

**Supplement 1. Effect of prepregnancy BMI on systolic and diastolic blood pressure during pregnancy (twin pregnancies were excluded)**

		<b>Coefficient</b>	<b>95% CI</b>	<b>p-value</b>
<b>Systolic blood pressure</b>	Crude model	0.32	0.24, 0.40	<0.01
	Adjusted model <sup>a</sup>	0.25	0.17, 0.34	<0.01
	Explanatory model <sup>b</sup>	0.34	0.22, 0.46	<0.01
<b>Diastolic blood pressure</b>	Crude model	0.22	0.17, 0.28	<0.01
	Adjusted model <sup>a</sup>	0.19	0.13, 0.24	<0.01
	Explanatory model <sup>b</sup>	0.20	0.12, 0.28	<0.01

BMI, body mass index; CI, confidence interval

Results are expressed as mixed model coefficients of systolic and diastolic blood pressure in mmHg for every 1 kg/m<sup>2</sup> increase in pre-pregnancy BMI.

<sup>a</sup>Adjusted for maternal age, parity, secondhand smoking exposure, and socio-economic status (monthly family income)

<sup>b</sup>As <sup>a</sup> and for total pregnancy weight gain (difference between maternal weight measured at the day of delivery from the prepregnancy weight)

**Supplement 2. Effect of prepregnancy BMI on systolic and diastolic blood pressure during pregnancy, within women with two or more blood pressure measurements during pregnancy (n=1,622)**

		<b>Coefficient</b>	<b>95% CI</b>	<b>p-value</b>
<b>Systolic blood pressure</b>	Crude model	0.34	0.25, 0.42	<0.01
	Adjusted model <sup>a</sup>	0.29	0.20, 0.37	<0.01
	Explanatory model <sup>b</sup>	0.35	0.23, 0.47	<0.01
<b>Diastolic blood pressure</b>	Crude model	0.22	0.16, 0.28	<0.01
	Adjusted model <sup>a</sup>	0.19	0.13, 0.25	<0.01
	Explanatory model <sup>b</sup>	0.20	0.12, 0.28	<0.01

BMI, body mass index; CI, confidence interval

Results are expressed as mixed model coefficients of systolic and diastolic blood pressure in mmHg for every 1 kg/m<sup>2</sup> increase in pre-pregnancy BMI.

<sup>a</sup>Adjusted for maternal age, parity, secondhand smoking exposure, and socio-economic status (monthly family income)

<sup>b</sup>As <sup>a</sup> and for total gestational weight gain (difference between maternal weight measured at the day of delivery from the prepregnancy weight)

**Supplement 3. Effect of prepregnancy BMI on systolic and diastolic blood pressure during pregnancy, within women with three or more blood pressure measurements during pregnancy (n=1,178)**

		<b>Coefficient</b>	<b>95% CI</b>	<b>p-value</b>
<b>Systolic blood pressure</b>	Crude model	0.31	0.22, 0.40	<0.01
	Adjusted model <sup>a</sup>	0.26	0.17, 0.36	<0.01
	Explanatory model <sup>b</sup>	0.32	0.21, 0.44	<0.01
<b>Diastolic blood pressure</b>	Crude model	0.20	0.14, 0.26	<0.01
	Adjusted model <sup>a</sup>	0.18	0.12, 0.24	<0.01
	Explanatory model <sup>b</sup>	0.18	0.11, 0.26	<0.01

BMI, body mass index; CI, confidence interval

Results are expressed as mixed model coefficients of systolic and diastolic blood pressure in mmHg for every 1 kg/m<sup>2</sup> increase in pre-pregnancy BMI.

<sup>a</sup>Adjusted for maternal age, parity, secondhand smoking exposure, and socio-economic status (monthly family income)

<sup>b</sup>As <sup>a</sup> and for total gestational weight gain (difference between maternal weight measured at the day of delivery from the prepregnancy weight)

**Supplement 4. Effect of prepregnancy BMI on systolic and diastolic blood pressure during pregnancy, within women with four or more blood pressure measurements during pregnancy (n=669)**

		<b>Coefficient</b>	<b>95% CI</b>	<b>p-value</b>
<b>Systolic blood pressure</b>	Crude model	0.24	0.14, 0.35	<0.01
	Adjusted model <sup>a</sup>	0.21	0.09, 0.32	<0.01
	Explanatory model <sup>b</sup>	0.30	0.17, 0.44	<0.01
<b>Diastolic blood pressure</b>	Crude model	0.15	0.07, 0.22	<0.01
	Adjusted model <sup>a</sup>	0.13	0.05, 0.20	<0.01
	Explanatory model <sup>b</sup>	0.15	0.06, 0.24	<0.01

BMI, body mass index; CI, confidence interval

Results are expressed as mixed model coefficients of systolic and diastolic blood pressure in mmHg for every 1 kg/m<sup>2</sup> increase in pre-pregnancy BMI.

<sup>a</sup>Adjusted for maternal age, parity, secondhand smoking exposure, and socio-economic status (monthly family income)

<sup>b</sup>As <sup>a</sup> and for total gestational weight gain (difference between maternal weight measured at the day of delivery from the prepregnancy weight)

**Supplement 5. Effect of prepregnancy BMI on the risk for developing gestational hypertension and preeclampsia, within women with two or more blood pressure measurements during pregnancy (n=1,622)**

		<b>OR</b>	<b>95% CI</b>	<b>p-value</b>
<b>Gestational hypertension</b>	Crude model	1.08	1.07, 1.08	<0.01
	Adjusted model <sup>a</sup>	1.06	1.05, 1.07	<0.01
	Explanatory model <sup>b</sup>	1.10	1.08, 1.11	<0.01
<b>Preeclampsia</b>	Crude model	1.11	1.10, 1.12	<0.01
	Adjusted model <sup>a</sup>	1.11	1.09, 1.12	<0.01
	Explanatory model <sup>b</sup>	1.19	1.17, 1.21	<0.01

BMI, body mass index; CI, confidence interval; OR, odds ratio

Results are expressed as OR (95% CI) for every 1 kg/m<sup>2</sup> increase in pre-pregnancy BMI from (multiple) logistic regression.

<sup>a</sup>Adjusted for maternal age, parity, secondhand smoking exposure, and socio-economic status (monthly family income)

<sup>b</sup>As <sup>a</sup> and for total gestational weight gain (difference between maternal weight measured at the day of delivery from the prepregnancy weight)

**Supplement 6. Effect of prepregnancy BMI on the risk for developing gestational hypertension and preeclampsia, within women with three or more blood pressure measurements during pregnancy (n=1,178)**

		<b>OR</b>	<b>95% CI</b>	<b>p-value</b>
<b>Gestational hypertension</b>	Crude model	1.09	1.08, 1.10	<0.01
	Adjusted model <sup>a</sup>	1.08	1.07, 1.09	<0.01
	Explanatory model <sup>b</sup>	1.11	1.10, 1.12	<0.01
<b>Preeclampsia</b>	Crude model	1.13	1.12, 1.14	<0.01
	Adjusted model <sup>a</sup>	1.13	1.02, 1.15	<0.01
	Explanatory model <sup>b</sup>	1.21	1.19, 1.24	<0.01

BMI, body mass index; CI, confidence interval; OR, odds ratio

Results are expressed as OR (95% CI) for every 1 kg/m<sup>2</sup> increase in pre-pregnancy BMI from (multiple) logistic regression.

<sup>a</sup>Adjusted for maternal age, parity, secondhand smoking exposure, and socio-economic status (monthly family income)

<sup>b</sup>As <sup>a</sup> and for total gestational weight gain (difference between maternal weight measured at the day of delivery from the prepregnancy weight)

**Supplement 7. Effect of prepregnancy BMI on the risk for developing gestational hypertension and preeclampsia, within women with four or more blood pressure measurements during pregnancy (n=669)**

		<b>OR</b>	<b>95% CI</b>	<b>p-value</b>
<b>Gestational hypertension</b>	Crude model	1.08	1.06, 1.09	<0.01
	Adjusted model <sup>a</sup>	1.06	1.04, 1.07	<0.01
	Explanatory model <sup>b</sup>	1.09	1.07, 1.10	<0.01
<b>Preeclampsia</b>	Crude model	1.13	1.11, 1.15	<0.01
	Adjusted model <sup>a</sup>	1.14	1.11, 1.16	<0.01
	Explanatory model <sup>b</sup>	1.19	1.16, 1.23	<0.01

BMI, body mass index; CI, confidence interval; OR, odds ratio

Results are expressed as OR (95% CI) for every 1 kg/m<sup>2</sup> increase in pre-pregnancy BMI from (multiple) logistic regression.

<sup>a</sup>Adjusted for maternal age, parity, secondhand smoking exposure, and socio-economic status (monthly family income)

<sup>b</sup>As <sup>a</sup> and for total gestational weight gain (difference between maternal weight measured at the day of delivery from the prepregnancy weight)

**Supplement 8. Effect of prepregnancy BMI on systolic and diastolic blood pressure during pregnancy, within women with two or more blood pressure measurements during pregnancy and were not diagnosed with gestational hypertension or preeclampsia (n=1,392)**

		<b>Coefficient</b>	<b>95% CI</b>	<b>p-value</b>
<b>Systolic blood pressure</b>	Crude model	0.24	0.16, 0.32	<0.01
	Adjusted model <sup>a</sup>	0.20	0.11, 0.29	<0.01
	Explanatory model <sup>b</sup>	0.26	0.15, 0.37	<0.01
<b>Diastolic blood pressure</b>	Crude model	0.16	0.10, 0.21	<0.01
	Adjusted model <sup>a</sup>	0.14	0.08, 0.20	<0.01
	Explanatory model <sup>b</sup>	0.15	0.07, 0.23	<0.01

BMI, body mass index; CI, confidence interval

Results are expressed as mixed model coefficients of systolic and diastolic blood pressure in mmHg for every 1 kg/m<sup>2</sup> increase in pre-pregnancy BMI.

<sup>a</sup>Adjusted for maternal age, parity, secondhand smoking exposure, and socio-economic status (monthly family income)

<sup>b</sup>As <sup>a</sup> and for total gestational weight gain (difference between maternal weight measured at the day of delivery from the prepregnancy weight)