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Research article

Paternal race/ethnicity and risk of adverse birth outcomes in the United States, 1989–2013

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Table S1. Demographic characteristics by maternal/paternal race/ethnicity combination groups.

Maternal characteristics	Maternal/Paternal race/ethnicity combination[1]																			
	WW	WB	WH	WA	WM	BW	BB	BH	BA	BM	HW	HB	HH	HA	HM	AW	AB	AH	AA	AM
	Column Percent																			
Age																				
< 20	6.0	13.9	12.6	5.2	27.1	10.5	13.4	17.2	10.4	28.4	7.5	16.7	13.5	10.8	27.0	2.1	8.1	10.0	2.5	16.6
20–29	51.4	60.4	56.6	45.1	56.4	54.2	56.1	58.5	54.1	56.4	50.8	60.4	57.6	54.1	54.7	34.5	52.1	50.4	43.7	53.6
30–39	40.3	24.1	29.0	46.3	15.2	32.5	28.5	22.8	32.7	14.3	39.1	21.7	27.1	33.1	17.0	58.2	36.7	36.9	50.7	26.9
≥ 40	2.3	1.6	1.8	3.5	1.3	2.7	2.0	1.5	2.8	1.0	2.7	1.3	1.8	2.1	1.3	5.3	3.0	2.8	3.1	2.8
Education																				
0–8 years	1.4	1.4	2.0	0.7	4.1	0.9	1.7	1.3	0.9	3.0	2.2	1.9	22.8	2.2	20.3	1.0	1.2	1.3	5.2	11.2
9–11 years	8.0	17.2	16.0	5.8	30.4	11.0	15.8	17.6	9.9	34.3	10.4	20.3	27.5	12.8	37.6	3.1	8.5	9.7	6.6	21.8
HS grad	29.5	37.7	34.2	22.6	40.6	30.9	37.9	35.6	30.1	41.3	30.6	37.6	29.2	35.5	28.9	17.8	32.6	30.2	21.1	36.2
Some college	26.2	28.2	27.0	26.0	19.4	33.0	28.6	31.9	34.1	18.1	30.2	29.5	14.0	29.2	10.9	24.0	32.3	30.5	18.7	19.0
College grad	22.4	9.9	13.0	24.9	3.6	14.8	10.5	9.0	15.3	2.5	16.6	7.3	4.2	12.7	1.6	31.3	17.3	18.9	27.1	7.9
More than college	12.5	5.5	7.8	20.1	1.9	9.5	5.5	4.6	9.7	0.9	10.0	3.5	2.2	7.6	0.7	22.7	8.2	9.5	21.3	3.9
Nativity																				
Native born	94.5	95.1	94.1	89.9	96.6	85.5	86.2	89.3	78.3	94.5	69.0	77.0	33.0	69.7	47.7	30.6	34.7	47.2	10.7	27.1
Foreign born	5.5	5.0	5.9	10.2	3.4	14.5	13.8	10.7	21.7	5.5	31.0	23.0	67.0	30.3	52.3	69.4	65.3	52.8	89.4	72.9
Marital status																				
Married	85.5	43.3	65.9	82.8	8.3	61.0	47.2	42.4	60.4	2.4	76.5	39.6	60.7	65.3	5.4	90.1	62.8	65.8	91.2	12.5
Unmarried	14.5	56.7	34.1	17.2	91.6	39.1	52.8	57.6	39.7	97.6	23.5	60.4	39.3	34.7	94.7	9.9	37.2	34.2	8.8	87.5
Parity																				
Nalliparous	41.2	42.3	42.3	45.2	54.0	44.3	36.8	43.7	44.0	41.1	43.4	42.4	34.2	42.8	45.6	49.5	44.7	47.1	45.3	52.7
Primaparous	34.7	30.8	31.6	32.9	24.4	30.9	30.8	29.2	31.0	26.8	33.2	29.7	30.8	31.8	25.0	33.7	30.8	31.1	35.7	25.1
Multiparous	24.1	26.9	26.1	21.9	21.6	24.8	32.5	27.1	25.0	32.1	23.4	27.9	35.0	25.4	29.4	16.8	24.5	21.8	19.0	22.3

[1]Note: In column headers, the first letter is for maternal race/ethnicity and the second letter is for paternal race/ethnicity. W=white; B=black; H=Hispanic; A=Asian and M=missing.

Table S2. Multivariate adjusted[1] predicted probabilities and 95% confidence intervals (95% CI) for preterm birth and small for gestational age, by maternal and paternal race/ethnicity.

Maternal race/ethnicity	Paternal race/ethnicity	PTB		SGA	
		Predicted probability	95% CI	Predicted probability	95% CI
NHW	NHW	0.08	0.05, 0.11	0.07	0.05, 0.12
	NHB	0.10	0.06, 0.13	0.09	0.07, 0.15
	Hispanic	0.09	0.05, 0.12	0.09	0.06, 0.14
	Asian	0.07	0.04, 0.10	0.10	0.07, 0.16
	Missing	0.11	0.07, 0.16	0.12	0.09, 0.19
NHB	NHW	0.12	0.07, 0.16	0.11	0.08, 0.18
	NHB	0.14	0.09, 0.19	0.13	0.10, 0.21
	Hispanic	0.13	0.08, 0.18	0.13	0.10, 0.21
	Asian	0.12	0.07, 0.16	0.14	0.10, 0.22
	Missing	0.17	0.11, 0.23	0.16	0.11, 0.25
Hispanic	NHW	0.09	0.05, 0.13	0.08	0.05, 0.13
	NHB	0.12	0.07, 0.16	0.10	0.07, 0.17
	Hispanic	0.10	0.06, 0.14	0.09	0.07, 0.15
	Asian	0.09	0.05, 0.13	0.11	0.08, 0.18
	Missing	0.12	0.08, 0.17	0.11	0.08, 0.18
Asian	NHW	0.10	0.06, 0.13	0.08	0.06, 0.14
	NHB	0.12	0.08, 0.17	0.11	0.08, 0.17
	Hispanic	0.12	0.07, 0.16	0.11	0.08, 0.18
	Asian	0.09	0.05, 0.12	0.14	0.10, 0.22
	Missing	0.14	0.08, 0.18	0.14	0.10, 0.22

[1]Note: Adjusted model includes fixed effect covariates (birth year, state).