

Table e1.

Tests of three-way interaction (IV by gender by race) for each path in model.

DV	IV	Null Chi-square	<i>p</i> -value
SMOKING	RESP. ED.	32.00	.0001
	PAR. ED.	17.85	.0005
	INCOME	9.87	.0197
	BLT. ENV.	0.91	.82
ALCOHOL	RESP. ED.	21.93	.0001
	PAR. ED.	16.25	.001
	INCOME	4.77	.19
	BLT. ENV.	2.96	.40
BMI	RESP. ED.	18.73	.0003
	PAR. ED.	17.69	.0005
	INCOME	21.00	.0001
	BLT. ENV.	6.96	.07
CRP	SMOKING	22.67	.0001
	ALCOHOL	2.36	.50
	BMI	2.86	.41
	RESP. ED.	3.86	.28
	PAR. ED.	2.70	.44
	INCOME	2.34	.51
	BLT. ENV.	2.50	.48

IV = Independent variable; DV = dependent variable

The null chi-square test compares a model in which a given path coefficient is constrained to be equal across all four gender/race groups to a model in which the same path coefficient is free to vary across groups. This is analogous to a test of a 3-way interaction (independent variable by Sex by Race).