

Data supplement

		Summary effect estimate	Heterogeneit
Prenatal factors (study n)	Results across studies ^a	(95% CI) ^b	P
Parental demographics			
Maternal age (30)	20 null	Trend $P = 0.02$	
	8 significant positive*		
	2 significant negative*		
5-year increase (9)		1.07 (1.01-1.13)	< 0.001
<20 v. 25–29 (6)		0.86 (0.51–1.43)	< 0.001
20–24 v. 25–29 (7)		0.94 (0.71–1.23)	< 0.001
30–34 v. 25–29 (7)		1.27 (1.11–1.44)	0.03
35+ <i>v.</i> 25–29 (7)		1.42 (1.17–1.72)	0.002
40+ <i>v</i> . 25–29 (3)		1.43 (1.05–1.96)	0.63
<20 v. 20–34 (6)		0.68 (0.39–1.20)	< 0.001
35+ v. 20–34 (5)		1.53 (1.32–1.77)	0.11
<20 or >30 (6)		1.43 (1.30–1.57)	0.27
30+ <i>v.</i> <30 (7)		1.73 (1.36–2.19)	< 0.001
35+ <i>V.</i> <35 (7)		1.60 (1.32–1.95)	< 0.001
40+ <i>v</i> . <30 (4)		2.06 (1.48–2.86)	0.92
	4 mull		0.92
Paternal age (9)	4 null	Trend $P = 0.004$	
	4 significant positive*		
5	1 significant negative*	101/101/100	0.40
5-year increase (4)		1.04 (1.01–1.06)	0.12
<25 v. 25–29 (3)		0.74 (0.59–0.92)	0.49
30–34 v. 25–29 (3)		1.07 (0.94–1.21)	0.85
35+ v. 25–29 (3)		1.34 (1.16–1.54)	0.74
40+ v. 25–29 (2)		1.44 (1.17–1.77)	0.70
30–39 v. <30 (3)		1.24 (1.09–1.41)	0.55
40+ <i>v.</i> <30 (2)		3.10 (0.95–9.49)	0.01
Mother born in another country (5)	1 null	1.28 (0.99-1.65)	< 0.001
	3 significant positive*		
	1 significant negative*		
Nordic studies (3)		1.58 (1.14-2.19)	0.05
Maternal obstetrical history			
Previous fetal loss (abortion, miscarriage, stillbirth) (13)	8 null	1.11 (0.75–1.64)	0.26
	5 significant positive*	, , , , , , , , , , , , , , , , , , , ,	
Birth order/parity/gravidity (20)	11 null	Trend $P = 0.18$	
	6 mixed ^c		
	1 significant positive*		
	2 significant negative*		
1 pregnancy increase (8)	2 Significant negative	0.95 (0.89–1.02)	< 0.001
1 bregnancy increase (8) 1st v. not 1st (11)		1.14 (0.97–1.35)	
			<0.001
1st v. 2nd (4)		1.20 (0.85–1.71)	< 0.001
1st v. 2nd or 3rd (6)		1.20 (0.90–1.59)	<0.001
1st v. 3rd+ (4)		1.61 (1.42–1.82)	0.27
1st v. 4th+ (6)		0.95 (0.63–1.42)	< 0.001
1st or 4th <i>v.</i> 2nd or 3rd (5)		1.20 (0.95–1.52)	< 0.01
4th v. 2nd or 3rd (5)		1.02 (0.79–1.32)	0.19
Maternal illness during pregnancy			
Proteinuria/albuminuria (3)	3 null	0.77 (0.34-1.73)	0.85
Anaemia (4)	4 null	0.54 (0.14–2.15)	0.26
Diabetes (6)	5 null	2.07 (1.24–3.47)	0.96
• •	1 significant positive*		
infections (15)	10 null	1.18 (0.76–1.83)	0.09
intectors (19)	4 significant positive*	(2 2	
	1 significant negative*		
Rubella (3)	1 old illiodate Hodativo	1.66 (0.84–3.29)	0.92
Vaginal infections (2)		0.49 (0.22–1.09)	0.72
Fever (4)	3 null	· ·	0.36
EVEI (4)		1.24 (0.76–2.04)	0.27
Nausea/vomiting (6)	1 significant positive*	1.1/ /0 / 5 0.00	0.05
	5 null	1.16 (0.65–2.09)	0.05
	1 significant negative*		
Any illness during pregnancy (5)	4 null	1.23 (0.93–1.62)	0.67
	1 significant positive*		
Physical injury/accident (4)	3 null	3.24 (0.70–15.03)	0.99
	1 significant positive*		

(continued)

Prenatal factors (study n)	Results across studies ^a	Summary effect estimate (95% CI) ^b	Heterogeneity P
Medical treatment during pregnancy			
Medication use (15)	10 null	1.46 (1.08–1.96)	0.15
	5 significant positive*		
Anti-epileptic/anticonvulsant drug use (2)	2 null	1.87 (0.65–5.37)	0.28
Psychoactive or antidepressant drug use (2)	1 marginally significant positive** 1 null	1.68 (1.09–2.60)	0.34
Prenatal visits (2)	2 null	0.60 (0.17-2.14)	0.18
Bleeding and toxaemia			
Bleeding (19)	12 null	1.81 (1.14–2.86)	< 0.001
	6 significant positive*		
	1 marginally significant positive**		
First trimester (2)		1.16 (0.45–3.01)	0.38
Second trimester (2)		0.91 (0.25–3.34)	0.36
Third trimester (2)		0.48 (0.10–2.18)	0.78
Toxaemia/pre-eclampsia, hypertension, swelling (25)	21 null 2 significant positive* 2 significant negative*	1.01 (0.80–1.27)	0.07
Placental abnormalities (8)	7 null 1 significant positive*	1.40 (0.93–2.12)	0.40
Placenta praevia (2)		1.04 (0.21-5.22)	0.29
Placenta abruptio (2)		0.90 (0.39-2.08)	0.81
Placental infarcts (2)		1.49 (0.78–2.83)	0.59
Other			
High maternal weight gain during pregnancy (5)	3 null 1 significant positive* 1 marginally significant negative**	0.90 (0.49–1.63)	0.03
Smoking during pregnancy (6)	4 null 1 significant positive* 1 significant negative*	1.00 (0.75–1.36)	0.05
Threatened abortion (3)	1 null 2 significant positive*	1.13 (0.12–10.95)	0.12
1+ prenatal complications (2)	1 null 1 significant positive*	1.17 (0.71–1.92)	0.02

b. Total number of studies included in the Theta-analysis. 40. c. 'Mixed' indicates significant findings with a mixed trend (e.g. elevated risk among those born first or third or later). *P < 0.05, **0.10 < P < 0.05.