

Path Analysis

Models Info

Estimation Method	DWLS
Number of observations	106
Free parameters	60
Converged	TRUE
Loglikelihood unrestricted model	-540.794
Model	<code>`relationship violence` ~ `executive function` + `adolescent substance use` + `childhood maltreatment` + `prenatal cocaine exposure status` + `maternal race` + `maternal education` + birthweight</code> <code>`executive function` ~ `adolescent substance use` + `childhood maltreatment` + `prenatal cocaine exposure status` + `maternal race` + `maternal education` + birthweight</code> <code>`adolescent substance use` ~ `childhood maltreatment` + `prenatal cocaine exposure status` + `maternal race` + `maternal education` + birthweight</code> <code>`childhood maltreatment` ~ `prenatal cocaine exposure status` + `maternal race` + `maternal education` + birthweight</code>

Note. lavaan WARNING: only 813 bootstrap draws were successful

Overall Tests

Model Tests			
Label	X ²	df	p
User Model	6.72	8	0.568
Baseline Model	114.92	52	< .001
Groups statistics			
Group 1	0.00	0	1.000
Group 2	0.00	0	1.000

Fit Indices				
SRMR	RMSEA	RMSEA 95% CI		RMSEA p
		Lower	Upper	
0.037	0.000	0.000	0.145	0.656

Fit Indices					
CFI	TLI	RNI	GFI	adj. GFI	pars. GFI
1.000	1.133	1.020	0.998	0.975	0.074

Estimates

R-squared

Group	Variable	R ²	95% Confidence Intervals		Wald X ²	df	p
			Lower	Upper			
female	relationship violence	0.0930	0.015	0.219	8.16	8	0.418
	executive function	0.1866	0.069	0.331	15.71	7	0.028
	adolescent substance use	0.2465	0.114	0.394	20.73	6	0.002
	childhood maltreatment	0.0563	0.002	0.168	4.08	5	0.538
male	relationship violence	0.3735	0.226	0.516	36.82	8	< .001
	executive function	0.2256	0.098	0.373	17.24	7	0.016
	adolescent substance use	0.1671	0.056	0.309	47.80	6	< .001
	childhood maltreatment	0.0766	0.008	0.197	7.37	5	0.194

Group	Dep	Pred	Estimate	SE	95% Confidence Intervals		β	z	p
					Lower	Upper			
female	relationship violence	executive function	0.17777	0.151	-0.11601	0.47065	0.19000	1.1752	0.240
	relationship violence	adolescent substance use	-0.12646	0.142	-0.41812	0.12802	-0.14946	-0.8903	0.373
	relationship violence	childhood maltreatment	0.21496	0.184	-0.12280	0.58337	0.19627	1.1684	0.243
	relationship violence	prenatal cocaine exposure status	-0.16264	0.160	-0.50039	0.12258	-0.14443	-1.0159	0.310
	relationship violence	maternal race1	-0.19245	0.347	-0.87934	0.54087	-0.03991	-0.5546	0.579
	relationship violence	maternal race2	-0.33632	0.417	-1.31812	0.35521	-0.12393	-0.8066	0.420
	relationship violence	maternal education1	-0.12955	0.307	-0.69057	0.47315	-0.06677	-0.4215	0.673
	relationship violence	birthweight	5.08e-5	8.69e-5	-9.26e-5	2.41e-4	0.03255	0.5846	0.559
	executive function	adolescent substance use	0.32110	0.134	0.08175	0.62059	0.35508	2.4014	0.016
	executive function	childhood maltreatment	0.17012	0.161	-0.18150	0.46055	0.14533	1.0535	0.292
	executive function	prenatal cocaine exposure status	-0.07120	0.144	-0.36600	0.21647	-0.05916	-0.4932	0.622
	executive function	maternal race1	-0.19403	0.493	-1.19057	0.79211	-0.03765	-0.3932	0.694
	executive function	maternal race2	-0.28770	0.431	-1.23868	0.50050	-0.09919	-0.6673	0.505
	executive function	maternal education1	-0.00601	0.325	-0.67255	0.61979	-0.00290	-0.0185	0.985
	executive function	birthweight	1.31e-4	9.24e-5	-5.27e-5	3.07e-4	0.07858	1.4177	0.156
	adolescent substance use	childhood maltreatment	0.44841	0.180	0.12907	0.84346	0.34641	2.4892	0.013
	adolescent substance use	prenatal cocaine exposure status	0.10967	0.169	-0.22396	0.45391	0.08240	0.6472	0.517
	adolescent substance use	maternal race1	0.57053	0.421	-0.00186	1.64812	0.10011	1.3551	0.175
	adolescent substance use	maternal race2	-0.19562	0.608	-1.48916	0.87219	-0.06099	-0.3215	0.748
	adolescent substance use	maternal education1	-0.56518	0.249	-1.05063	-0.10549	-0.24647	-2.2684	0.023
	adolescent substance use	birthweight	-4.51e-5	1.01e-4	-2.51e-4	1.43e-4	-0.02447	-0.4486	0.654
	childhood maltreatment	prenatal cocaine exposure status	0.22217	0.130	-0.03296	0.46089	0.21608	1.7058	0.088
	childhood maltreatment	maternal race1	0.13630	0.223	-0.33787	0.52351	0.03096	0.6124	0.540
	childhood maltreatment	maternal race2	0.22314	0.390	-0.50973	1.00966	0.09005	0.5715	0.568
	childhood maltreatment	maternal education1	0.02558	0.240	-0.44657	0.49520	0.01444	0.1067	0.915
	childhood maltreatment	birthweight	-1.15e-4	6.45e-5	-2.34e-4	8.79e-6	-0.08049	-1.7784	0.075
male	relationship violence	executive function	0.40963	0.197	-0.07781	0.71862	0.37208	2.0820	0.037
	relationship violence	adolescent substance use	0.21525	0.198	-0.16494	0.62209	0.17798	1.0877	0.277
	relationship violence	childhood maltreatment	0.01703	0.151	-0.33554	0.26603	0.01812	0.1128	0.910
	relationship violence	prenatal cocaine exposure status	0.01682	0.160	-0.30977	0.28220	0.01368	0.1051	0.916
	relationship violence	maternal race1	1.06145	0.786	-0.19866	2.86291	0.23086	1.3511	0.177
	relationship violence	maternal race2	-0.47255	0.407	-1.34776	0.22774	-0.15922	-1.1599	0.246
	relationship violence	maternal education1	0.49330	0.377	-0.13909	1.33420	0.21315	1.3084	0.191
	relationship violence	birthweight	5.95e-6	1.02e-4	-1.89e-4	1.97e-4	0.00359	0.0583	0.954
	executive function	adolescent substance use	0.32753	0.179	-0.03303	0.66044	0.29816	1.8295	0.067
	executive function	childhood maltreatment	-0.03449	0.154	-0.27421	0.32430	-0.04039	-0.2239	0.823
	executive function	prenatal cocaine exposure status	-0.07276	0.161	-0.38432	0.24984	-0.06513	-0.4508	0.652
	executive function	maternal race1	0.99895	0.659	-0.26906	2.30558	0.23919	1.5165	0.129
	executive function	maternal race2	-0.49339	0.392	-1.33852	0.17583	-0.18302	-1.2579	0.208
	executive function	maternal education1	0.72890	0.278	0.21314	1.29314	0.34672	2.6196	0.009
	executive function	birthweight	-9.20e-5	9.90e-5	-2.74e-4	1.24e-4	-0.06105	-0.9294	0.353

Parameter Estimates

Group	Dep	Pred	Estimate	SE	95% Confidence Intervals		β	z	p
					Lower	Upper			
	adolescent substance use	childhood maltreatment	-0.26043	0.142	-0.51945	0.00687	-0.33503	-1.8398	0.066
	adolescent substance use	prenatal cocaine exposure status	-0.03755	0.160	-0.36077	0.27975	-0.03692	-0.2342	0.815
	adolescent substance use	maternal race1	0.05038	0.254	-0.35338	0.62816	0.01325	0.1985	0.843
	adolescent substance use	maternal race2	-0.12807	0.315	-0.72839	0.54242	-0.05219	-0.4063	0.685
	adolescent substance use	maternal education1	-0.34865	0.205	-0.78586	0.01098	-0.18218	-1.7035	0.088
	adolescent substance use	birthweight	8.61e-5	8.91e-5	-1.08e-4	2.39e-4	0.06278	0.9665	0.334
	childhood maltreatment	prenatal cocaine exposure status	-0.19507	0.158	-0.50867	0.10067	-0.14910	-1.2380	0.216
	childhood maltreatment	maternal race1	0.16379	0.573	-1.10356	1.24611	0.03349	0.2861	0.775
	childhood maltreatment	maternal race2	-0.38069	0.464	-1.34012	0.43954	-0.12059	-0.8211	0.412
	childhood maltreatment	maternal education1	0.47058	0.269	-0.03930	0.98952	0.19115	1.7499	0.080
	childhood maltreatment	birthweight	8.09e-5	1.14e-4	-1.18e-4	3.22e-4	0.04585	0.7091	0.478

Group	Variable 1	Variable 2	Estimate	SE	95% Confidence Intervals		β	z	p	Method	Type
					Lower	Upper					
	prenatal cocaine exposure status	maternal race2	-0.14550	0.000	-0.14550	-0.14550	-0.46163			Sample	Variables
	prenatal cocaine exposure status	maternal education1	-0.11284	0.000	-0.11284	-0.11284	-0.27919			Sample	Variables
	prenatal cocaine exposure status	birthweight	-241.19267	0.000	-241.19267	-241.19267	-0.42773			Sample	Variables
	maternal race1	maternal race1	0.05443	0.000	0.05443	0.05443	1.00000			Sample	Variables
	maternal race1	maternal race2	-0.00871	0.000	-0.00871	-0.00871	-0.10328			Sample	Variables
	maternal race1	maternal education1	-0.04028	0.000	-0.04028	-0.04028	-0.37249			Sample	Variables
	maternal race1	birthweight	0.68433	0.000	0.68433	0.68433	0.00454			Sample	Variables
	maternal race2	maternal race2	0.13062	0.000	0.13062	0.13062	1.00000			Sample	Variables
	maternal race2	maternal education1	-0.01125	0.000	-0.01125	-0.01125	-0.06715			Sample	Variables
	maternal race2	birthweight	81.69666	0.000	81.69666	81.69666	0.34959			Sample	Variables
	maternal education1	maternal education1	0.21480	0.000	0.21480	0.21480	1.00000			Sample	Variables
	maternal education1	birthweight	9.68360	0.000	9.68360	9.68360	0.03231			Sample	Variables
	birthweight	birthweight	418092.86938	0.000	418092.86938	418092.86938	1.00000			Sample	Variables

Label	Description	Parameter	Estimate	SE	95% Confidence Intervals		β	z	p
					Lower	Upper			
IE1	(adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₁	p9*p1	0.057	0.053	-0.055	0.174	0.067	1.068	0.285
IE2	(childhood maltreatment \Rightarrow executive function \Rightarrow relationship violence) ₁	p10*p1	0.030	0.048	-0.038	0.144	0.028	0.625	0.532
IE3	(childhood maltreatment \Rightarrow adolescent substance use \Rightarrow relationship violence) ₁	p16*p2	-0.057	0.080	-0.279	0.060	-0.052	-0.709	0.478
IE4	(childhood maltreatment \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₁	p16*p9*p1	0.026	0.029	-0.022	0.099	0.023	0.881	0.378
IE5	(prenatal cocaine exposure status \Rightarrow executive function \Rightarrow relationship violence) ₁	p11*p1	-0.013	0.034	-0.079	0.058	-0.011	-0.372	0.710
IE6	(prenatal cocaine exposure status \Rightarrow adolescent substance use \Rightarrow relationship violence) ₁	p17*p2	-0.014	0.036	-0.104	0.043	-0.012	-0.385	0.700
IE7	(prenatal cocaine exposure status \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₁	p17*p9*p1	0.006	0.015	-0.019	0.042	0.006	0.413	0.679
IE8	(prenatal cocaine exposure status \Rightarrow childhood maltreatment \Rightarrow relationship violence) ₁	p22*p3	0.048	0.054	-0.031	0.180	0.042	0.879	0.380
IE9	(prenatal cocaine exposure status \Rightarrow childhood maltreatment \Rightarrow executive function \Rightarrow relationship violence) ₁	p22*p10*p1	0.007	0.012	-0.010	0.038	0.006	0.553	0.581
IE10	(prenatal cocaine exposure status \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow relationship violence) ₁	p22*p16*p2	-0.013	0.022	-0.071	0.014	-0.011	-0.576	0.565
IE11	(prenatal cocaine exposure status \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₁	p22*p16*p9*p1	0.006	0.008	-0.005	0.026	0.005	0.734	0.463
IE12	(maternal race1 \Rightarrow executive function \Rightarrow relationship violence) ₁	p12*p1	-0.034	0.112	-0.310	0.202	-0.007	-0.308	0.758
IE13	(maternal race1 \Rightarrow adolescent substance use \Rightarrow relationship violence) ₁	p18*p2	-0.072	0.126	-0.407	0.073	-0.015	-0.572	0.568
IE14	(maternal race1 \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₁	p18*p9*p1	0.033	0.048	-0.034	0.155	0.007	0.682	0.495
IE15	(maternal race1 \Rightarrow childhood maltreatment \Rightarrow relationship violence) ₁	p23*p3	0.029	0.071	-0.109	0.183	0.006	0.414	0.679
IE16	(maternal race1 \Rightarrow childhood maltreatment \Rightarrow executive function \Rightarrow relationship violence) ₁	p23*p10*p1	0.004	0.014	-0.022	0.040	0.001	0.290	0.771
IE17	(maternal race1 \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow relationship violence) ₁	p23*p16*p2	-0.008	0.028	-0.080	0.035	-0.002	-0.275	0.783
IE18	(maternal race1 \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₁	p23*p16*p9*p1	0.003	0.010	-0.013	0.031	0.001	0.334	0.738
IE19	(maternal race2 \Rightarrow executive function \Rightarrow relationship violence) ₁	p13*p1	-0.051	0.106	-0.294	0.143	-0.019	-0.480	0.631
IE20	(maternal race2 \Rightarrow adolescent substance use \Rightarrow relationship violence) ₁	p19*p2	0.025	0.131	-0.218	0.293	0.009	0.188	0.851
IE21	(maternal race2 \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₁	p19*p9*p1	-0.011	0.046	-0.089	0.093	-0.004	-0.245	0.807
IE22	(maternal race2 \Rightarrow childhood maltreatment \Rightarrow relationship violence) ₁	p24*p3	0.048	0.136	-0.181	0.405	0.018	0.353	0.724
IE23	(maternal race2 \Rightarrow childhood maltreatment \Rightarrow executive function \Rightarrow relationship violence) ₁	p24*p10*p1	0.007	0.026	-0.034	0.062	0.002	0.260	0.795
IE24	(maternal race2 \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow relationship violence) ₁	p24*p16*p2	-0.013	0.049	-0.139	0.059	-0.005	-0.260	0.795
IE25	(maternal race2 \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₁	p24*p16*p9*p1	0.006	0.015	-0.023	0.040	0.002	0.372	0.710
IE26	(maternal education1 \Rightarrow executive function \Rightarrow relationship violence) ₁	p14*p1	-0.001	0.075	-0.174	0.162	-0.001	-0.014	0.989
IE27	(maternal education1 \Rightarrow adolescent substance use \Rightarrow relationship violence) ₁	p20*p2	0.071	0.089	-0.098	0.274	0.037	0.805	0.421
IE28	(maternal education1 \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₁	p20*p9*p1	-0.032	0.032	-0.106	0.029	-0.017	-1.004	0.316

Note. Description subscripts refer to groups, with 1= group female, 2= group male

Label	Description	Parameter	Estimate	SE	95% Confidence Intervals		β	z	p
					Lower	Upper			
IE29	(maternal education1 \Rightarrow childhood maltreatment \Rightarrow relationship violence) ₁	p25*p3	0.005	0.073	-0.140	0.177	0.003	0.075	0.940
IE30	(maternal education1 \Rightarrow childhood maltreatment \Rightarrow executive function \Rightarrow relationship violence) ₁	p25*p10*p1	0.001	0.013	-0.027	0.027	0.000	0.061	0.951
IE31	(maternal education1 \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow relationship violence) ₁	p25*p16*p2	-0.001	0.027	-0.060	0.060	-0.001	-0.055	0.956
IE32	(maternal education1 \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₁	p25*p16*p9*p1	0.001	0.009	-0.021	0.020	0.000	0.072	0.943
IE33	(birthweight \Rightarrow executive function \Rightarrow relationship violence) ₁	p15*p1	0.000	0.000	-0.000	0.000	0.015	0.832	0.405
IE34	(birthweight \Rightarrow adolescent substance use \Rightarrow relationship violence) ₁	p21*p2	0.000	0.000	-0.000	0.000	0.004	0.287	0.774
IE35	(birthweight \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₁	p21*p9*p1	-0.000	0.000	-0.000	0.000	-0.002	-0.311	0.756
IE36	(birthweight \Rightarrow childhood maltreatment \Rightarrow relationship violence) ₁	p26*p3	-0.000	0.000	-0.000	0.000	-0.016	-0.903	0.366
IE37	(birthweight \Rightarrow childhood maltreatment \Rightarrow executive function \Rightarrow relationship violence) ₁	p26*p10*p1	-0.000	0.000	-0.000	0.000	-0.002	-0.561	0.575
IE38	(birthweight \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow relationship violence) ₁	p26*p16*p2	0.000	0.000	-0.000	0.000	0.004	0.542	0.588
IE39	(birthweight \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₁	p26*p16*p9*p1	-0.000	0.000	-0.000	0.000	-0.002	-0.709	0.478
IE40	(adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₂	p63*p55	0.134	0.093	-0.049	0.342	0.111	1.438	0.150
IE41	(childhood maltreatment \Rightarrow executive function \Rightarrow relationship violence) ₂	p64*p55	-0.014	0.067	-0.149	0.144	-0.015	-0.211	0.833
IE42	(childhood maltreatment \Rightarrow adolescent substance use \Rightarrow relationship violence) ₂	p70*p56	-0.056	0.064	-0.220	0.045	-0.060	-0.870	0.384
IE43	(childhood maltreatment \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₂	p70*p63*p55	-0.035	0.037	-0.135	0.009	-0.037	-0.946	0.344
IE44	(prenatal cocaine exposure status \Rightarrow executive function \Rightarrow relationship violence) ₂	p65*p55	-0.030	0.070	-0.194	0.105	-0.024	-0.427	0.669
IE45	(prenatal cocaine exposure status \Rightarrow adolescent substance use \Rightarrow relationship violence) ₂	p71*p56	-0.008	0.046	-0.094	0.103	-0.007	-0.174	0.862
IE46	(prenatal cocaine exposure status \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₂	p71*p63*p55	-0.005	0.025	-0.063	0.042	-0.004	-0.204	0.839
IE47	(prenatal cocaine exposure status \Rightarrow childhood maltreatment \Rightarrow relationship violence) ₂	p76*p57	-0.003	0.043	-0.076	0.097	-0.003	-0.077	0.938
IE48	(prenatal cocaine exposure status \Rightarrow childhood maltreatment \Rightarrow executive function \Rightarrow relationship violence) ₂	p76*p64*p55	0.003	0.019	-0.036	0.047	0.002	0.146	0.884
IE49	(prenatal cocaine exposure status \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow relationship violence) ₂	p76*p70*p56	0.011	0.018	-0.012	0.058	0.009	0.600	0.548
IE50	(prenatal cocaine exposure status \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₂	p76*p70*p63*p55	0.007	0.013	-0.004	0.044	0.006	0.541	0.588
IE51	(maternal race1 \Rightarrow executive function \Rightarrow relationship violence) ₂	p66*p55	0.409	0.308	-0.200	0.974	0.089	1.330	0.184
IE52	(maternal race1 \Rightarrow adolescent substance use \Rightarrow relationship violence) ₂	p72*p56	0.011	0.076	-0.108	0.196	0.002	0.143	0.886
IE53	(maternal race1 \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₂	p72*p63*p55	0.007	0.038	-0.058	0.103	0.001	0.179	0.858
IE54	(maternal race1 \Rightarrow childhood maltreatment \Rightarrow relationship violence) ₂	p77*p57	0.003	0.094	-0.226	0.156	0.001	0.030	0.976
IE55	(maternal race1 \Rightarrow childhood maltreatment \Rightarrow executive function \Rightarrow relationship violence) ₂	p77*p64*p55	-0.002	0.042	-0.068	0.116	-0.001	-0.055	0.956
IE56	(maternal race1 \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow relationship violence) ₂	p77*p70*p56	-0.009	0.054	-0.135	0.092	-0.002	-0.170	0.865

Note. Description subscripts refer to groups, with 1= group female, 2= group male

Defined Parameters

Label	Description	Parameter	Estimate	SE	95% Confidence Intervals		β	z	p
					Lower	Upper			
IE57	(maternal race1 \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₂	p77*p70*p63*p55	-0.006	0.031	-0.078	0.063	-0.001	-0.186	0.852
IE58	(maternal race2 \Rightarrow executive function \Rightarrow relationship violence) ₂	p67*p55	-0.202	0.198	-0.688	0.097	-0.068	-1.021	0.307
IE59	(maternal race2 \Rightarrow adolescent substance use \Rightarrow relationship violence) ₂	p73*p56	-0.028	0.092	-0.223	0.151	-0.009	-0.299	0.765
IE60	(maternal race2 \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₂	p73*p63*p55	-0.017	0.048	-0.121	0.085	-0.006	-0.361	0.718
IE61	(maternal race2 \Rightarrow childhood maltreatment \Rightarrow relationship violence) ₂	p78*p57	-0.006	0.096	-0.208	0.192	-0.002	-0.067	0.946
IE62	(maternal race2 \Rightarrow childhood maltreatment \Rightarrow executive function \Rightarrow relationship violence) ₂	p78*p64*p55	0.005	0.046	-0.066	0.123	0.002	0.116	0.908
IE63	(maternal race2 \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow relationship violence) ₂	p78*p70*p56	0.021	0.046	-0.042	0.150	0.007	0.467	0.640
IE64	(maternal race2 \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₂	p78*p70*p63*p55	0.013	0.026	-0.020	0.072	0.004	0.513	0.608
IE65	(maternal education1 \Rightarrow executive function \Rightarrow relationship violence) ₂	p68*p55	0.299	0.176	-0.032	0.657	0.129	1.698	0.089
IE66	(maternal education1 \Rightarrow adolescent substance use \Rightarrow relationship violence) ₂	p74*p56	-0.075	0.076	-0.245	0.055	-0.032	-0.983	0.326
IE67	(maternal education1 \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₂	p74*p63*p55	-0.047	0.043	-0.146	0.016	-0.020	-1.100	0.271
IE68	(maternal education1 \Rightarrow childhood maltreatment \Rightarrow relationship violence) ₂	p79*p57	0.008	0.071	-0.132	0.145	0.003	0.113	0.910
IE69	(maternal education1 \Rightarrow childhood maltreatment \Rightarrow executive function \Rightarrow relationship violence) ₂	p79*p64*p55	-0.007	0.028	-0.069	0.047	-0.003	-0.234	0.815
IE70	(maternal education1 \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow relationship violence) ₂	p79*p70*p56	-0.026	0.040	-0.134	0.016	-0.011	-0.656	0.512
IE71	(maternal education1 \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₂	p79*p70*p63*p55	-0.016	0.020	-0.071	0.005	-0.007	-0.820	0.412
IE72	(birthweight \Rightarrow executive function \Rightarrow relationship violence) ₂	p69*p55	-0.000	0.000	-0.000	0.000	-0.023	-0.915	0.360
IE73	(birthweight \Rightarrow adolescent substance use \Rightarrow relationship violence) ₂	p75*p56	0.000	0.000	-0.000	0.000	0.011	0.645	0.519
IE74	(birthweight \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₂	p75*p63*p55	0.000	0.000	-0.000	0.000	0.007	0.747	0.455
IE75	(birthweight \Rightarrow childhood maltreatment \Rightarrow relationship violence) ₂	p80*p57	0.000	0.000	-0.000	0.000	0.001	0.060	0.953
IE76	(birthweight \Rightarrow childhood maltreatment \Rightarrow executive function \Rightarrow relationship violence) ₂	p80*p64*p55	-0.000	0.000	-0.000	0.000	-0.001	-0.111	0.912
IE77	(birthweight \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow relationship violence) ₂	p80*p70*p56	-0.000	0.000	-0.000	0.000	-0.003	-0.401	0.689
IE78	(birthweight \Rightarrow childhood maltreatment \Rightarrow adolescent substance use \Rightarrow executive function \Rightarrow relationship violence) ₂	p80*p70*p63*p55	-0.000	0.000	-0.000	0.000	-0.002	-0.437	0.662

Note. Description subscripts refer to groups, with 1= group female, 2= group male

Contrasts Definition

Name	Contrast
maternal race1	Hispanic - African American
maternal race2	Caucasian - African American
maternal education1	highschool - below highschool