

Table S5. Associations between early-life exposures and timing of thelarche in the Sister Study cohort by qualitative childhood family income (N=49,162)

	Well off (n=3137)				Middle income (n=29,359)				Low income (n=12,763)				Poor (n=3903)				p- het ^c
	Early (≤10 years) ^{a,b}		Late (≥14 years) ^{a,b}		Early (≤10 years) ^{a,b}		Late (≥14 years) ^{a,b}		Early (≤10 years) ^{a,b}		Late (≥14 years) ^{a,b}		Early (≤10 years) ^{a,b}		Late (≥14 years) ^{a,b}		
	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	OR	95% CI	
<i>Maternal pregnancy characteristics</i>																	
Diabetes																	0.25
Any	0.88	0.30, 2.64	1.03	0.71, 1.49	1.03	0.71, 1.49	0.66	0.44, 0.99	1.48	0.96, 2.28	1.38	0.93, 2.06	1.33	0.67, 2.66	0.95	0.47, 1.94	
None	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Gestational hypertensive disorder																	0.12
Any	0.71	0.36, 1.41	1.26	1.05, 1.50	1.26	1.05, 1.50	0.90	0.75, 1.08	1.30	1.00, 1.70	1.25	0.98, 1.58	1.42	0.95, 2.11	0.83	0.54, 1.28	
None	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
DES use																	0.23
Yes	0.63	0.31, 1.28	1.37	1.12, 1.67	1.37	1.12, 1.67	1.13	0.93, 1.37	1.06	0.71, 1.59	0.91	0.62, 1.32	1.19	0.65, 2.19	0.72	0.36, 1.44	
No	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Smoking during pregnancy																	0.55
Yes	1.26	1.02, 1.56	1.20	1.11, 1.29	1.20	1.11, 1.29	1.00	0.93, 1.07	1.17	1.04, 1.31	1.11	1.00, 1.23	1.31	1.06, 1.61	1.09	0.90, 1.32	
No	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Farm exposure																	0.60
Work and residence	0.90	0.51, 1.60	0.94	0.82, 1.08	0.94	0.82, 1.08	0.96	0.85, 1.09	1.09	0.95, 1.25	0.91	0.80, 1.03	0.93	0.75, 1.15	0.93	0.77, 1.12	
Work only	0.78	0.23, 2.65	1.31	0.95, 1.79	1.31	0.95, 1.79	1.30	0.98, 1.74	0.92	0.60, 1.41	1.14	0.81, 1.61	0.72	0.37, 1.43	1.05	0.62, 1.79	
Residence only	0.42	0.20, 0.89	1.05	0.88, 1.26	1.05	0.88, 1.26	0.87	0.73, 1.04	0.99	0.78, 1.26	0.91	0.73, 1.13	0.88	0.58, 1.34	0.79	0.54, 1.17	
None	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Age at delivery																	0.59
<20 years	2.59	1.29, 5.22	1.21	1.02, 1.44	1.21	1.02, 1.44	0.85	0.72, 1.02	1.30	1.05, 1.61	1.03	0.84, 1.26	1.60	1.13, 2.26	0.87	0.62, 1.22	
20-24 years	0.90	0.67, 1.22	1.09	1.00, 1.20	1.09	1.00, 1.20	0.97	0.89, 1.06	1.06	0.92, 1.23	0.97	0.86, 1.10	1.26	0.96, 1.63	0.93	0.74, 1.17	
25-29 years	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
30-34 years	0.92	0.71, 1.21	0.95	0.86, 1.04	0.95	0.86, 1.04	0.94	0.86, 1.04	0.92	0.79, 1.07	0.96	0.84, 1.09	1.08	0.82, 1.42	1.01	0.80, 1.27	
35-39 years	0.80	0.57, 1.11	1.03	0.92, 1.16	1.03	0.92, 1.16	0.96	0.86, 1.07	0.99	0.83, 1.18	0.99	0.85, 1.16	0.86	0.63, 1.17	0.72	0.55, 0.95	
≥40 years	0.83	0.49, 1.42	0.90	0.74, 1.08	0.90	0.74, 1.08	1.08	0.93, 1.26	1.07	0.85, 1.34	0.9	0.73, 1.12	0.93	0.62, 1.40	0.91	0.64, 1.29	
<i>Birth and infancy characteristics</i>																	
Firstborn																	0.59
Yes	1.07	0.83, 1.37	1.23	1.14, 1.33	1.23	1.14, 1.33	0.84	0.78, 0.90	1.29	1.14, 1.47	0.87	0.77, 0.98	1.50	1.18, 1.90	0.83	0.66, 1.06	

No	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Birthweight																	0.27
<2500g	0.86	0.59, 1.27	1.07	0.94, 1.22	1.07	0.94, 1.22	1.10	0.98, 1.24	1.10	0.91, 1.34	1.25	1.05, 1.49	0.98	0.68, 1.41	1.44	1.07, 1.92	
2500g-3999g	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
≥4000g	0.91	0.58, 1.42	0.96	0.83, 1.11	0.96	0.83, 1.11	0.93	0.82, 1.07	1.04	0.85, 1.27	1.10	0.92, 1.31	1.20	0.85, 1.69	0.89	0.64, 1.24	
Multiple birth																	0.04
Yes	0.41	0.19, 0.90	0.90	0.73, 1.11	0.90	0.73, 1.11	1.19	1.00, 1.41	0.90	0.67, 1.21	1.04	0.81, 1.33	1.01	0.59, 1.72	1.44	0.96, 2.17	
No	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Gestational age at birth																	0.27
Born ≥1 month before due date	0.54	0.21, 1.38	1.02	0.81, 1.29	1.02	0.81, 1.29	1.22	0.99, 1.49	0.86	0.56, 1.32	1.2	0.85, 1.69	0.54	0.24, 1.21	0.68	0.34, 1.37	
Born 2-4 weeks before due date	1.06	0.64, 1.76	1.02	0.86, 1.21	1.02	0.86, 1.21	0.89	0.75, 1.05	1.27	0.97, 1.67	0.90	0.68, 1.20	0.65	0.31, 1.35	1.44	0.86, 2.43	
Not born ≥2 weeks before due date	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Ever breastfed																	0.34
Yes	1.11	0.89, 1.38	0.99	0.92, 1.07	0.99	0.92, 1.07	0.98	0.92, 1.05	0.95	0.84, 1.06	0.91	0.82, 1.01	0.97	0.78, 1.19	0.86	0.72, 1.04	
No	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	
Ever fed soy formula																	0.02
Yes	0.65	0.33, 1.28	1.17	0.95, 1.44	1.17	0.95, 1.44	1.27	1.05, 1.52	0.93	0.64, 1.34	0.82	0.58, 1.17	1.70	1.00, 2.90	0.88	0.47, 1.63	
No	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	1	Ref	

^aAdjusted for birth cohort and race/ethnicity

^bReferent group is thelarche at age 11-13 years

^cP for heterogeneity calculated from a likelihood ratio test of nested models