

## Supplementary data to: Pregnancy outcomes in women with pre-existing thyroid diseases: a french cohort study

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## SUPPLEMENTARY DATA.

### PREGNANCY OUTCOMES IN WOMEN WITH PRE-EXISTING THYROID DISEASES: A FRENCH COHORT STUDY

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Supplementary Table 1.	Outcomes for women with and without pre-pregnancy thyroid diseases.
Supplementary Table 2.	Comparison of outcomes for women without pre-pregnancy thyroid diseases and with pre-pregnancy hypothyroidism (hyperthyroidism or unspecified thyroid diseases excluded).

Table 1: Outcomes for women with and without pre-pregnancy thyroid diseases.

<b>Fertility and pregnancy complications</b>	<b>N</b>	<b>No pre-pregnancy thyroid diseases (N=16122)</b>	<b>Pre-pregnancy thyroid diseases (N=273)</b>	<b>P-value</b>
<b>Infertility treatment</b>	16230	7.0 (1124)	11.7 (31)	0.004
<b>Gestational diabetes</b>	15826	7.5 (1165)	11.9 (32)	0.006
<b>Gestational age at birth (amenorrhea weeks)</b>	16302	39.6 ± 1.4	39.7 ± 1.3	0.73
<b>Hospitalization during pregnancy</b>	16301	15.3 (2455)	18.8 (51)	0.12
<b>Induction of labor</b>	16277			0.32
Spontaneous labor		72.1 (11535)	68.8 (187)	
Induction		19.3 (3084)	20.2 (55)	
Pre-labor caesarean section		8.7 (1386)	11.0 (30)	
<b>Mode of delivery</b>	16154			0.45
Vaginal delivery		69.7 (11073)	66.8 (181)	
Assisted delivery*		12.9 (2041)	12.9 (35)	
Caesarean section		17.4 (2769)	20.3 (55)	
<b>Premature rupture of membranes</b>	16067	9.8 (1553)	12.3 (33)	0.18
<b>Birth weight (g)</b>	16198	3334.8 ± 478.4	3376 ± 460.3	0.16
<b>Birth length (cm)</b>	14967	49.6 ± 2.1	49.9 ± 2.0	0.05
<b>Head circumference (cm)</b>	14875	34.4 ± 1.4	34.4 ± 1.4	0.96
<b>Birth weight categories**</b>	15926			0.68
SGA		9.3 (1459)	7.8 (21)	
AGA		80.8 (12646)	81.9 (221)	
LGA		9.9 (1551)	10.4 (28)	

Data are n (%) or mean ± SD.

\* Assisted delivery: forceps, spatulas, vacuum

\*\*A customized standard to assess fetal growth: SGA, small for gestational age (< 10<sup>th</sup> percentile); AGA, appropriate for gestational age (10<sup>th</sup> to 90<sup>th</sup> percentile); LGA, large gestational weight (>90<sup>th</sup> percentile)

Table 2: Comparison of outcomes for women without pre-pregnancy thyroid diseases and with pre-pregnancy hypothyroidism (hyperthyroidism or unspecified thyroid diseases excluded)

<b>Fertility and pregnancy complications</b>	<b>N</b>	<b>No Pre-pregnancy thyroid diseases (N=16122)</b>	<b>Pre-pregnancy hypothyroidism (N=196)</b>	<b>P-value</b>	<b>Adjusted model 2</b>
<b>Infertility treatment</b>	16155	7.0 (1124)	12.0 (23)	<b>0.007</b>	1.55 [0.99-2.43]
<b>Gestational diabetes</b>	15752	7.5 (1165)	12.4 (24)	<b>0.010</b>	1.24 [0.78-1.95]
<b>Gestational age at birth (amenorrhea weeks)</b>	16225	39.6 ± 1.4	39.6 ± 1.3	0.87	-0.04 [-0.24 ;0.16]
<b>Hospitalization during pregnancy</b>	16225	15.3 (2455)	16.3 (32)	0.70	1.10 [0.75-1.61]
<b>Induction of labor</b>	16201			0.31	
Spontaneous labor		72.1 (11535)	69.4 (136)		ref
Induction		19.3 (3084)	18.9 (37)		0.90 [0.62-1.30]
Prelabor caesarean section		8.7 (1386)	11.7 (23)		1.11 [0.70-1.75]
<b>Mode of delivery</b>	16078			0.21	
Vaginal delivery		69.7 (11073)	64.6 (126)		ref
Assisted delivery*		12.9 (2041)	13.3 (26)		1.11 [0.71-1.72]
Caesarean section		17.4 (2769)	22.1 (43)		1.12 [0.78-1.60]
<b>Premature rupture of membranes</b>	15991	9.8 (1553)	14.5 (28)	<b>0.030</b>	1.49 [0.99-2.27]
<b>Birth weight (g)</b>	16121	3334.8 ± 478.4	3366.8 ± 467.8	0.35	-0.20 [-55.9;55.5]
<b>Birth length (cm)</b>	14897	49.6 ± 2.1	49.8 ± 2.1	0.34	0.02 [-0.25;0.29]
<b>Head circumference (cm)</b>	14806	34.4 ± 1.4	34.3 ± 1.4	0.34	<b>-0.20 [-0.39;-0.01]</b>
<b>Birth weight categories**</b>	15851			0.86	
SGA		9.3 (1459)	8.2 (16)		NA
AGA		80.8 (12646)	81.5 (159)		
LGA		9.9 (1551)	10.3 (20)		

Model 2: adjusted on maternal education level, maternal age, parity, smoking during pregnancy, BMI and infant sex and gestational age for head circumference, birth weight and length.

\* Assisted delivery: forceps, spatulas, vacuum

\*\* A customized standard to assess fetal growth: SGA, small for gestational age (< 10<sup>th</sup> percentile); AGA, appropriate for gestational age (10<sup>th</sup> to 90<sup>th</sup> percentile); LGA, large gestational weight (>90<sup>th</sup> percentile).