</sup>IR, incidence rate per 1000 person-years. Reference group was total, male or female births to non-PCOS/anovulatory infertility mothers.