Online Appendices for:

Racialized Health Inequities: Quantifying Socioeconomic and Stress Pathways Using Moderated Mediation

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Appendix A. Supplemental Methods

All SEMs were estimated using full information maximum likelihood estimation (i.e., FIML, direct maximum likelihood) to account for missing data. FIML has optimal properties in the presence of data that is missing at random (MAR) or missing completely at random (MCAR). Therefore, it is generally superior to listwise deletion (i.e., complete case analysis) (Rubin 2004), and exhibits equally optimal properties to multiple imputation with asymptotic imputations (von Hippel 2018). All SEMs were fit using survey weights (i.e., sampling weights) to adjust for disproportionate sampling probabilities. These weights are equal to the inverse of the probability of the subject being sampled and are recommended for use with this HRS dataset (Korn 1991). Sampling weights were applied using Stata 16.1's "pweights" (i.e., "[pw=hrs_wts]") .

Generalized Huber/White/sandwich cluster robust variance estimates (i.e., cluster robust standard errors (SEs)) were used to adjust statistical inferences to account for clustering of observations within subjects as well as sampling weighting (Shaun 2011). Because likelihood estimates are not produced in the estimation of survey weighted SEMs, it is not possible to use likelihood based fit indices (or nested LRTs) to assess model fit for these models. All analyses were conducted on pooled data from two waves of data collection; thus, all equations in all models adjust for a (fixed) dichotomous wave indicator. All analyses were conducted using Stata 16.1.

In order to specify a control covariate measuring relevant medication use, we accessed medication information on HRS participants for six (related) classes of metabolic syndrome-related medications. Specifically, we included pharmacotherapies for: (a) blood pressure, (b) diabetes (oral administration), (c) insulin (shots or pump), (d) heart (e.g., myocardial infarction treatment), (e) stroke, (f) cholesterol. These medication data were collected in four waves of repeated assessments in the HRS: 2006, 2008, 2010, and 2012, which correspond to the two waves we include in the main analysis (i.e., 2006-2008 corresponds to our analysis wave 1, and 2010-2012 corresponds to our analysis wave 2). For each of our two analysis waves, we specified two versions of the medication covariate: (1) a count of the number of metabolic syndrome-related drug classes that the respondent took over the preceding two-year period, and (2) a dichotomous indicator whether the respondent took any of the assayed metabolic syndrome-related medications over the preceding two year period. We then individually tested both of these medication specifications as control covariates in the main model sequence for cumulative biological risk. The dichotomous indicator was significantly more predictive, suggesting less measurement error; thus, we retained the dichotomous indicator for the final reported analyses. Finally, based on the significant effects of the medication indicator in models predicting cumulative biological risk measure, and compelling arguments suggesting that they may be relevant, we also tested the medication indicator in the models for the other outcomes, and found it strongly predictive for those outcomes as well. Thus, we opted to include the medication indicator as a control covariate for all three outcomes in the final reported analyses.

We used the Stata post-estimation command *estat teffects* to calculate direct, indirect, and total effects for all estimated models. This command reports these effects for each path, following Sobel (1987) and Bollen (1989)[2], along with standard errors obtained by the delta

method. All effects are standardized and therefore interpreted as the expected SD change in the outcome, given one SD change in the predictor. Thus, the effect decompositions for the simple serial mediation model shown in Figure 1, Panel A are:

$$Full\ direct = p_1 \qquad\qquad Eq.\,1$$

$$Full\ indirect = \sum (p_{2j} \times p_{4l}) + \sum (p_{3k} \times p_{6n}) + \sum (p_{2j} \times p_{5m} \times p_{6n}) \qquad Eq.\,2$$

$$Total\ effect = Full\ direct + Full\ indirect \qquad\qquad Eq.\,3$$

$$Percent\ Indirect = \frac{Full\ indirect}{Total\ effect} \qquad\qquad Eq.\,4$$

We also used Stata's *estat teffects* routine to derive indirect and total effect estimates for the moderated mediation models. By coding the moderation effects as White*mediator, we were able to estimate the effect decompositions using the formulae above (Eq 1-4).

Appendix B. Full Results from Simple Mediation and Moderated Mediation Models

Appendix Table B1. Black-White Simple Mediation Models

Equation outcome	Self-rated health β	SE	Cum Bio Risk β	SE	Func Limitations β	SE
Primary health outcome						
Education	0.19***	(0.010)	-0.10***	(0.011)	-0.15***	(0.010)
Income	0.12***	(0.011)	-0.02*	(0.011)	-0.08***	(0.011)
Wealth	0.08***	(0.011)	-0.06***	(0.011)	-0.09***	(0.012)
Discrim (daily)	-0.03**	(0.011)	0.00	(0.011)	0.04***	(0.011)
Discrim (2+ att)	-0.05***	(0.009)	0.09***	(0.011)	0.07***	(0.010)
Discrim (Major)	0.01	(0.009)	0.02	(0.011)	0.02*	(0.010)
Chr. Stressors	-0.11***	(0.010)	0.03**	(0.010)	0.09***	(0.009)
Trauma	-0.10***	(0.009)	0.04***	(0.011)	0.10***	(0.010)
Financial Strain	-0.10***	(0.011)	0.06***	(0.011)	0.09***	(0.011)
Disorder	-0.04**	(0.012)	0.01	(0.013)	0.04**	(0.012)
Mistrust	-0.06***	(0.012)	0.01	(0.013)	0.03*	(0.012)
Black	-0.03*	(0.011)	0.07***	(0.013)	-0.01	(0.013)
Age	-0.09***	(0.017)	-0.01	(0.019)	0.12***	(0.018)
Female	0.03***	(0.009)	0.03**	(0.010)	0.12***	(0.009)
Married	-0.00	(0.010)	0.01	(0.011)	0.02	(0.010)
Insurance	0.04***	(0.010)	0.02	(0.010)	-0.08***	(0.010)
Cohort	-0.01	(0.020)	-0.05*	(0.022)	-0.02	(0.020)
Wave	-0.01	(0.008)	-0.03***	(0.007)	-0.00	(0.007)
Pharmacotherapy	-0.09***	(0.011)	0.17***	(0.010)	0.05***	(0.010)
Education						
Black	-0.17***	(0.012)	-0.17***	(0.012)	-0.17***	(0.012)
Age	-0.07***	(0.020)	-0.07***	(0.020)	-0.07***	(0.020)
Female	-0.01	(0.010)	-0.01	(0.010)	-0.01	(0.010)
Married	0.03**	(0.011)	0.03**	(0.011)	0.03**	(0.011)
Insurance	0.20***	(0.011)	0.20***	(0.011)	0.20***	(0.011)
Cohort	0.05*	(0.023)	0.05*	(0.023)	0.05*	(0.023)
Wave	-0.05***	(0.005)	-0.05***	(0.005)	-0.05***	(0.005)
Income						
Black	-0.20***	(0.014)	-0.20***	(0.014)	-0.20***	(0.014)
Age	-0.01	(0.016)	-0.01	(0.016)	-0.01	(0.016)
Female	-0.02	(0.009)	-0.02	(0.009)	-0.02	(0.009)
Married	0.34***	(0.011)	0.34***	(0.011)	0.34***	(0.011)
Insurance	0.27***	(0.011)	0.27***	(0.011)	0.27***	(0.011)
Cohort	0.02	(0.018)	0.02	(0.018)	0.02	(0.018)
Wave	-0.05***	(0.009)	-0.05***	(0.009)	-0.05***	(0.009)
Wealth						
Black	-0.23***	(0.015)	-0.23***	(0.015)	-0.23***	(0.015)
Age	0.11***	(0.019)	0.11***	(0.019)	0.11***	(0.019)
Female	-0.00	(0.010)	-0.00	(0.010)	-0.00	(0.010)
Married	0.19***	(0.012)	0.19***	(0.012)	0.19***	(0.012)
Insurance	0.18***	(0.011)	0.18***	(0.011)	0.18***	(0.011)
Cohort	-0.11***	(0.023)	-0.11***	(0.023)	-0.11***	(0.023)
Wave	0.00	(0.008)	0.00	(0.008)	0.00	(0.008)
Discrim (daily)						
Education	-0.05***	(0.012)	-0.05***	(0.012)	-0.05***	(0.012)

Income	-0.01	(0.011)	-0.01	(0.011)	-0.01	(0.011)
Wealth	-0.09***	(0.013)	-0.09***	(0.013)	-0.09***	(0.013)
Black	0.04**	(0.015)	0.04**	(0.015)	0.04**	(0.015)
Age	-0.16***	(0.020)	-0.16***	(0.020)	-0.16***	(0.020)
Female	-0.10***	(0.011)	-0.10***	(0.011)	-0.10***	(0.011)
Married	-0.06***	(0.012)	-0.06***	(0.012)	-0.06***	(0.012)
Insurance	-0.02*	(0.011)	-0.02*	(0.011)	-0.02*	(0.011)
Cohort	0.04	(0.023)	0.04	(0.023)	0.04	(0.023)
Wave	0.05***	(0.009)	0.05***	(0.009)	0.05***	(0.009)
Discrim (2+ att)						
Education	0.01	(0.011)	0.01	(0.011)	0.01	(0.011)
Income	-0.04***	(0.011)	-0.04***	(0.011)	-0.04***	(0.011)
Wealth	-0.09***	(0.012)	-0.09***	(0.012)	-0.09***	(0.012)
Black	0.14***	(0.013)	0.14***	(0.013)	0.14***	(0.013)
Age	-0.07***	(0.018)	-0.07***	(0.018)	-0.07***	(0.018)
Female	0.04***	(0.010)	0.04***	(0.010)	0.04***	(0.010)
Married	-0.04***	(0.011)	-0.04***	(0.011)	-0.04***	(0.011)
Insurance	-0.01	(0.010)	-0.01	(0.010)	-0.01	(0.010)
Cohort	0.02	(0.021)	0.02	(0.021)	0.02	(0.021)
Wave	-0.05***	(0.009)	-0.05***	(0.009)	-0.05***	(0.009)
Discrim (Major)						
Education	0.09***	(0.011)	0.09***	(0.011)	0.09***	(0.011)
Black	0.14***	(0.016)	0.14***	(0.016)	0.14***	(0.016)
Age	-0.15***	(0.018)	-0.15***	(0.018)	-0.15***	(0.018)
Female	-0.09***	(0.011)	-0.09***	(0.011)	-0.09***	(0.011)
Married	-0.07***	(0.011)	-0.07***	(0.011)	-0.07***	(0.011)
Insurance	-0.10***	(0.012)	-0.10***	(0.012)	-0.10***	(0.012)
Cohort	0.04	(0.022)	0.04	(0.022)	0.04	(0.022)
Wave	0.00	(0.009)	0.00	(0.009)	0.00	(0.009)
Chr. Stressors						
Education	-0.04***	(0.010)	-0.04***	(0.010)	-0.04***	(0.010)
Income	-0.04***	(0.011)	-0.04***	(0.011)	-0.04***	(0.011)
Wealth	-0.14***	(0.011)	-0.14***	(0.011)	-0.14***	(0.011)
Black	0.06***	(0.012)	0.06***	(0.012)	0.06***	(0.012)
Age	-0.13***	(0.019)	-0.13***	(0.019)	-0.13***	(0.019)
Female	0.03**	(0.010)	0.03**	(0.010)	0.03**	(0.010)
Married	0.02*	(0.011)	0.02*	(0.011)	0.02*	(0.011)
Insurance	-0.06***	(0.010)	-0.06***	(0.010)	-0.06***	(0.010)
Cohort	0.05*	(0.023)	0.05*	(0.023)	0.05*	(0.023)
Wave	-0.07***	(0.008)	-0.07***	(0.008)	-0.07***	(0.008)
Trauma						
Education	0.01	(0.011)	0.01	(0.011)	0.01	(0.011)
Black	0.01	(0.013)	0.01	(0.013)	0.01	(0.013)
Age	0.03	(0.020)	0.03	(0.020)	0.03	(0.020)
Female	-0.01	(0.011)	-0.01	(0.011)	-0.01	(0.011)
Married	-0.05***	(0.011)	-0.05***	(0.011)	-0.05***	(0.011)
Insurance	-0.10***	(0.011)	-0.10***	(0.011)	-0.10***	(0.011)
Cohort	-0.02	(0.023)	-0.02	(0.023)	-0.02	(0.023)
Wave	0.04***	(0.008)	0.04***	(0.008)	0.04***	(0.008)
Financial Strain						
Education	-0.08***	(0.011)	-0.08***	(0.011)	-0.08***	(0.011)
Income	-0.13***	(0.013)	-0.13***	(0.013)	-0.13***	(0.013)
Wealth	-0.27***	(0.011)	-0.27***	(0.011)	-0.27***	(0.011)
Black	0.02*	(0.012)	0.02	(0.012)	0.02*	(0.012)

Age	-0.17***	(0.017)	-0.17***	(0.017)	-0.17***	(0.017)
Female	0.03***	(0.009)	0.03***	(0.009)	0.03***	(0.009)
Married	-0.00	(0.011)	-0.00	(0.011)	-0.00	(0.011)
Insurance	-0.12***	(0.010)	-0.12***	(0.010)	-0.12***	(0.010)
Cohort	0.09***	(0.020)	0.09***	(0.020)	0.09***	(0.020)
Wave	0.02*	(0.008)	0.02*	(0.008)	0.02*	(0.008)
Disorder						
Education	-0.13***	(0.010)	-0.13***	(0.010)	-0.13***	(0.010)
Income	-0.05***	(0.012)	-0.05***	(0.012)	-0.05***	(0.012)
Wealth	-0.11***	(0.011)	-0.11***	(0.011)	-0.11***	(0.011)
Black	0.20***	(0.013)	0.20***	(0.013)	0.20***	(0.013)
Age	-0.03	(0.017)	-0.03	(0.017)	-0.03	(0.017)
Female	-0.01	(0.009)	-0.01	(0.009)	-0.01	(0.009)
Married	-0.03**	(0.011)	-0.03**	(0.011)	-0.03**	(0.011)
Insurance	-0.05***	(0.010)	-0.05***	(0.010)	-0.05***	(0.010)
Cohort	0.04	(0.020)	0.04	(0.020)	0.04	(0.020)
Wave	-0.02*	(0.008)	-0.02*	(0.008)	-0.02*	(0.008)
Mistrust						
Education	-0.07***	(0.011)	-0.07***	(0.011)	-0.07***	(0.011)
Income	-0.04***	(0.012)	-0.04***	(0.012)	-0.04***	(0.012)
Wealth	-0.12***	(0.011)	-0.12***	(0.011)	-0.12***	(0.011)
Black	0.17***	(0.013)	0.16***	(0.013)	0.16***	(0.013)
Age	-0.09***	(0.018)	-0.09***	(0.018)	-0.09***	(0.018)
Female	-0.05***	(0.009)	-0.05***	(0.009)	-0.05***	(0.009)
Married	-0.05***	(0.010)	-0.05***	(0.010)	-0.05***	(0.010)
Insurance	-0.03**	(0.010)	-0.03**	(0.010)	-0.03**	(0.010)
Cohort	0.01	(0.020)	0.01	(0.020)	0.01	(0.020)
Wave	-0.00	(0.008)	-0.00	(0.008)	-0.00	(0.008)
N	33284		33284		33284	

Standardized beta coefficients. Covariance, variance, and intercept estimates excluded for brevity.

* $p<0.05$; ** $p<0.01$ *** $p<0.001$

Appendix Table B2. Mex Am-White Simple Mediation Models

Equation outcome	Self-rated health β	SE	Cum Bio Risk β	SE	Func Limitations β	SE
Primary health outcome						
Education	0.19***	-0.011	-0.11***	-0.013	-0.14***	-0.012
Income	0.11***	-0.012	-0.03*	-0.012	-0.09***	-0.012
Wealth	0.07***	-0.011	-0.06***	-0.012	-0.09***	-0.012
Discrim (daily)	-0.03**	-0.012	0	-0.012	0.05***	-0.013
Discrim (2+ att)	-0.05***	-0.01	0.09***	-0.011	0.08***	-0.01
Discrim (Major)	0.01	-0.01	0.02	-0.011	0.02	-0.01
Chr. Stressors	-0.12***	-0.01	0.03**	-0.011	0.09***	-0.01
Trauma	-0.09***	-0.01	0.04***	-0.012	0.09***	-0.01
Financial Strain	-0.10***	-0.011	0.06***	-0.012	0.09***	-0.011
Disorder	-0.03**	-0.012	0.01	-0.013	0.04**	-0.013
Mistrust	-0.06***	-0.013	0.01	-0.013	0.03*	-0.013
Mex Am	-0.03*	-0.012	0.02	-0.014	0	-0.014
Age	-0.10***	-0.018	-0.03	-0.021	0.12***	-0.019
Female	0.04***	-0.01	0.01	-0.011	0.11***	-0.01
Married	0	-0.01	0.01	-0.012	0.01	-0.01
Insurance	0.04***	-0.011	0.02	-0.011	-0.06***	-0.011
Cohort	-0.01	-0.021	-0.07**	-0.023	-0.03	-0.021
Wave	-0.01	-0.008	-0.03***	-0.008	-0.01	-0.008
Pharmacotreatment	-0.09***	-0.012	0.17***	-0.011	0.05***	-0.011
Education						
Mex Am	-0.20***	-0.015	-0.20***	-0.015	-0.20***	-0.015
Age	-0.06**	-0.021	-0.06**	-0.021	-0.06**	-0.021
Female	-0.03*	-0.011	-0.03*	-0.011	-0.03*	-0.011
Married	0.03*	-0.011	0.03*	-0.011	0.03*	-0.011
Insurance	0.19***	-0.011	0.19***	-0.011	0.19***	-0.011
Cohort	0.05*	-0.023	0.05*	-0.023	0.05*	-0.023
Wave	-0.04***	-0.005	-0.04***	-0.005	-0.04***	-0.005
Income						
Mex Am	-0.13***	-0.017	-0.13***	-0.017	-0.13***	-0.017
Age	-0.01	-0.017	-0.01	-0.017	-0.01	-0.017
Female	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Married	0.34***	-0.012	0.34***	-0.012	0.34***	-0.012
Insurance	0.28***	-0.012	0.28***	-0.012	0.28***	-0.012
Cohort	0.03	-0.02	0.03	-0.02	0.03	-0.02
Wave	-0.05***	-0.01	-0.05***	-0.01	-0.05***	-0.01
Wealth						
Mex Am	-0.08***	-0.015	-0.08***	-0.015	-0.08***	-0.015
Age	0.11***	-0.021	0.11***	-0.021	0.11***	-0.021
Female	0.01	-0.012	0.01	-0.012	0.01	-0.012
Married	0.20***	-0.013	0.20***	-0.013	0.20***	-0.013
Insurance	0.19***	-0.013	0.19***	-0.013	0.19***	-0.013
Cohort	-0.12***	-0.026	-0.12***	-0.026	-0.12***	-0.026
Wave	0	-0.009	0	-0.009	0	-0.009
Discrim (daily)						
Education	-0.04**	-0.014	-0.04**	-0.014	-0.04**	-0.014
Income	-0.02	-0.011	-0.02	-0.011	-0.02	-0.011
Wealth	-0.10***	-0.013	-0.10***	-0.013	-0.10***	-0.013
Mex Am	-0.02	-0.013	-0.02	-0.013	-0.02	-0.013

Age	-0.16***	-0.022	-0.16***	-0.022	-0.16***	-0.022
Female	-0.09***	-0.011	-0.09***	-0.011	-0.09***	-0.011
Married	-0.06***	-0.012	-0.06***	-0.012	-0.06***	-0.012
Insurance	-0.02	-0.012	-0.02	-0.012	-0.02	-0.012
Cohort	0.03	-0.025	0.03	-0.025	0.03	-0.025
Wave	0.05***	-0.009	0.05***	-0.009	0.05***	-0.009
Discrim (2+ att)						
Education	0.01	-0.012	0.01	-0.012	0.01	-0.012
Income	-0.05***	-0.012	-0.05***	-0.012	-0.05***	-0.012
Wealth	-0.09***	-0.012	-0.09***	-0.012	-0.09***	-0.012
Mex Am	0.04**	-0.014	0.04**	-0.014	0.04**	-0.014
Age	-0.08***	-0.02	-0.08***	-0.02	-0.08***	-0.02
Female	0.04***	-0.011	0.04***	-0.011	0.04***	-0.011
Married	-0.04***	-0.012	-0.04***	-0.012	-0.04***	-0.012
Insurance	-0.02	-0.011	-0.02	-0.011	-0.02	-0.011
Cohort	0.01	-0.023	0.01	-0.023	0.01	-0.023
Wave	-0.06***	-0.01	-0.06***	-0.01	-0.06***	-0.01
Discrim (Major)						
Education	0.08***	-0.012	0.08***	-0.012	0.08***	-0.012
Mex Am	-0.01	-0.013	-0.01	-0.013	-0.01	-0.013
Age	-0.16***	-0.02	-0.16***	-0.02	-0.16***	-0.02
Female	-0.10***	-0.012	-0.10***	-0.012	-0.10***	-0.012
Married	-0.07***	-0.012	-0.07***	-0.012	-0.07***	-0.012
Insurance	-0.11***	-0.013	-0.11***	-0.013	-0.11***	-0.013
Cohort	0.04	-0.025	0.04	-0.025	0.04	-0.025
Wave	0	-0.01	0	-0.01	0	-0.01
Chr. Stressors						
Education	-0.02*	-0.012	-0.02*	-0.012	-0.03*	-0.012
Income	-0.05***	-0.012	-0.05***	-0.012	-0.05***	-0.012
Wealth	-0.14***	-0.011	-0.14***	-0.011	-0.14***	-0.011
Mex Am	0.01	-0.016	0.01	-0.016	0.01	-0.016
Age	-0.14***	-0.021	-0.14***	-0.021	-0.14***	-0.021
Female	0.04***	-0.011	0.04***	-0.011	0.04***	-0.011
Married	0.02*	-0.011	0.02*	-0.011	0.02*	-0.011
Insurance	-0.05***	-0.011	-0.05***	-0.011	-0.05***	-0.011
Cohort	0.04	-0.024	0.04	-0.024	0.04	-0.024
Wave	-0.07***	-0.009	-0.07***	-0.009	-0.07***	-0.009
Trauma						
Education	0.02	-0.012	0.02	-0.012	0.02	-0.012
Mex Am	0	-0.015	0	-0.015	0	-0.015
Age	0.03	-0.021	0.03	-0.021	0.03	-0.021
Female	-0.01	-0.011	-0.01	-0.011	-0.01	-0.011
Married	-0.05***	-0.011	-0.05***	-0.011	-0.05***	-0.011
Insurance	-0.10***	-0.012	-0.10***	-0.012	-0.10***	-0.012
Cohort	-0.02	-0.024	-0.02	-0.024	-0.02	-0.024
Wave	0.04***	-0.008	0.04***	-0.008	0.04***	-0.008
Financial Strain						
Education	-0.07***	-0.012	-0.07***	-0.011	-0.07***	-0.012
Income	-0.14***	-0.014	-0.14***	-0.014	-0.14***	-0.014
Wealth	-0.26***	-0.011	-0.26***	-0.011	-0.26***	-0.011
Mex Am	-0.01	-0.012	-0.01	-0.012	-0.01	-0.012
Age	-0.18***	-0.019	-0.18***	-0.019	-0.18***	-0.019
Female	0.03**	-0.01	0.03**	-0.01	0.03**	-0.01
Married	0	-0.011	0	-0.011	0	-0.011

Insurance	-0.12***	-0.011	-0.12***	-0.011	-0.12***	-0.011
Cohort	0.09***	-0.021	0.09***	-0.021	0.09***	-0.021
Wave	0.02*	-0.009	0.02*	-0.009	0.02*	-0.009
Disorder						
Education	-0.13***	-0.012	-0.13***	-0.012	-0.13***	-0.012
Income	-0.06***	-0.012	-0.06***	-0.012	-0.06***	-0.012
Wealth	-0.10***	-0.012	-0.10***	-0.012	-0.10***	-0.012
Mex Am	0.05***	-0.013	0.05***	-0.013	0.05***	-0.013
Age	-0.03	-0.019	-0.03	-0.019	-0.03	-0.019
Female	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Married	-0.03*	-0.011	-0.03*	-0.011	-0.03*	-0.011
Insurance	-0.05***	-0.011	-0.05***	-0.011	-0.05***	-0.011
Cohort	0.03	-0.021	0.03	-0.021	0.03	-0.021
Wave	-0.02*	-0.009	-0.02*	-0.009	-0.02*	-0.009
Mistrust						
Education	-0.07***	-0.012	-0.07***	-0.012	-0.07***	-0.012
Income	-0.05***	-0.012	-0.05***	-0.012	-0.05***	-0.012
Wealth	-0.11***	-0.012	-0.11***	-0.012	-0.11***	-0.012
Mex Am	0.01	-0.012	0.01	-0.012	0.01	-0.012
Age	-0.09***	-0.02	-0.09***	-0.02	-0.09***	-0.02
Female	-0.05***	-0.01	-0.05***	-0.01	-0.05***	-0.01
Married	-0.05***	-0.011	-0.05***	-0.011	-0.05***	-0.011
Insurance	-0.03*	-0.011	-0.03*	-0.011	-0.03*	-0.011
Cohort	0	-0.022	0	-0.022	0	-0.022
Wave	0	-0.009	0	-0.009	0	-0.009
N	26935		26935		26935	

Standardized beta coefficients. Covariance, variance, and intercept estimates excluded for brevity.

* p<0.05 ** p<0.01; *** p<0.001

Appendix Table B3. Black-White Moderated Mediation Models

Equation outcome	Self-rated health		Cum Bio Risk		Func Limitations	
	β	SE	β	SE	β	SE
Primary health outcome						
Education	0.18***	(0.010)	-0.09***	(0.012)	-0.15***	(0.011)
Income	0.12***	(0.011)	-0.02*	(0.011)	-0.09***	(0.011)
Wealth	0.08***	(0.010)	-0.06***	(0.011)	-0.09***	(0.012)
Discrim (daily)	-0.03**	(0.011)	0.00	(0.011)	0.04**	(0.011)
Discrim (2+ att)	-0.05***	(0.009)	0.08***	(0.010)	0.07***	(0.010)
Discrim (Major)	0.01	(0.009)	0.01	(0.010)	0.02*	(0.010)
Chr. Stressors	-0.11***	(0.009)	0.03**	(0.010)	0.10***	(0.010)
Trauma	-0.10***	(0.009)	0.04***	(0.011)	0.10***	(0.010)
Financial Strain	-0.10***	(0.011)	0.05***	(0.011)	0.10***	(0.011)
Disorder	-0.04**	(0.012)	0.00	(0.013)	0.04**	(0.012)
Mistrust	-0.05***	(0.012)	0.01	(0.013)	0.03*	(0.013)
Black	-0.05***	(0.012)	0.12***	(0.015)	-0.01	(0.013)
Age	-0.09***	(0.017)	-0.01	(0.019)	0.12***	(0.018)
Female	0.03***	(0.009)	0.03**	(0.010)	0.12***	(0.009)
Married	-0.00	(0.010)	0.01	(0.011)	0.02	(0.010)
Insurance	0.04***	(0.010)	0.01	(0.010)	-0.08***	(0.010)
Cohort	-0.01	(0.020)	-0.05*	(0.022)	-0.01	(0.020)
Wave	-0.01	(0.008)	-0.03***	(0.007)	-0.00	(0.007)
Pharmacotherapy	-0.09***	(0.011)	0.16***	(0.010)	0.05***	(0.010)
White*Education	0.01	(0.010)	-0.05***	(0.013)	0.01	(0.012)
White*Income	0.02*	(0.009)	-0.01	(0.010)	-0.01	(0.009)
White*Wealth	-0.00	(0.009)	-0.01	(0.010)	0.00	(0.011)
White*Discrim (daily)	-0.01	(0.010)	0.01	(0.012)	0.02	(0.012)
White*Discrim (2+ att)	-0.03**	(0.009)	0.02	(0.011)	0.03*	(0.011)
White*Discrim (Major)	0.01	(0.008)	0.02	(0.010)	-0.00	(0.010)
White*Chr. Stressors	-0.01	(0.010)	-0.00	(0.011)	-0.02*	(0.011)
White*Trauma	-0.00	(0.010)	0.02	(0.012)	-0.02	(0.011)
White*Financial Strain	0.01	(0.011)	0.01	(0.013)	-0.01	(0.013)
White*Disorder	0.01	(0.012)	0.01	(0.014)	0.00	(0.013)
White*Mistrust	-0.02	(0.012)	-0.00	(0.014)	0.01	(0.014)
Education						
Black	-0.17***	(0.012)	-0.17***	(0.012)	-0.17***	(0.012)
Age	-0.07***	(0.020)	-0.07***	(0.020)	-0.07***	(0.020)
Female	-0.01	(0.010)	-0.01	(0.010)	-0.01	(0.010)
Married	0.03**	(0.011)	0.03**	(0.011)	0.03**	(0.011)
Insurance	0.20***	(0.011)	0.20***	(0.011)	0.20***	(0.011)
Cohort	0.05*	(0.023)	0.05*	(0.023)	0.05*	(0.023)
Wave	-0.05***	(0.005)	-0.05***	(0.005)	-0.05***	(0.005)
Income						
Black	-0.20***	(0.014)	-0.20***	(0.014)	-0.20***	(0.014)

Age	-0.01	(0.016)	-0.01	(0.016)	-0.01	(0.016)
Female	-0.02	(0.009)	-0.02	(0.009)	-0.02	(0.009)
Married	0.34***	(0.011)	0.34***	(0.011)	0.34***	(0.011)
Insurance	0.27***	(0.011)	0.27***	(0.011)	0.27***	(0.011)
Cohort	0.02	(0.018)	0.02	(0.018)	0.02	(0.018)
Wave	-0.05***	(0.009)	-0.05***	(0.009)	-0.05***	(0.009)
Wealth						
Black	-0.23***	(0.015)	-0.23***	(0.015)	-0.23***	(0.015)
Age	0.11***	(0.019)	0.11***	(0.019)	0.11***	(0.019)
Female	-0.00	(0.010)	-0.00	(0.010)	-0.00	(0.010)
Married	0.19***	(0.012)	0.19***	(0.012)	0.19***	(0.012)
Insurance	0.19***	(0.011)	0.18***	(0.011)	0.19***	(0.011)
Cohort	-0.11***	(0.023)	-0.11***	(0.023)	-0.11***	(0.023)
Wave	0.00	(0.008)	0.00	(0.008)	0.00	(0.008)
Discrim (daily)						
Education	-0.05***	(0.013)	-0.05***	(0.013)	-0.05***	(0.013)
Income	-0.02	(0.011)	-0.02	(0.011)	-0.02	(0.011)
Wealth	-0.09***	(0.012)	-0.09***	(0.012)	-0.09***	(0.012)
Black	0.06***	(0.014)	0.06***	(0.014)	0.06***	(0.014)
Age	-0.16***	(0.020)	-0.16***	(0.020)	-0.16***	(0.020)
Female	-0.10***	(0.011)	-0.10***	(0.011)	-0.10***	(0.011)
Married	-0.06***	(0.012)	-0.06***	(0.012)	-0.06***	(0.012)
Insurance	-0.02*	(0.011)	-0.02*	(0.011)	-0.02*	(0.011)
Cohort	0.04	(0.023)	0.04	(0.023)	0.04	(0.023)
Wave	0.05***	(0.009)	0.05***	(0.009)	0.05***	(0.009)
White*Education	0.01	(0.014)	0.01	(0.014)	0.01	(0.014)
White*Income	-0.02	(0.010)	-0.02	(0.010)	-0.02	(0.010)
White*Wealth	-0.03*	(0.012)	-0.03*	(0.012)	-0.03*	(0.012)
Discrim (2+ att)						
Education	0.02	(0.011)	0.02	(0.011)	0.02	(0.011)
Income	-0.04***	(0.011)	-0.04***	(0.011)	-0.04***	(0.011)
Wealth	-0.09***	(0.011)	-0.09***	(0.011)	-0.09***	(0.011)
Black	0.16***	(0.013)	0.16***	(0.013)	0.16***	(0.013)
Age	-0.07***	(0.018)	-0.07***	(0.018)	-0.07***	(0.018)
Female	0.04***	(0.010)	0.04***	(0.010)	0.04***	(0.010)
Married	-0.04***	(0.011)	-0.04***	(0.011)	-0.04***	(0.011)
Insurance	-0.01	(0.010)	-0.01	(0.010)	-0.01	(0.010)
Cohort	0.02	(0.021)	0.02	(0.021)	0.02	(0.021)
Wave	-0.05***	(0.009)	-0.05***	(0.009)	-0.05***	(0.009)
White*Education	-0.02	(0.011)	-0.02	(0.011)	-0.02	(0.011)
White*Income	-0.02*	(0.010)	-0.02*	(0.010)	-0.02*	(0.010)
White*Wealth	-0.02	(0.011)	-0.02	(0.011)	-0.02	(0.011)
Discrim (Major)						
Education	0.10***	(0.011)	0.10***	(0.011)	0.10***	(0.011)
Black	0.15***	(0.016)	0.15***	(0.016)	0.15***	(0.016)

Age	-0.15***	(0.018)	-0.15***	(0.018)	-0.15***	(0.018)
Female	-0.09***	(0.011)	-0.09***	(0.011)	-0.09***	(0.011)
Married	-0.07***	(0.011)	-0.07***	(0.011)	-0.07***	(0.011)
Insurance	-0.10***	(0.012)	-0.10***	(0.012)	-0.10***	(0.012)
Cohort	0.04	(0.022)	0.04	(0.022)	0.04	(0.022)
Wave	0.01	(0.009)	0.01	(0.009)	0.01	(0.009)
White*Education	-0.06***	(0.013)	-0.06***	(0.013)	-0.06***	(0.013)
Chr. Stressors						
Education	-0.04***	(0.010)	-0.04***	(0.010)	-0.04***	(0.010)
Income	-0.04***	(0.011)	-0.04***	(0.011)	-0.04***	(0.011)
Wealth	-0.14***	(0.011)	-0.14***	(0.011)	-0.14***	(0.011)
Black	0.09***	(0.013)	0.09***	(0.013)	0.09***	(0.013)
Age	-0.13***	(0.019)	-0.13***	(0.019)	-0.13***	(0.019)
Female	0.03**	(0.010)	0.03**	(0.010)	0.03**	(0.010)
Married	0.03*	(0.011)	0.03*	(0.011)	0.03*	(0.011)
Insurance	-0.06***	(0.010)	-0.06***	(0.010)	-0.06***	(0.010)
Cohort	0.05*	(0.023)	0.05*	(0.023)	0.05*	(0.023)
Wave	-0.07***	(0.008)	-0.07***	(0.008)	-0.07***	(0.008)
White*Education	0.01	(0.011)	0.01	(0.011)	0.01	(0.011)
White*Income	-0.03**	(0.010)	-0.03**	(0.010)	-0.03**	(0.010)
White*Wealth	-0.02*	(0.010)	-0.02*	(0.010)	-0.02*	(0.010)
Trauma						
Education	0.02	(0.011)	0.02	(0.011)	0.02	(0.011)
Black	0.01	(0.013)	0.01	(0.013)	0.01	(0.013)
Age	0.03	(0.020)	0.03	(0.020)	0.03	(0.020)
Female	-0.01	(0.011)	-0.01	(0.011)	-0.01	(0.011)
Married	-0.05***	(0.011)	-0.05***	(0.011)	-0.05***	(0.011)
Insurance	-0.10***	(0.011)	-0.10***	(0.011)	-0.10***	(0.011)
Cohort	-0.02	(0.023)	-0.02	(0.023)	-0.02	(0.023)
Wave	0.04***	(0.008)	0.04***	(0.008)	0.04***	(0.008)
White*Education	-0.02	(0.011)	-0.02	(0.011)	-0.02	(0.011)
Financial Strain						
Education	-0.08***	(0.011)	-0.08***	(0.011)	-0.08***	(0.011)
Income	-0.13***	(0.013)	-0.13***	(0.013)	-0.13***	(0.013)
Wealth	-0.26***	(0.011)	-0.26***	(0.011)	-0.26***	(0.011)
Black	0.07***	(0.012)	0.07***	(0.012)	0.07***	(0.012)
Age	-0.17***	(0.017)	-0.17***	(0.017)	-0.17***	(0.017)
Female	0.03***	(0.009)	0.03***	(0.009)	0.03***	(0.009)
Married	0.00	(0.011)	0.00	(0.011)	0.00	(0.011)
Insurance	-0.12***	(0.010)	-0.12***	(0.010)	-0.12***	(0.010)
Cohort	0.09***	(0.020)	0.09***	(0.020)	0.09***	(0.020)
Wave	0.02*	(0.008)	0.02*	(0.008)	0.02*	(0.008)
White*Education	0.00	(0.012)	0.00	(0.012)	0.00	(0.012)
White*Income	-0.05***	(0.010)	-0.05***	(0.010)	-0.05***	(0.010)
White*Wealth	-0.06***	(0.010)	-0.06***	(0.010)	-0.06***	(0.010)

Disorder

Education	-0.13***	(0.011)	-0.13***	(0.011)	-0.13***	(0.011)
Income	-0.05***	(0.012)	-0.05***	(0.012)	-0.05***	(0.012)
Wealth	-0.10***	(0.011)	-0.10***	(0.011)	-0.10***	(0.011)
Black	0.22***	(0.014)	0.22***	(0.014)	0.22***	(0.014)
Age	-0.03	(0.017)	-0.03	(0.017)	-0.03	(0.017)
Female	-0.01	(0.009)	-0.01	(0.009)	-0.01	(0.009)
Married	-0.03**	(0.011)	-0.03**	(0.011)	-0.03**	(0.011)
Insurance	-0.05***	(0.010)	-0.05***	(0.010)	-0.05***	(0.010)
Cohort	0.04	(0.020)	0.04*	(0.020)	0.04*	(0.020)
Wave	-0.02*	(0.008)	-0.02*	(0.008)	-0.02*	(0.008)
White*Education	-0.00	(0.012)	-0.00	(0.012)	-0.00	(0.012)
White*Income	-0.02*	(0.012)	-0.02*	(0.012)	-0.02*	(0.012)
White*Wealth	-0.01	(0.011)	-0.02	(0.011)	-0.01	(0.011)

Mistrust

Education	-0.07***	(0.011)	-0.07***	(0.011)	-0.07***	(0.011)
Income	-0.04***	(0.012)	-0.04***	(0.012)	-0.04***	(0.012)
Wealth	-0.12***	(0.011)	-0.12***	(0.011)	-0.12***	(0.011)
Black	0.18***	(0.013)	0.18***	(0.013)	0.18***	(0.013)
Age	-0.09***	(0.018)	-0.09***	(0.018)	-0.09***	(0.018)
Female	-0.05***	(0.009)	-0.05***	(0.009)	-0.05***	(0.009)
Married	-0.04***	(0.010)	-0.04***	(0.010)	-0.04***	(0.010)
Insurance	-0.03**	(0.010)	-0.03**	(0.010)	-0.03**	(0.010)
Cohort	0.01	(0.020)	0.01	(0.020)	0.01	(0.020)
Wave	-0.00	(0.008)	-0.00	(0.008)	-0.00	(0.008)
White*Education	0.00	(0.012)	0.00	(0.012)	0.00	(0.012)
White*Income	-0.02	(0.013)	-0.02	(0.013)	-0.02	(0.013)
White*Wealth	-0.01	(0.011)	-0.01	(0.011)	-0.01	(0.011)
N	33284		33284		33284	

Standardized beta coefficients. Covariance, variance, and intercept estimates excluded for brevity.

* $p<0.05$; ** $p<0.01$; *** $p<0.001$

Appendix Table B4. Mex Am-White Moderated Mediation Models

Equation outcome	Self-rated health β	SE	Cum Bio Risk β	SE	Func Limitations β	SE
Primary health outcome						
Education	0.19***	(0.011)	-0.12***	(0.013)	-0.15***	(0.011)
Income	0.12***	(0.012)	-0.03*	(0.012)	-0.09***	(0.012)
Wealth	0.07***	(0.011)	-0.06***	(0.012)	-0.09***	(0.012)
Discrim (daily)	-0.03**	(0.011)	0.00	(0.012)	0.05***	(0.012)
Discrim (2+ att)	-0.05***	(0.010)	0.09***	(0.011)	0.08***	(0.010)
Discrim (Major)	0.01	(0.010)	0.02	(0.011)	0.02	(0.010)
Chr. Stressors	-0.12***	(0.010)	0.03**	(0.011)	0.09***	(0.010)
Trauma	-0.09***	(0.010)	0.04***	(0.011)	0.09***	(0.010)
Financial Strain	-0.10***	(0.011)	0.06***	(0.012)	0.09***	(0.011)
Disorder	-0.03**	(0.012)	0.01	(0.013)	0.04**	(0.013)
Mistrust	-0.06***	(0.013)	0.01	(0.013)	0.03*	(0.013)
Mex Am	-0.04**	(0.014)	0.04**	(0.016)	0.01	(0.015)
Age	-0.10***	(0.018)	-0.03	(0.021)	0.12***	(0.019)
Female	0.04***	(0.010)	0.01	(0.011)	0.11***	(0.010)
Married	0.00	(0.010)	0.01	(0.012)	0.01	(0.010)
Insurance	0.04***	(0.011)	0.02	(0.011)	-0.06***	(0.011)
Cohort	-0.01	(0.021)	-0.07**	(0.023)	-0.03	(0.021)
Wave	-0.01	(0.008)	-0.03***	(0.008)	-0.01	(0.008)
Pharmacotherapy	-0.09***	(0.012)	0.17***	(0.011)	0.05***	(0.011)
White*Education	0.02*	(0.009)	-0.03**	(0.011)	-0.02	(0.011)
White*Income	0.01	(0.008)	-0.00	(0.008)	-0.00	(0.008)
White*Wealth	-0.01	(0.008)	-0.00	(0.012)	0.02*	(0.012)
White*Discrim (daily)	-0.02	(0.011)	0.01	(0.012)	-0.01	(0.015)
White*Discrim (2+ att)	-0.02	(0.011)	0.02*	(0.012)	0.02	(0.011)
White*Discrim (Major)	0.01	(0.010)	0.00	(0.014)	0.02	(0.013)
White*Chr. Stressors	0.01	(0.010)	0.00	(0.013)	-0.01	(0.014)
White*Trauma	-0.04***	(0.010)	0.03*	(0.012)	0.01	(0.011)
White*Financial Strain	-0.00	(0.013)	-0.02	(0.015)	0.00	(0.015)
White*Disorder	-0.00	(0.013)	-0.01	(0.014)	0.00	(0.014)
White*Mistrust	0.01	(0.012)	-0.01	(0.014)	-0.00	(0.015)
Education						
Mex Am	-0.20***	(0.015)	-0.20***	(0.015)	-0.20***	(0.015)
Age	-0.06**	(0.021)	-0.06**	(0.021)	-0.06**	(0.021)
Female	-0.03*	(0.011)	-0.03*	(0.011)	-0.03*	(0.011)
Married	0.02*	(0.011)	0.02*	(0.011)	0.02*	(0.011)
Insurance	0.19***	(0.011)	0.19***	(0.011)	0.19***	(0.011)
Cohort	0.05*	(0.023)	0.05*	(0.023)	0.05*	(0.023)
Wave	-0.04***	(0.005)	-0.04***	(0.005)	-0.04***	(0.005)
Income						
Mex Am	-0.13***	(0.017)	-0.13***	(0.017)	-0.13***	(0.017)
Age	-0.01	(0.017)	-0.01	(0.017)	-0.01	(0.017)

Female	-0.01	(0.010)	-0.01	(0.010)	-0.01	(0.010)
Married	0.34***	(0.012)	0.34***	(0.012)	0.34***	(0.012)
Insurance	0.28***	(0.012)	0.28***	(0.012)	0.28***	(0.012)
Cohort	0.03	(0.020)	0.03	(0.020)	0.03	(0.020)
Wave	-0.05***	(0.010)	-0.05***	(0.010)	-0.05***	(0.010)
Wealth						
Mex Am	-0.08***	(0.015)	-0.08***	(0.015)	-0.08***	(0.015)
Age	0.11***	(0.021)	0.11***	(0.021)	0.11***	(0.021)
Female	0.01	(0.012)	0.01	(0.012)	0.01	(0.012)
Married	0.20***	(0.013)	0.20***	(0.013)	0.20***	(0.013)
Insurance	0.19***	(0.013)	0.19***	(0.013)	0.19***	(0.013)
Cohort	-0.12***	(0.026)	-0.12***	(0.026)	-0.12***	(0.026)
Wave	0.00	(0.009)	0.00	(0.009)	0.00	(0.009)
Discrim (daily)						
Education	-0.04**	(0.014)	-0.04**	(0.014)	-0.04**	(0.014)
Income	-0.02	(0.012)	-0.02	(0.012)	-0.02	(0.012)
Wealth	-0.10***	(0.013)	-0.10***	(0.013)	-0.10***	(0.013)
Mex Am	0.00	(0.013)	0.00	(0.013)	0.00	(0.013)
Age	-0.16***	(0.022)	-0.16***	(0.022)	-0.16***	(0.022)
Female	-0.09***	(0.011)	-0.09***	(0.011)	-0.09***	(0.011)
Married	-0.06***	(0.012)	-0.06***	(0.012)	-0.06***	(0.012)
Insurance	-0.02	(0.012)	-0.02	(0.012)	-0.02	(0.012)
Cohort	0.03	(0.025)	0.03	(0.025)	0.03	(0.025)
Wave	0.05***	(0.009)	0.05***	(0.009)	0.05***	(0.009)
White*Education	-0.02	(0.011)	-0.02	(0.011)	-0.02	(0.011)
White*Income	-0.01*	(0.006)	-0.01*	(0.006)	-0.01*	(0.006)
White*Wealth	0.01	(0.012)	0.01	(0.012)	0.01	(0.012)
Discrim (2+ att)						
Education	0.01	(0.012)	0.01	(0.012)	0.01	(0.012)
Income	-0.05***	(0.012)	-0.05***	(0.012)	-0.05***	(0.012)
Wealth	-0.09***	(0.012)	-0.09***	(0.012)	-0.09***	(0.012)
Mex Am	0.06***	(0.017)	0.06***	(0.017)	0.06***	(0.017)
Age	-0.08***	(0.020)	-0.08***	(0.020)	-0.08***	(0.020)
Female	0.04***	(0.011)	0.04***	(0.011)	0.04***	(0.011)
Married	-0.04***	(0.012)	-0.04***	(0.012)	-0.04***	(0.012)
Insurance	-0.02	(0.011)	-0.02	(0.011)	-0.02	(0.011)
Cohort	0.01	(0.023)	0.01	(0.023)	0.01	(0.023)
Wave	-0.06***	(0.010)	-0.06***	(0.010)	-0.06***	(0.010)
White*Education	-0.02	(0.010)	-0.02	(0.010)	-0.02	(0.010)
White*Income	-0.02*	(0.007)	-0.02*	(0.007)	-0.02*	(0.007)
White*Wealth	-0.01	(0.010)	-0.01	(0.010)	-0.01	(0.010)
Discrim (Major)						
Education	0.08***	(0.012)	0.08***	(0.012)	0.08***	(0.012)
Mex Am	0.01	(0.015)	0.01	(0.015)	0.01	(0.015)
Age	-0.16***	(0.020)	-0.16***	(0.020)	-0.16***	(0.020)

Female	-0.10***	(0.012)	-0.10***	(0.012)	-0.10***	(0.012)
Married	-0.07***	(0.012)	-0.07***	(0.012)	-0.07***	(0.012)
Insurance	-0.11***	(0.013)	-0.11***	(0.013)	-0.11***	(0.013)
Cohort	0.04	(0.024)	0.04	(0.024)	0.04	(0.024)
Wave	-0.00	(0.010)	-0.00	(0.010)	-0.00	(0.010)
White*Education	-0.02**	(0.009)	-0.02**	(0.009)	-0.02**	(0.009)
Chr. Stressors						
Education	-0.02*	(0.012)	-0.02*	(0.012)	-0.02*	(0.012)
Income	-0.05***	(0.012)	-0.05***	(0.012)	-0.05***	(0.012)
Wealth	-0.14***	(0.011)	-0.14***	(0.011)	-0.14***	(0.011)
Mex Am	0.04*	(0.020)	0.04*	(0.020)	0.04*	(0.020)
Age	-0.14***	(0.021)	-0.14***	(0.021)	-0.14***	(0.021)
Female	0.04***	(0.011)	0.04***	(0.011)	0.04***	(0.011)
Married	0.02*	(0.011)	0.02*	(0.011)	0.02*	(0.011)
Insurance	-0.05***	(0.011)	-0.05***	(0.011)	-0.05***	(0.011)
Cohort	0.04	(0.024)	0.04	(0.024)	0.04	(0.024)
Wave	-0.07***	(0.009)	-0.07***	(0.009)	-0.07***	(0.009)
White*Education	-0.04**	(0.012)	-0.04**	(0.012)	-0.04**	(0.012)
White*Income	-0.02	(0.009)	-0.02	(0.009)	-0.02	(0.009)
White*Wealth	-0.01	(0.011)	-0.00	(0.011)	-0.01	(0.011)
Trauma						
Education	0.02	(0.012)	0.02	(0.012)	0.02	(0.012)
Mex Am	0.02	(0.017)	0.02	(0.017)	0.02	(0.017)
Age	0.03	(0.021)	0.03	(0.021)	0.03	(0.021)
Female	-0.01	(0.011)	-0.01	(0.011)	-0.01	(0.011)
Married	-0.05***	(0.011)	-0.05***	(0.011)	-0.05***	(0.011)
Insurance	-0.10***	(0.012)	-0.10***	(0.012)	-0.10***	(0.012)
Cohort	-0.02	(0.024)	-0.02	(0.024)	-0.02	(0.024)
Wave	0.04***	(0.008)	0.04***	(0.008)	0.04***	(0.008)
White*Education	-0.04***	(0.010)	-0.04***	(0.010)	-0.04***	(0.010)
Financial Strain						
Education	-0.07***	(0.012)	-0.07***	(0.012)	-0.07***	(0.012)
Income	-0.15***	(0.015)	-0.14***	(0.015)	-0.15***	(0.015)
Wealth	-0.26***	(0.011)	-0.26***	(0.011)	-0.26***	(0.011)
Mex Am	0.03*	(0.014)	0.03*	(0.014)	0.03*	(0.014)
Age	-0.18***	(0.019)	-0.18***	(0.019)	-0.18***	(0.019)
Female	0.03**	(0.010)	0.03**	(0.010)	0.03**	(0.010)
Married	0.00	(0.011)	0.00	(0.011)	0.00	(0.011)
Insurance	-0.12***	(0.011)	-0.12***	(0.011)	-0.12***	(0.011)
Cohort	0.09***	(0.021)	0.09***	(0.021)	0.09***	(0.021)
Wave	0.02	(0.009)	0.02	(0.009)	0.02	(0.009)
White*Education	-0.03**	(0.009)	-0.03**	(0.009)	-0.03**	(0.009)
White*Income	-0.02*	(0.010)	-0.02*	(0.010)	-0.02*	(0.010)
White*Wealth	-0.03**	(0.009)	-0.03**	(0.009)	-0.03**	(0.009)
Disorder						

Education	-0.13***	(0.012)	-0.13***	(0.012)	-0.13***	(0.012)
Income	-0.06***	(0.012)	-0.06***	(0.012)	-0.06***	(0.012)
Wealth	-0.10***	(0.012)	-0.10***	(0.012)	-0.10***	(0.012)
Mex Am	0.07***	(0.015)	0.07***	(0.015)	0.07***	(0.015)
Age	-0.03	(0.019)	-0.03	(0.019)	-0.03	(0.019)
Female	-0.01	(0.010)	-0.01	(0.010)	-0.01	(0.010)
Married	-0.03*	(0.011)	-0.03*	(0.011)	-0.03*	(0.011)
Insurance	-0.05***	(0.011)	-0.05***	(0.011)	-0.05***	(0.011)
Cohort	0.03	(0.021)	0.03	(0.021)	0.03	(0.021)
Wave	-0.02*	(0.009)	-0.02*	(0.009)	-0.02*	(0.009)
White*Education	-0.02	(0.012)	-0.02	(0.012)	-0.02	(0.012)
White*Income	-0.01	(0.008)	-0.01	(0.008)	-0.01	(0.008)
White*Wealth	-0.01	(0.009)	-0.01	(0.009)	-0.01	(0.009)
Mistrust						
Education	-0.07***	(0.012)	-0.07***	(0.012)	-0.07***	(0.012)
Income	-0.05***	(0.012)	-0.05***	(0.012)	-0.05***	(0.012)
Wealth	-0.11***	(0.012)	-0.11***	(0.012)	-0.11***	(0.012)
Mex Am	0.02	(0.014)	0.02	(0.014)	0.02	(0.014)
Age	-0.09***	(0.020)	-0.09***	(0.020)	-0.09***	(0.020)
Female	-0.05***	(0.010)	-0.05***	(0.010)	-0.05***	(0.010)
Married	-0.05***	(0.011)	-0.05***	(0.011)	-0.05***	(0.011)
Insurance	-0.03**	(0.011)	-0.03**	(0.011)	-0.03**	(0.011)
Cohort	0.00	(0.022)	0.00	(0.022)	0.00	(0.022)
Wave	-0.00	(0.009)	-0.00	(0.009)	-0.00	(0.009)
White*Education	-0.02	(0.010)	-0.02	(0.010)	-0.02	(0.010)
White*Income	0.00	(0.007)	0.00	(0.007)	0.00	(0.007)
White*Wealth	-0.01	(0.010)	-0.01	(0.010)	-0.01	(0.010)
N	26935		26935		26935	

Standardized beta coefficients. Covariance, variance, and intercept estimates excluded for brevity.

* p<0.05; ** p<0.01; *** p<0.001

Appendix C. Moderated Mediation Models, by Gender

On the one hand, we found no evidence of gender differences in the direction of mediation. On the other hand, several findings of potential gender differences in the magnitude of mediation are suggestive of complex intersectional patterns.

Appendix Table C1. Moderated Mediation Estimates of Black-White Gaps in Health, by Gender

Panel A: Serial Moderated Mediation among Women

	Self-rated health				Cumulative Biological Risk				Functional Limitations			
	Beta		t stat	SE	Beta		t stat	SE	Beta		t stat	SE
Total effect	-0.21	***	-12.65	0.02	0.23	***	12.49	0.02	0.14	***	7.81	0.02
Indirect effect	-0.14	***	-15.24	0.01	0.08	***	10.75	0.01	0.13	***	14.66	0.01
Proportion Mediated		0.68				0.33				0.99		
Mediators (proportion of total effect)												
Education	0.13	***	7.49	0.02	0.06	***	5.09	0.01	0.17	***	6.65	0.02
Income	0.17	***	7.79	0.02	0.06	***	3.83	0.02	0.25	***	6.83	0.04
Wealth	0.17	***	8.03	0.02	0.12	***	6.54	0.02	0.27	***	7.96	0.03
Discrim (daily)	0.00		1.25	0.00	0.00		-0.14	0.00	0.01		1.30	0.01
Discrim (2+ att)	0.03	**	3.28	0.01	0.05	***	4.82	0.01	0.08	***	4.73	0.02
Discrim (Major)	0.01		1.50	0.01	0.01		1.25	0.01	0.04	*	2.56	0.01
Chr. stressors	0.03	***	3.40	0.01	0.01	*	2.08	0.00	0.05	***	3.42	0.02
Traumas	-0.01		-1.10	0.01	0.00		-1.08	0.00	-0.01		-1.11	0.01
Financial strain	0.04	***	4.03	0.01	0.01	**	2.65	0.01	0.05	***	3.89	0.01
Disorder	0.04	*	2.47	0.02	0.02		0.92	0.02	0.05		1.79	0.03
Mistrust	0.05	***	3.59	0.01	0.00		0.11	0.01	0.05	*	2.01	0.02

Panel B: Serial Moderated Mediation among Men

	Self-rated health				Cumulative Biological Risk				Functional Limitations			
	Beta		t stat	SE	Beta		t stat	SE	Beta		t stat	SE
Total effect	-0.15	***	-7.53	0.02	0.14	***	6.38	0.02	0.12	***	5.46	0.02
Indirect effect	-0.14	***	-13.50	0.01	0.06	***	8.34	0.01	0.13	***	12.39	0.01
Proportion Mediated		0.90				0.45				1.10		
Mediators (proportion of total effect)												
Education	0.28	***	8.67	0.03	0.14	***	4.87	0.03	0.29	***	7.37	0.04
Income	0.14	***	5.49	0.02	0.01		0.69	0.02	0.11	***	4.42	0.02
Wealth	0.18	***	6.01	0.03	0.08	**	3.08	0.03	0.27	***	5.79	0.05
Discrim (daily)	0.03	*	2.24	0.01	0.01		0.58	0.01	0.04	*	2.28	0.02
Discrim (2+ att)	0.06	**	3.14	0.02	0.11	***	4.66	0.02	0.09	***	3.34	0.03
Discrim (Major)	-0.03	*	-2.16	0.02	0.02		0.85	0.02	0.03		1.23	0.02
Chr. stressors	0.08	***	4.59	0.02	0.02		1.83	0.01	0.07	***	3.67	0.02
Traumas	0.03	*	1.98	0.02	0.01		1.58	0.01	0.04	*	1.99	0.02
Financial strain	0.04	**	2.98	0.01	0.02	*	2.04	0.01	0.05	**	2.92	0.02
Disorder	0.05	*	1.98	0.03	-0.01		-0.25	0.03	0.10	**	2.71	0.04
Mistrust	0.05	*	2.44	0.02	0.03		1.09	0.02	0.02		0.57	0.03

*<.05; **<.01; ***<.001

Appendix Table C2. Moderated Mediation Estimates of Mexican American-White Gaps in Health, by Gender

Panel A: Serial Moderated Mediation among Women

	Self-rated health				Cumulative Biological Risk				Functional Limitations			
	Beta		t stat	SE	Beta		t stat	SE	Beta		t stat	SE
Total effect	-0.12	***	-6.26	0.02	0.08	***	3.53	0.02	0.05	*	2.49	0.02
Indirect effect	-0.09	***	-9.42	0.01	0.05	***	8.15	0.01	0.08	***	8.69	0.01

*<.05; **<.01; ***<.001

	Beta		t stat	SE	Beta		t stat	SE	Beta		t stat	SE
Proportion Mediated		0.75				0.68				1.59		
Mediators (proportion of total effect)												
Education	0.33	***	7.97	0.04	0.33	***	5.84	0.06	0.60	***	6.64	0.09
Income	0.19	***	5.08	0.04	0.13	***	3.56	0.04	0.44	***	4.83	0.09
Wealth	0.09	***	3.48	0.02	0.10	**	3.28	0.03	0.22	***	3.50	0.06
Discrim (daily)	0.00		0.48	0.00	0.00		-0.54	0.00	0.01		0.62	0.01
Discrim (2+ att)	0.02		1.60	0.01	0.04		1.61	0.03	0.06		1.64	0.04
Discrim (Major)	0.00		0.82	0.00	0.01		0.97	0.01	0.01		0.97	0.01
Chr. stressors	0.05		1.95	0.03	0.02		1.51	0.02	0.12		1.84	0.06
Traumas	-0.01		-0.58	0.01	-0.01		-0.58	0.01	-0.02		-0.58	0.03
Financial strain	0.03		1.61	0.02	0.02		1.46	0.02	0.05		1.59	0.03
Disorder	0.02		1.64	0.01	0.02		0.73	0.02	0.06		1.72	0.04
Mistrust	0.02		1.57	0.01	0.00		0.55	0.01	0.04		1.50	0.02

Panel B: Serial Moderated Mediation among Men

	Self-rated health				Cumulative Biological Risk				Functional Limitations			
	Beta		t stat	SE	Beta		t stat	SE	Beta		t stat	SE
Total effect	-0.14	***	-6.87	0.02	0.10	***	4.08	0.02	0.11	***	4.99	0.02
Indirect effect	-0.09	***	-7.83	0.01	0.05	***	7.00	0.01	0.08	***	7.57	0.01
Proportion Mediated		0.59				0.47				0.68		
Mediators (proportion of total effect)												
Education	0.29	***	7.13	0.04	0.23	***	5.23	0.04	0.30	***	6.57	0.05
Income	0.10	***	3.74	0.03	0.02		1.20	0.02	0.09	***	3.42	0.03
Wealth	0.08	***	3.63	0.02	0.07	**	3.06	0.02	0.12	***	3.69	0.03
Discrim (daily)	0.00		-0.60	0.01	0.00		-0.53	0.00	-0.01		-0.61	0.01
Discrim (2+ att)	0.03	*	2.43	0.01	0.07	**	2.84	0.03	0.05	*	2.64	0.02
Discrim (Major)	0.00		0.15	0.00	0.00		-0.14	0.00	0.00		-0.14	0.00
Chr. stressors	0.03		1.13	0.02	0.01		0.96	0.01	0.02		1.12	0.02
Traumas	0.04		1.91	0.02	0.03		1.66	0.02	0.05		1.92	0.02
Financial strain	0.02		1.56	0.01	0.02		1.54	0.01	0.03		1.61	0.02
Disorder	0.01		1.51	0.01	0.01		0.82	0.01	0.02		1.73	0.01
Mistrust	0.00		0.35	0.01	0.00		0.31	0.00	0.00		-0.04	0.00