

Fatty Acid Desaturation Index: Association with Newborn Outcomes

	Meta-Analysis				Afro-Caribbean				Northern European				Mexican American				Thai			
C-Peptide	Model 1		Model 2		Model 1		Model 2		Model 1		Model 2		Model 1		Model 2		Model 1		Model 2	
	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p
Palmitoleic Acid:Palmitate	-0.073	7.1E-05	-0.067	1.6E-04	-0.10	3.0E-04	-0.090	4.6E-04	-0.094	4.0E-03	-0.082	0.011	-0.018	0.52	-0.014	0.63	-0.086	7.7E-04	-0.080	1.5E-03
Oleic Acid:Stearic Acid	-0.074	5.2E-05	-0.068	3.4E-04	-0.13	2.4E-04	-0.12	3.2E-04	-0.056	0.081	-0.048	0.12	-0.030	0.44	-0.021	0.59	-0.074	9.8E-03	-0.073	0.010
Birth Weight	Model 1		Model 3		Model 1		Model 3		Model 1		Model 3		Model 1		Model 3		Model 1		Model 3	
	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p
Palmitoleic Acid:Palmitate	-11.20	0.38	4.76	0.71	15.39	0.46	34.89	0.087	-37.37	0.19	-10.28	0.71	2.94	0.89	11.54	0.57	-30.94	0.086	-17.85	0.31
Oleic Acid:Stearic Acid	-2.67	0.83	12.21	0.32	11.46	0.66	33.82	0.19	9.36	0.73	25.51	0.32	-23.39	0.44	-13.46	0.64	-8.80	0.67	4.02	0.84
Sum of Skinfolde	Model 1		Model 3		Model 1		Model 3		Model 1		Model 3		Model 1		Model 3		Model 1		Model 3	
	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p	Beta	p
Palmitoleic Acid:Palmitate	-0.071	0.43	0.017	0.85	0.087	0.30	0.17	0.033	-0.25	0.12	-0.11	0.49	0.020	0.89	0.067	0.65	-0.21	0.064	-0.14	0.22
Oleic Acid:Stearic Acid	-0.050	0.56	0.021	0.82	0.088	0.40	0.18	0.072	-0.29	0.056	-0.21	0.16	0.031	0.88	0.073	0.73	-0.070	0.57	-0.011	0.93

Analyses were adjusted for field center, mean arterial pressure, maternal age, newborn sex, sample storage time, mode of delivery, and gestational age at delivery (Model 1). Model 2 includes Model 1 covariates, maternal BMI and maternal fasting glucose. Model 3 includes Model 2 covariates and cord-blood C-peptide.