TABLE S2. "Minimally-adjusted" estimated coefficients and 95% confidence interval for the association between covariates and size and velocity parameters by cohorts

	GXXI (n = 738)								NINFEA (n = 2,925)								GOCS (n = 959)							
	Adjusted for gender				Adjusted for gender & gestational age				Adjusted by gender				Adjusted for gender & gestational age				Adjusted for gender				Adjusted for gender & gestational age			
	Size		Velocity		Size		Velocity		Size		Velocity		Size		Velocity		Size		Velocity		Size		Velocity	
	%	95%CI	%	95%CI	%	95%CI	%	95%CI	%	95%CI	%	95%CI	%	95%CI	%	95%CI	%	95%CI	%	95%CI	%	95%CI	%	95%CI
Background																								
Maternal height	0.4	0.2; 0.6	0.02	-0.4; 0.4	0.4	0.2; 0.5	0.1	-0.3; 0.5	0.4	0.4; 0.5	0.1	-0.2; 0.1	0.4	0.3; 0.5	0.02	-0.2; 0.2	0.3	0.2; 0.4	-0.1	-0.4; 0.2	0.3	0.2; 0.4	-0.1	-0.4; 0.2
Maternal age	-0.01	-0.2; 0.2	0.3	-0.1; 0.8	0.1	-0.1; 0.2	0.2	-0.2; 0.6	-0.1	-0.2; 0.1	0.1	-0.2; 0.3	0.1	-0.02; 0.2	-0.2	-0.5; 0.04	0.1	0.00; 0.2	-0.2	-0.5; 0.04	0.2	0.1; 0.3	-0.3	-0.6; - 0.1
Maternal parity [a]																								
Nulliparous	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--
Parous	3.5	1.2; 5.7	-2.9	-7.9; 1.9	3.2	1.2; 5.1	-2.4	-6.9; 2.0	1.2	0.02; 2.3	-1.6	-4.4; 1.1	3.0	2.0; 4.0	-5.7	-8.2; -3.2	1.6	0.2; 3.1	-3.6	-7.1; -0.1	2.3	0.9; 3.7	-4.9	-8.3; -1.6
Maternal education [b]																								
Low	0-	--	0	--	0	--	0	--	0.9	-1.5; 3.3	-1.6	-7.1; 4.0	-1.3	-3.5; 0.9	2.5	-3.0; 7.9	0.4	-1.2; 2.1	-4.2	-8.1; -0.2	0.3	-1.3; 1.9	-3.7	-7.4; 0.08
Medium	2.7	0.0; 5.5	-1.9	-7.9; 4.1	3.4	1.0; 5.7	-2.7	-8.1; 2.7	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--
High	0.2	-2.4; 2.8	-0.8	-6.6; 4.9	1.8	-0.5; 4.1	-3.8	-8.9; 1.4	-0.2	-1.2; 0.9	-1.4	-3.9; 1.0	-0.4	-1.4; 0.6	-1.1	-3.5; 1.3	-0.7	-2.7; 1.2	-0.9	-5.6; 3.8	-0.9	-2.7; 1.0	-0.6	-5.0; 3.9
Intermediate																								
Pre-pregnancy BMI																								
<18.5	-7.6	-13.2; -2.1	8.8	-3.5; 21.1	-4.4	-9.2; 0.5	2.5	-8.6; 13.6	-4.6	-6.4; -2.8	5.3	1.0; 9.6	-5.2	-6.9; -3.6	6.8	2.6; 10.9	-4.1	-7.9; -0.3	-4.8	-13.9; 4.4	-3.6	-7.2; 1.0	-5.9	-14.7; 2.8
18.5-24.99	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--
25+	4.3	1.8; 6.8	-0.3	-5.8; 5.2	3.4	1.2; 5.6	1.1	-3.8; 6.1	2.5	1.2; 3.8	-3.0	-6.0; 0.01	2.1	0.9; 3.2	-1.9	-4.9; 0.9	1.6	-0.1; 3.4	-0.7	-5.0; 3.5	1.8	0.1; 3.5	-1.4	-5.4; 2.6
Maternal Smoking [c]																								
No	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--
≤1st trimester	-4.1	-8.3; 0.1	5.9	-3.3; 15.1	-3.1	-6.7; 0.5	4.1	-4.1; 12.3	0.6	-3.2; 4.4	4.1	-4.8; 13.0	0.8	-2.7; 4.3	3.4	-5.2; 12.0	-1.7	-4.2; 0.9	-0.5	-6.5; 5.6	-0.9	-3.3; 1.5	-3.1	-8.9; 2.7
>1st trimester	-3.3	-6.5; -0.04	11.6	4.4; 18.7	-4.1	-6.8; -1.3	12.8	6.4; 19.1	-2.1	-4.1; -0.1	6.1	1.3; 10.9	-2.9	-4.8; -1.1	8.2	3.6; 12.9								
Gestational diabetes																								
No	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--
Yes	1.4	-2.9; 5.8	-0.8	-10.5; 8.9	0.9	-3.0; 4.7	0.5	-8.2; 9.3	0.4	-1.5; 2.3	-1.9	-6.2; 2.5	1.3	-0.4; 3.1	-3.7	-8.0; 0.5	2.4	-0.9; 5.7	-1.9	-9.9; 5.9	3.1	-0.1; 6.2	-3.7	-11.3; 3.4
Gestational hypertension																								
No	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--	0	--
Yes	-8.3	-13.7; -2.9	19.4	7.6; 31.3	-3.0	-7.8; 1.9	9.7	-1.2; 20.6	-5.4	-7.3; -3.6	12.4	8.1; 16.7	-3.1	-4.7; -1.5	8.2	4.3; 12.1	0.7	-1.8; 3.2	0.6	-5.3; 6.5	1.5	-0.8; 3.9	-1.2	-6.9; 4.4

[a] In GOCS child order was used as a proxy for parity

[b] GXXI: Low=≤9 years, Medium=≤12 years, High=Degree or higher; NINFEA: Low= ≤Secondary school, Medium=High school, High=Degree or higher ; GOCS: Low= None/Primary/Secondary school, Medium=High school, High=High School + technical education or higher

[c] In GOCS smoking during pregnancy was categorized as No/Rarely vs. Frequently