Path Analysis

Models Info

Estimation Method	DWLS
Number of observations	121
Free parameters	24
Converged	TRUE
Loglikelihood unrestricted model	-970.176
Model	`Young Adult Relationship Violence` ~ `Late Adolescent EF Impairment` + `Childhood Maltreatment` + `prenatal cocaine exposure status` + `Maternal Race` + mhiedu + Birthweight
	`Late Adolescent EF Impairment` ~ `Childhood Maltreatment` + `prenatal cocaine exposure status` + `Maternal Race` + mhiedu + Birthweight
	`Childhood Maltreatment` ~ `prenatal cocaine exposure status` + `Maternal Race` + mhiedu + Birthweight

Note. lavaan WARNING: only 998 bootstrap draws were successful

Overall Tests

Model Tests

Label	X²	df	p
Baseline Model	35.6	18	0.008

Fit Indices

		RMSEA 95% CI		
SRMR	RMSEA	Lower	Upper	RMSEA p
0.000	0.000	0.000	0.000	NaN

Fit Indices

CFI	TLI	RNI	GFI	adj. GFI	pars. GFI
1.000	1.000	1.000	1.000	1.000	0.000

Estimates

R-squared

Variable	R²	95% Confidence Intervals		Wald X²	df	p
		Lower	Upper			
Young Adult Relationship Violence	0.2028	0.087	0.339	38.91	7	< .001
Late Adolescent EF Impairment	0.0478	0.002	0.146	7.03	6	0.318
Childhood Maltreatment	0.0103	0.006	0.076	1.02	5	0.961

Parameter Estimates

Dep	Pred	Estimate	SE	95% Confidence Intervals		β	z	p
				Lower	Upper			
Young Adult Relationship Violence	Late Adolescent EF Impairment	0.3035	0.0930	0.1235	0.4793	0.30354	3.26473	0.001
Young Adult Relationship Violence	Childhood Maltreatment	0.0695	0.0884	-0.1146	0.2311	0.06948	0.78596	0.432
Young Adult Relationship Violence	prenatal cocaine exposure status	-0.1009	0.1097	-0.3070	0.1115	-0.08662	-0.91940	0.358
Young Adult Relationship Violence	Maternal Race1	1.0585	0.7110	-0.1280	2.5046	0.23074	1.48874	0.137
Young Adult Relationship Violence	Maternal Race2	-0.4188	0.2152	-0.8664	-0.0192	-0.13858	-1.94617	0.052
Young Adult Relationship Violence	mhiedu1	0.1092	0.1832	-0.2788	0.4649	0.05188	0.59574	0.551
Young Adult Relationship Violence	Birthweight	-3.55e-5	1.58e-4	-3.39e-4	2.82e-4	-0.02243	-0.22427	0.823
Late Adolescent EF Impairment	Childhood Maltreatment	0.1206	0.1102	-0.0785	0.3527	0.12056	1.09389	0.274
Late Adolescent EF Impairment	prenatal cocaine exposure status	0.0252	0.1488	-0.2589	0.3231	0.02167	0.16962	0.865
Late Adolescent EF Impairment	Maternal Race1	0.3479	0.3477	-0.3201	1.0485	0.07583	1.00047	0.317
Late Adolescent EF Impairment	Maternal Race2	-0.4424	0.2587	-0.9129	0.0742	-0.14640	-1.71026	0.087
Late Adolescent EF Impairment	mhiedu1	0.0465	0.2190	-0.3790	0.4826	0.02212	0.21251	0.832
Late Adolescent EF Impairment	Birthweight	1.06e-4	1.64e-4	-2.09e-4	4.33e-4	0.06666	0.64481	0.519
Childhood Maltreatment	prenatal cocaine exposure status	-7.43e-4	0.1187	-0.2408	0.2254	-6.38e-4	-0.00626	0.995
Childhood Maltreatment	Maternal Race1	0.0293	0.2937	-0.5266	0.6154	0.00638	0.09968	0.921
Childhood Maltreatment	Maternal Race2	-0.1343	0.2916	-0.7186	0.4548	-0.04445	-0.46074	0.645
Childhood Maltreatment	mhiedu1	0.1561	0.1843	-0.2089	0.5201	0.07419	0.84705	0.397
Childhood Maltreatment	Birthweight	9.11e-5	2.17e-4	-3.13e-4	5.43e-4	0.05749	0.41906	0.675

Variances and Covariances

Variable 1	Variable 2	Estimate	SE	95% Confidence Intervals		β	z	p	Method	Type
				Lower	Upper					
Young Adult Relationship Violence	Young Adult Relationship Violence	0.79719	0.105	0.53012	0.93723	0.79719	7.61	< .001	Estim	Residuals
Late Adolescent EF Impairment	Late Adolescent EF Impairment	0.95216	0.103	0.68885	1.09903	0.95216	9.29	< .001	Estim	Residuals
Childhood Maltreatment	Childhood Maltreatment	0.98967	0.192	0.59570	1.32712	0.98967	5.16	< .001	Estim	Residuals
prenatal cocaine exposure status	prenatal cocaine exposure status	0.73705	0.000	0.73705	0.73705	1.00000			Sample	Variables
prenatal cocaine exposure status	Maternal Race1	0.00262	0.000	0.00262	0.00262	0.01398			Sample	Variables
prenatal cocaine exposure status	Maternal Race2	-0.09346	0.000	-0.09346	-0.09346	-0.32896			Sample	Variables
prenatal cocaine exposure status	mhiedu1	-0.13733	0.000	-0.13733	-0.13733	-0.33655			Sample	Variables
prenatal cocaine exposure status	Birthweight	-199.88326	0.000	-199.88326	-199.88326	-0.36891			Sample	Variables
Maternal Race1	Maternal Race1	0.04752	0.000	0.04752	0.04752	1.00000			Sample	Variables
Maternal Race1	Maternal Race2	-0.00620	0.000	-0.00620	-0.00620	-0.08592			Sample	Variables
Maternal Race1	mhiedu1	-0.02472	0.000	-0.02472	-0.02472	-0.23863			Sample	Variables
Maternal Race1	Birthweight	-3.82989	0.000	-3.82989	-3.82989	-0.02784			Sample	Variables
Maternal Race2	Maternal Race2	0.10950	0.000	0.10950	0.10950	1.00000			Sample	Variables
Maternal Race2	mhiedu1	6.89e-4	0.000	6.89e-4	6.89e-4	0.00438			Sample	Variables
Maternal Race2	Birthweight	34.21694	0.000	34.21694	34.21694	0.16384			Sample	Variables
mhiedu1	mhiedu1	0.22590	0.000	0.22590	0.22590	1.00000			Sample	Variables
mhiedu1	Birthweight	18.49036	0.000	18.49036	18.49036	0.06164			Sample	Variables
Birthweight	Birthweight	398296.86281	0.000	398296.86281	398296.86281	1.00000			Sample	Variables

Intercepts

			95% Confidence Intervals			
Variable	Intercept	SE	Lower	Upper	z	p
Young Adult Relationship Violence	0.374	0.615	-0.840	1.528	0.609	0.543
Late Adolescent EF Impairment	-0.367	0.625	-1.622	0.832	-0.588	0.557
Childhood Maltreatment	-0.390	0.704	-1.817	0.927	-0.554	0.580
prenatal cocaine exposure status	1.281	0.000	1.281	1.281		
Maternal Race1	-0.284	0.000	-0.284	-0.284		
Maternal Race2	-0.209	0.000	-0.209	-0.209		
mhiedu1	0.661	0.000	0.661	0.661		
Birthweight	2938.264	0.000	2938.264	2938.264		

Defined Parameters

Label	Description	Parameter	Estimate	SE	95% Confidence Intervals		β	z	p
					Lower	Upper			
IE1	Childhood Maltreatment ⇒ Late Adolescent EF Impairment ⇒ Young Adult Relationship Violence	p8*p1	0.037	0.036	-0.026	0.122	0.037	1.024	0.306
IE2	prenatal cocaine exposure status ⇒ Late Adolescent EF Impairment ⇒ Young Adult Relationship Violence	p9*p1	0.008	0.046	-0.087	0.108	0.007	0.165	0.869
IE3	prenatal cocaine exposure status ⇒ Childhood Maltreatment ⇒ Young Adult Relationship Violence	p14*p2	-0.000	0.013	-0.030	0.026	-0.000	-0.004	0.997
IE4	prenatal cocaine exposure status ⇒ Childhood Maltreatment ⇒ Late Adolescent EF Impairment ⇒ Young Adult Relationship Violence	p14*p8*p1	-0.000	0.006	-0.014	0.010	-0.000	-0.005	0.996
IE5	Maternal Race1 ⇒ Late Adolescent EF Impairment ⇒ Young Adult Relationship Violence	p10*p1	0.106	0.111	-0.096	0.345	0.023	0.949	0.343
IE6	Maternal Race1 ⇒ Childhood Maltreatment ⇒ Young Adult Relationship Violence	p15*p2	0.002	0.031	-0.067	0.072	0.000	0.066	0.947
IE7	Maternal Race1 ⇒ Childhood Maltreatment ⇒ Late Adolescent EF Impairment ⇒ Young Adult Relationship Violence	p15*p8*p1	0.001	0.015	-0.028	0.039	0.000	0.070	0.944
IE8	Maternal Race2 ⇒ Late Adolescent EF Impairment ⇒ Young Adult Relationship Violence	p11*p1	-0.134	0.086	-0.323	0.023	-0.044	-1.563	0.118
IE9	Maternal Race2 ⇒ Childhood Maltreatment ⇒ Young Adult Relationship Violence	p16*p2	-0.009	0.034	-0.088	0.046	-0.003	-0.275	0.783
IE10	Maternal Race2 ⇒ Childhood Maltreatment ⇒ Late Adolescent EF Impairment ⇒ Young Adult Relationship Violence	p16*p8*p1	-0.005	0.015	-0.041	0.025	-0.002	-0.322	0.748
IE11	mhiedu1 ⇒ Late Adolescent EF Impairment ⇒ Young Adult Relationship Violence	p12*p1	0.014	0.069	-0.117	0.170	0.007	0.204	0.838
IE12	mhiedu1 ⇒ Childhood Maltreatment ⇒ Young Adult Relationship Violence	p17*p2	0.011	0.024	-0.028	0.075	0.005	0.451	0.652
IE13	mhiedu1 ⇒ Childhood Maltreatment ⇒ Late Adolescent EF Impairment ⇒ Young Adult Relationship Violence	p17*p8*p1	0.006	0.010	-0.014	0.027	0.003	0.580	0.562
IE14	Birthweight ⇒ Late Adolescent EF Impairment ⇒ Young Adult Relationship Violence	p13*p1	0.000	0.000	-0.000	0.000	0.020	0.637	0.524
IE15	Birthweight ⇒ Childhood Maltreatment ⇒ Young Adult Relationship Violence	p18*p2	0.000	0.000	-0.000	0.000	0.004	0.259	0.796
IE16	Birthweight ⇒ Childhood Maltreatment ⇒ Late Adolescent EF Impairment ⇒ Young Adult Relationship Violence	p18*p8*p1	0.000	0.000	-0.000	0.000	0.002	0.290	0.772

Contrasts Definition

Name	Contrast
Maternal Race1	Hispanic - African American
Maternal Race2	Caucasian - African American
mhiedu1	highschool - below highschool