

Appendix
Skin Tone Matters: Racial Microaggressions and Delayed Prenatal Care
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Appendix Table 1. Distribution of Maternal Characteristics in the LIFE Study, Overall and Stratified by Maternal Skin Tone (N=1,209), Metropolitan Detroit, Michigan, 2009–2011

Characteristic	Total sample (N=1,209)	Self-reported maternal skin tone			p-value
		Dark (n=251)	Medium (n=574)	Light (n=384)	
Maternal age, years					0.08
Mean, SD	27.2, 6.2	27.8, 6.3	27.4, 6.1	26.6, 6.1	0.03
18–19	8.4	6.4	7.5	11.2	
20–29	57.7	54.6	57.7	59.9	
30–34	19.2	21.9	20.2	15.9	
≥35	14.6	17.1	14.6	13.0	
Current city of residence					0.20
City of Detroit	48.8	52.2	49.7	45.3	
Outer Metro Detroit	51.2	47.8	50.4	54.7	
Employment status					0.12
Yes	49.4	51.8	51.2	45.1	
No	50.6	48.2	48.8	55.0	
Educational attainment					
Mean, SD (years)	13.7, 1.9	13.7, 1.8	13.7, 1.9	13.7, 1.9	0.80
≤High school/GED	16.9	15.1	17.4	17.2	0.94
Some college	70.0	71.3	69.9	69.7	
≥Associates degree	13.2	13.6	12.7	13.5	
Marital status					0.92
Single	54.1	55.0	54.2	53.4	
Married/living with partner	45.9	45.0	45.8	46.6	
Health insurance					0.32
Private	39.2	43.0	37.5	39.3	
Public	60.8	57.0	62.5	60.7	
Receipt of WIC/food stamps					0.31
Yes	52.8	57.0	52.1	51.0	
No	47.2	43.0	47.9	48.9	
Parity (number of previous live births)					0.53
None	43.2	41.0	42.2	41.0	
1	30.4	31.1	30.0	31.1	
≥2	26.5	27.9	27.9	27.9	
History of chronic medical conditions					0.32
Yes	30.0	32.3	30.7	27.3	
No	70.0	67.3	69.3	72.7	
Racial microaggressions (DLE-B)					0.43
Mean, SD	96.1, 79.8	100.6, 83.4	92.0, 75.8	99.3, 82.9	0.23
<Median (score 39–70)	49.7	47.0	52.6	48.7	
≥Median (score 71–637)	50.3	53.0	48.4	51.3	

LIFE, Life-course Influences of Fetal Environments; DLE-B, Daily Life Experiences of Racial Discrimination and Bother Scale; PNC, prenatal care; WIC, Special Supplemental Nutrition Program for Women, Infants, and Children.

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Appendix Table 2. Unadjusted ORs and AORs for the Relationship Between Racial Microaggressions (DLE-B score >71) and Prenatal Care Initiation Overall and Stratified by Maternal Skin Tone, LIFE Study, Metropolitan Detroit (2009–2011)

Variable	PNC initiation 4–6 months (ref: <3 months)		PNC initiation ≥7 months or no PNC (ref: <3 months)		Interaction <i>p</i> -value
	OR (95% CI)	AOR ^a (95% CI)	OR (95% CI)	AOR ^a (95% CI)	
Overall sample (N=1,209)	1.08 (0.82, 1.41)	1.16 (0.88, 1.53)	1.27 (0.96, 1.68)	1.39 (1.04, 1.86)	
Maternal skin tone					0.06
Light brown (n=384)	1.38 (0.85, 2.26)	1.50 (0.90, 2.50)	1.81 (1.10, 2.97)	1.90 (1.14, 3.17)	
Medium brown (n=574)	1.08 (0.74, 1.61)	1.16 (0.78, 1.72)	0.89 (0.59, 1.34)	0.94 (0.61, 1.43)	
Dark brown (n=251)	0.72 (0.40, 1.32)	0.79 (0.41, 1.53)	1.67 (0.89, 3.14)	2.15 (1.07, 4.32)	

Note: Boldface indicates statistical significance ($p < 0.05$).

^aMultinomial logistic regression model adjusted for maternal age, city of residence, grade level, health insurance, parity, employment, and receipt of Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) or food stamps.

LIFE, Life-course Influences of Fetal Environments; DLE-B, Daily Life Experiences of Racial Discrimination and Bother Scale; PNC, prenatal care.

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Appendix Table 3. Unadjusted ORs and AORs for No/Late PNC in Relation to the DLE-B Overall and Subscales, LIFE Study (N=1,209), Metropolitan Detroit, Michigan (2009–2011)

DLE-B	Overall sample (N=1,209)		Light brown (n=384)		Medium brown (n=574)		Dark brown (n=251)	
	OR (95% CI)	AOR (95% CI)	OR (95% CI)	AOR (95% CI)	OR (95% CI)	AOR (95% CI)	OR (95% CI)	AOR (95% CI)
Overall scale	1.24 (0.95, 1.72)	1.31 (1.00, 1.72)	1.62 (1.02, 2.59)	1.65 (1.02, 2.65)	0.87 (0.59, 1.27)	0.88 (0.60, 1.32)	1.88 (1.04, 3.40)	2.29 (1.19, 4.41)
Occurrence subscale	1.15 (0.89, 1.50)	1.21 (0.93, 1.68)	1.60 (1.00, 2.55)	1.70 (1.05, 2.73)	0.72 (0.49, 1.06)	0.71 (0.48, 1.06)	2.03 (1.13, 3.66)	2.47 (1.29, 4.71)
Bothered subscale	1.27 (0.98, 1.65)	1.39 (1.06, 1.82)	1.64 (1.03, 2.68)	1.76 (1.09, 2.84)	0.91 (0.62, 1.33)	0.95 (0.64, 1.41)	1.88 (1.03, 3.40)	2.47 (1.28, 4.80)

Notes: Boldface indicates statistical significance ($p < 0.05$).

^aBinary logistic regression model adjusted for maternal age, city of residence, grade level, health insurance, parity, employment, and receipt of Special Supplemental Nutrition Program for Women, Infants, and Children (WIC) or food stamps.

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