

**Table S4.** Associations between early-life exposures and timing of thelarche in the Sister Study cohort by race/ethnicity (N=47,883)<sup>a</sup>

	Non-Hispanic White (n=41,431)				Non-Hispanic African-American/Black (n=4106)				Hispanic/Latina (n=2346)				p- het <sup>d</sup>
	Early (≤10 years) <sup>b,c</sup>		Late (≥14 years) <sup>b,c</sup>		Early (≤10 years) <sup>b,c</sup>		Late (≥14 years) <sup>b,c</sup>		Early (≤10 years) <sup>b,c</sup>		Late (≥14 years) <sup>b,c</sup>		
	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	
<i>Maternal pregnancy characteristics</i>													
Diabetes													0.51
Any	1.08	0.79, 1.48	0.88	0.65, 1.20	1.81	1.03, 3.15	1.19	0.64, 2.21	1.41	0.65, 3.07	0.65	0.22, 1.88	
None	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Gestational hypertensive disorder													0.81
Any	1.24	1.07, 1.45	0.96	0.83, 1.12	1.17	0.82, 1.67	0.76	0.51, 1.14	1.20	0.70, 2.05	1.12	0.63, 1.98	
None	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
DES use													0.37
Yes	1.26	1.06, 1.50	1.08	0.91, 1.27	1.22	0.61, 2.47	0.61	0.25, 1.48	0.65	0.22, 1.89	0.54	0.16, 1.81	
No	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Smoking during pregnancy													0.60
Yes	1.20	1.13, 1.28	1.02	0.97, 1.08	1.13	0.93, 1.38	1.13	0.93, 1.37	1.35	1.03, 1.78	1.17	0.88, 1.56	
No	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Farm exposure													0.42
Work and residence	1.00	0.91, 1.10	0.92	0.84, 1.00	1.10	0.87, 1.39	1.04	0.84, 1.31	0.81	0.57, 3.26	1.12	0.81, 1.55	
Work only	1.07	0.81, 1.42	1.21	0.96, 1.53	0.91	0.52, 1.59	1.27	0.79, 2.06	1.55	0.67, 3.59	1.28	0.51, 3.26	
Residence only	1.02	0.88, 1.18	0.86	0.75, 0.98	0.53	0.29, 0.98	0.78	0.47, 1.29	0.73	0.42, 1.27	1.00	0.60, 1.66	
None	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Age at delivery													0.96
<20 years	1.36	1.18, 1.57	0.93	0.81, 1.07	1.16	0.86, 1.57	1.09	0.82, 1.45	1.07	0.68, 1.67	0.76	0.46, 1.27	
20-24 years	1.10	1.02, 1.20	0.96	0.89, 1.03	1.08	0.85, 1.37	1.06	0.85, 1.33	0.84	0.62, 1.15	0.95	0.69, 1.29	
25-29 years	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
30-34 years	0.95	0.88, 1.03	0.95	0.89, 1.02	1.03	0.80, 1.32	0.92	0.72, 1.17	0.82	0.59, 1.13	0.99	0.71, 1.37	
35-39 years	0.98	0.89, 1.08	0.93	0.85, 1.01	0.99	0.74, 1.31	0.98	0.75, 1.28	0.96	0.67, 1.38	0.97	0.67, 1.42	
≥40 years	0.96	0.83, 1.15	1.01	0.89, 1.15	0.92	0.63, 1.36	0.90	0.62, 1.31	0.88	0.55, 1.42	0.88	0.54, 1.45	
<i>Birth and infancy characteristics</i>													
Firstborn													0.16
Yes	1.28	1.19, 1.37	0.84	0.79, 0.90	1.04	0.83, 1.31	0.88	0.70, 1.10	0.96	0.71, 1.30	0.75	0.54, 1.04	
No	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Birthweight													0.06
<2500g	1.05	0.94, 1.18	1.13	1.02, 1.25	0.84	0.62, 1.13	1.19	0.91, 1.55	1.84	1.25, 2.70	1.14	0.73, 1.80	
2500g-3999g	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
≥4000g	0.97	0.86, 1.09	0.97	0.87, 1.07	1.19	0.81, 1.75	1.20	0.81, 1.75	1.52	0.95, 2.42	1.26	0.77, 2.08	
Multiple birth													0.21

Yes	0.80	0.66, 0.96	1.08	0.94, 1.25	1.38	0.91, 2.09	1.27	0.84, 1.92	1.12	0.56, 2.23	1.10	0.54, 2.24	
No	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Gestational age at birth													0.05
Born ≥1 month before due date	0.91	0.73, 1.13	1.15	0.96, 1.37	0.74	0.42, 1.32	0.77	0.44, 1.38	1.77	0.75, 4.21	2.93	1.35, 6.33	
Born 2-4 weeks before due date	1.08	0.94, 1.25	0.94	0.82, 1.07	0.50	0.25, 1.00	0.64	0.33, 1.26	2.08	0.90, 4.79	1.31	0.47, 3.64	
Not born ≥2 weeks before due date	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Ever breastfed													0.51
Yes	0.99	0.93, 1.05	0.96	0.91, 1.01	0.92	0.77, 1.11	0.81	0.68, 0.97	1.01	0.78, 1.31	0.88	0.68, 1.15	
No	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Ever fed soy formula													0.37
Yes	1.04	0.86, 1.26	1.04	0.87, 1.23	1.63	1.02, 2.60	1.35	0.83, 2.21	0.97	0.49, 1.91	1.41	0.75, 2.63	
No	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	

<sup>a</sup>Women with other racial/ethnic identities were excluded from analyses stratified by race/ethnicity due to small sample size

<sup>b</sup>Adjusted for birth cohort and childhood family income

<sup>c</sup>Referent group is thelarche at age 11-13 years

<sup>d</sup>P for heterogeneity calculated from a likelihood ratio test of nested models