

SUPPLEMENTAL DIGITAL CONTENT

Table A Estimates of the regression analysis of gestational age

	EFPTS, Belgium						NTR, the Netherlands			
	All 1964-2007		Spontaneous 1964-2007		All 1984-2007		All 1990-2006		Spontaneous 1990-2006	
	beta	p	beta	p	beta	p	beta	p	beta	p
Intercept	152.252	<0.0001	156.724	<0.0001	108.555	<0.0001	38.631	<0.0001	39.287	<0.0001
Year of birth	-0.059	<0.0001	-0.060	<0.0001	-0.037	<0.0001	-0.030	<0.0001	-0.035	<0.0001
Maternal age	0.023	0.0050	-	NS	0.038	<0.0001	0.029	<0.0001	0.025	<0.0001
Primiparity	-0.235	0.0013	-0.368	<0.0001	-0.211	0.0095	-0.732	<0.0001	-0.820	<0.0001
Vaginal delivery	-63.857	<0.0001	-72.424	<0.0001	0.274	0.0006	0.027	NS	0.054	NS
ART	-0.542	<0.0001	-	-	-0.537	<0.0001	-0.210	<0.0001	-	-
DZ	0.386	<0.0001	0.393	<0.0001	0.470	<0.0001	0.481	<0.0001	0.480	<0.0001
Dichorionicity	-	NS	-	NS	-	NS				
Interaction:										
Year of birth *Vaginal delivery	0.032	<0.0001	0.036	<0.0001						

EFPTS= East Flanders Prospective Twin Survey, NTR= Netherlands Twin Register, All= all pregnancies, Spontaneous= naturally conceived pregnancies, ART= artificially reproductive techniques, DZ=dizygotic

Table B1 Estimates and accompanied intra class correlation coefficients of the multilevel analysis of birth weight without gestational age in the model

	EFPTS, Belgium						NTR, the Netherlands			
	All 1964-2007		Spontaneous 1964-2007		All 1984-2007		All 1990-2006		Spontaneous 1990-2006	
	beta	p	beta	p	beta	p	beta	p	beta	p
Intercept	5938.62	<0.0001	5249.82	<0.0001	5134.35	0.0358	2455.53	<0.0001	2806.0	<0.0001
Year of birth	-1.8232	0.0015	-1.4640	0.0147	-1.4603	0.2341	5.9496	0.1380	-3.1943	0.0023
Maternal age	4.9978	0.001	4.2599	0.0156	6.8841	0.0002	2.8730	<0.0001	1.6137	0.2157
Primiparity	-154.88	<0.0001	-171.43	<0.0001	-143.84	<0.0001	-260.48	<0.0001	-278.71	<0.0001
Vaginal delivery	-	NS	-	NS	51.0406	0.0009	8.9355	0.3401	17.281	0.1277
ART	-85.2196	<0.0001	-	-	-92.777	<0.0001	-56.1203	<0.0001	-	-
DZ	76.316	0.0006	77.5619	0.0006	124.95	<0.0001	133.80	<0.0001	137.68	<0.0001
Dichorionicity	60.6261	0.01	61.7753	0.01	-	NS				
Interaction:										
Year of birth *ART							-9.4085	<0.0001		
	MZ	DZ	MZ	DZ	MZ	DZ	MZ	DZ	MZ	DZ
Intra Class Correlation	0.77	0.69	0.73	0.68	0.76	0.68	0.76	0.67	0.76	0.67

EFPTS= East Flanders Prospective Twin Survey, NTR= Netherlands Twin Register, All= all pregnancies, Spontaneous= naturally conceived pregnancies, ART= artificially reproductive techniques, DZ=dizygotic

Table B2 Estimates and accompanied intra class correlation coefficients of the multilevel analysis of birth weight with gestational age in the model

	EFPTS, Belgium						NTR, the Netherlands			
	All 1964-2007		Spontaneous 1964-2007		All 1984-2007		All 1990-2006		Spontaneous 1990-2006	
	beta	p	beta	p	beta	p	beta	p	beta	p
Intercept	443180	0.0004	456883	0.002	60348	0.0012	2589	<0.0001	2607	<0.0001
Year of birth	-409.71	0.001	-425.05	0.004	-31.69	0.0007	7.835	0.016	2.319	<0.0001
Maternal age	-	NS	-	NS	-	NS	-1.799	<0.0001	-2.178	<0.0001
Primiparity	-127.48	<0.0001	-4893.06	0.003	-116.67	<0.0001	-145.86	<0.0001	-151.06	<0.0001
Vaginal delivery	-	NS	-	NS	-	NS	5.665	0.3323	9.655	0.1575
ART	-	NS	-	-	-	NS	-20.592	<0.0001	-	-
DZ	30.2342	0.02	30.5069	0.04	50.05	<0.0001	58.597	<0.0001	63.215	<0.0001
Dichorionicity	4233.92	0.01	56.5675	0.0003	-	NS				
Gestation	-2236.14	<0.0001	-2021.94	<0.0001	-1834	0.0004	156.56	<0.0001	155.24	<0.0001
Year of birth*year of birth	0.0933	0.003	0.0976	0.007	-	NS				
Interaction:										
Year of birth *Gestation	1.1946	<0.0001	1.086	<0.0001	0.993	<0.0001	1.391	<0.0001	1.436	<0.0001
Year of birth *Primiparity			2.3946	0.003						
Year of birth *Dichorionicity	-2.1030	0.01								
Year of birth *ART							-5.641	<0.0001		

	MZ	DZ	MZ	DZ	MZ	DZ		MZ	DZ	MZ	DZ
Intra Class Correlation	0.52	0.39	0.46	0.43	0.46	0.38		0.45	0.32	0.45	0.35

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