

Mplus Annotated Output

This document provides annotated Mplus output for the full information structural equation modeling (FISEM) analysis of the social phobia example in Chapter 11. For interpretation of Mplus output more generally, see the Output tab on my webpage. The annotations I add appear in **red**:

Mplus repeats here the input syntax.

```
TITLE: EXAMPLE CHAPTER 11 ;
DATA: FILE IS c:\mplus\ret\chap11M.txt ;
VARIABLE:
  NAMES ARE ID CR1 SPAI1 SPIN1 CR3 SPAI3 SPIN3
    NEGAPP2 PSKILLS2 EXTERN2 NEGAPP1 PSKILLS1 EXTERN1
    HYPER SEX TREAT ;
  USEVARIABLES ARE CR1 SPAI1 SPIN1 CR3 SPAI3 SPIN3
    NEGAPP2 PSKILLS2 EXTERN2 NEGAPP1 PSKILLS1 EXTERN1
    HYPER SEX TREAT ;
  MISSING ARE ALL (-9999) ;
ANALYSIS:
  ESTIMATOR = MLR ; !Robust maximum likelihood
MODEL:
!Specify latent variables
  LSP1 BY CR1 SPAI1 SPIN1 ;
  LSP3 BY CR3 SPAI3 SPIN3 ;
  [CR1@0] ; [CR3@0] ; [LSP1] (mean1) ; [LSP3] (int1) ;
!Specify equations
  LSP3 ON LSP1 NEGAPP2 PSKILLS2 EXTERN2 TREAT SEX (b10 p4-p7 b11) ;
  LSP3 ON HYPER (b12) ;
  NEGAPP2 ON TREAT HYPER SEX NEGAPP1 PSKILLS2 (p1 b1-b3 p8) ;
  PSKILLS2 ON TREAT HYPER SEX PSKILLS1 (p2 b4-b6) ;
  EXTERN2 ON TREAT HYPER SEX EXTERN1 PSKILLS2 (p3 b7-b9 p9) ;
!Specify correlations of latent variable with exogenous variables
  LSP1 WITH NEGAPP1 PSKILLS1 EXTERN1 TREAT SEX HYPER ;
MODEL INDIRECT:
  LSP3 IND TREAT ;
  LSP3 IND PSKILLS2 ;
  NEGAPP2 IND TREAT ;
  EXTERN2 IND TREAT ;
OUTPUT:
  SAMP STAND(STDYX) MOD(ALL 4) RESIDUAL CINTERVAL TECH4 ;
```

Mplus indicates there were no syntax errors.

INPUT READING TERMINATED NORMALLY

Mplus repeats the title line at the top of new pages. I delete them after this one in the interest of saving space

EXAMPLE CHAPTER 11 FISEM ;

SUMMARY OF ANALYSIS

Mplus will do single group or multiple group analyses. Below it tells us that it is doing a single group analysis with N = 333.

Number of groups	1
Number of observations	333

Mplus indicates below the number of endogenous (dependent) variables in the model, the number of exogenous (independent) variables in the model, and the number of latent continuous variables.

Number of dependent variables	9
Number of independent variables	6
Number of continuous latent variables	2

Mplus next identifies the names of variables that are in each of the above categories.

Observed dependent variables

Continuous					
CR1	SPAI1	SPIN1	CR3	SPAI3	SPIN3
NEGAPP2	PSKILLS2	EXTERN2			

Observed independent variables

NEGAPP1	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
---------	----------	---------	-------	-----	-------

Continuous latent variables

LSP1	LSP3
------	------

Mplus tells you the estimator it used and then provides some technical information.

Estimator	MLR
Information matrix	OBSERVED
Maximum number of iterations	1000
Convergence criterion	0.500D-04
Maximum number of steepest descent iterations	20
Maximum number of iterations for H1	2000

Convergence criterion for H1

0.100D-03

Mplus next tells you the input data file it used and the format it was in.

Input data file(s)

c:\mplus\ret\newchap11\chap11M.txt

Input data format FREE

SUMMARY OF DATA

Mplus tells you the number of different missing data patterns. In this case, there was only one and it represented no missing data because every case had complete data. See the Output tab on my web page to for how to interpret more complex missing data output.

Number of missing data patterns

1

COVARIANCE COVERAGE OF DATA

Minimum covariance coverage value 0.100

Mplus tells you below the proportion of complete cases for each variance and covariance of the input data. See the Output tab of my web page for details. In the present case, there was no missing data because the proportion of the data present in each cell of the covariance matrix was 1.000.

PROPORTION OF DATA PRESENT

	Covariance Coverage				
	CR1	SPAI1	SPIN1	CR3	SPAI3
CR1	1.000				
SPAI1	1.000	1.000			
SPIN1	1.000	1.000	1.000		
CR3	1.000	1.000	1.000	1.000	
SPAI3	1.000	1.000	1.000	1.000	1.000
SPIN3	1.000	1.000	1.000	1.000	1.000
NEGAPP2	1.000	1.000	1.000	1.000	1.000
PSKILLS2	1.000	1.000	1.000	1.000	1.000
EXTERN2	1.000	1.000	1.000	1.000	1.000
NEGAPP1	1.000	1.000	1.000	1.000	1.000
PSKILLS1	1.000	1.000	1.000	1.000	1.000
EXTERN1	1.000	1.000	1.000	1.000	1.000
HYPER	1.000	1.000	1.000	1.000	1.000
SEX	1.000	1.000	1.000	1.000	1.000
TREAT	1.000	1.000	1.000	1.000	1.000

Covariance Coverage					
	SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
SPIN3	1.000				
NEGAPP2	1.000	1.000			
PSKILLS2	1.000	1.000	1.000		
EXTERN2	1.000	1.000	1.000	1.000	
NEGAPP1	1.000	1.000	1.000	1.000	1.000
PSKILLS1	1.000	1.000	1.000	1.000	1.000
EXTERN1	1.000	1.000	1.000	1.000	1.000
HYPER	1.000	1.000	1.000	1.000	1.000
SEX	1.000	1.000	1.000	1.000	1.000
TREAT	1.000	1.000	1.000	1.000	1.000

Covariance Coverage					
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
PSKILLS1	1.000				
EXTERN1	1.000	1.000			
HYPER	1.000	1.000	1.000		
SEX	1.000	1.000	1.000	1.000	
TREAT	1.000	1.000	1.000	1.000	1.000

SAMPLE STATISTICS

Mplus provides below some descriptive statistics for the model input data. It is good to examine it to make sure it all makes sense so you can be confident the data were read in properly.

ESTIMATED SAMPLE STATISTICS

Means				
CR1	SPAI1	SPIN1	CR3	SPAI3
3.101	3.082	3.088	2.281	2.228

Means				
SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
2.227	0.430	-0.419	0.820	1.020

Means				
PSKILLS1	EXTERN1	HYPER	SEX	TREAT
-0.985	1.006	-0.042	0.526	0.486

	Covariances				
	CR1	SPAI1	SPIN1	CR3	SPAI3
CR1	0.549				
SPAI1	0.428	0.536			
SPIN1	0.463	0.443	0.587		
CR3	0.184	0.169	0.150	1.846	
SPAI3	0.162	0.155	0.138	1.538	1.793
SPIN3	0.202	0.176	0.186	1.647	1.603
NEGAPP2	0.052	0.015	0.012	0.696	0.663
PSKILLS2	-0.041	-0.013	0.001	-0.749	-0.718
EXTERN2	0.045	0.032	0.034	0.249	0.232
NEGAPP1	0.050	0.049	0.050	0.053	0.051
PSKILLS1	-0.068	-0.059	-0.051	-0.115	-0.091
EXTERN1	0.042	0.053	0.050	0.087	0.052
HYPER	-0.002	-0.003	0.003	-0.003	-0.007
SEX	-0.025	-0.026	-0.039	-0.023	-0.045
TREAT	0.008	0.018	0.021	-0.430	-0.414

	Covariances				
	SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
SPIN3	1.943				
NEGAPP2	0.731	0.617			
PSKILLS2	-0.757	-0.447	0.595		
EXTERN2	0.277	0.155	-0.203	0.290	
NEGAPP1	0.053	0.093	-0.002	0.012	0.201
PSKILLS1	-0.098	-0.068	0.096	-0.047	-0.041
EXTERN1	0.067	0.059	-0.024	0.087	0.042
HYPER	0.002	0.042	-0.023	0.047	0.046
SEX	-0.030	-0.020	0.012	-0.001	-0.009
TREAT	-0.453	-0.282	0.292	-0.095	0.001

	Covariances				
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
PSKILLS1	0.199				
EXTERN1	-0.034	0.188			
HYPER	-0.044	0.063	0.200		
SEX	-0.011	-0.001	0.006	0.249	
TREAT	-0.003	-0.007	-0.005	0.006	0.250

	Correlations				
	CR1	SPAI1	SPIN1	CR3	SPAI3
CR1	1.000				
SPAI1	0.789	1.000			
SPIN1	0.816	0.790	1.000		
CR3	0.183	0.170	0.144	1.000	
SPAI3	0.164	0.158	0.134	0.845	1.000
SPIN3	0.196	0.172	0.174	0.870	0.859
NEGAPP2	0.090	0.026	0.019	0.653	0.630
PSKILLS2	-0.072	-0.022	0.002	-0.715	-0.696
EXTERN2	0.113	0.081	0.082	0.341	0.322
NEGAPP1	0.149	0.150	0.146	0.087	0.084
PSKILLS1	-0.207	-0.182	-0.149	-0.189	-0.153
EXTERN1	0.129	0.167	0.151	0.148	0.090
HYPER	-0.005	-0.010	0.008	-0.005	-0.011
SEX	-0.068	-0.070	-0.102	-0.033	-0.068
TREAT	0.022	0.049	0.056	-0.633	-0.618

	Correlations				
	SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
SPIN3	1.000				
NEGAPP2	0.667	1.000			
PSKILLS2	-0.704	-0.738	1.000		
EXTERN2	0.369	0.367	-0.489	1.000	
NEGAPP1	0.085	0.264	-0.007	0.051	1.000
PSKILLS1	-0.157	-0.193	0.278	-0.194	-0.205
EXTERN1	0.110	0.173	-0.071	0.375	0.217
HYPER	0.003	0.121	-0.068	0.196	0.231
SEX	-0.043	-0.052	0.032	-0.002	-0.041
TREAT	-0.651	-0.718	0.756	-0.352	0.006

	Correlations				
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
PSKILLS1	1.000				
EXTERN1	-0.178	1.000			
HYPER	-0.221	0.326	1.000		
SEX	-0.050	-0.003	0.026	1.000	
TREAT	-0.015	-0.032	-0.022	0.022	1.000

MAXIMUM LOG-LIKELIHOOD VALUE FOR THE UNRESTRICTED (H1) MODEL IS -3632.116

UNIVARIATE SAMPLE STATISTICS

Mplus provides more detailed descriptive statistics below. Each variable listed on the left has two rows of information. The labels at the top of the table described the contents of the first row of information (Mean, Skewness, Minimum, % with Minimum Score, 20th percentile, 40th percentile, Median) followed by a / and then the labels for the content of the second row of information for that variable (Sample Size, Variance, Kurtosis, Maximum, % with Maximum Score, 60th percentile, 80th percentile). I use a smaller font here to make everything fit in this table; Mplus uses its standard font.

UNIVARIATE HIGHER-ORDER MOMENT DESCRIPTIVE STATISTICS

Variable/ Sample Size		Mean/ Variance	Skewness/ Kurtosis	Minimum/ Maximum	% with Min/Max	Percentiles		
						20%/60%	40%/80%	Median
CR1		3.101	0.055	1.070	0.30%	2.460	2.850	3.040
	333.000	0.549	-0.430	4.930	0.30%	3.310	3.790	
SPAI1		3.082	0.107	1.140	0.30%	2.490	2.830	3.070
	333.000	0.536	-0.392	5.170	0.30%	3.240	3.730	
SPIN1		3.088	0.178	1.290	0.30%	2.470	2.840	3.070
	333.000	0.587	-0.161	5.470	0.30%	3.280	3.760	
CR3		2.281	0.161	0.000	5.11%	1.040	1.910	2.190
	333.000	1.846	-0.827	5.000	1.20%	2.520	3.540	
SPAI3		2.228	0.185	0.000	5.11%	0.980	1.810	2.190
	333.000	1.793	-0.604	6.000	0.60%	2.670	3.420	
SPIN3		2.227	0.241	0.000	6.01%	0.870	1.670	2.150
	333.000	1.943	-0.815	6.000	0.30%	2.570	3.610	
NEGAPP2		0.430	-0.099	-1.850	0.30%	-0.270	0.160	0.420
	333.000	0.617	-0.431	2.440	0.30%	0.690	1.180	
PSKILLS2		-0.419	0.015	-2.200	0.30%	-1.140	-0.740	-0.470
	333.000	0.595	-0.979	1.220	0.30%	-0.140	0.360	
EXTERN2		0.820	-0.026	-0.890	0.30%	0.350	0.690	0.840
	333.000	0.290	-0.108	2.730	0.30%	0.970	1.290	
NEGAPP1		1.020	-0.030	-0.390	0.30%	0.630	0.900	1.020
	333.000	0.201	-0.036	2.260	0.30%	1.120	1.400	
PSKILLS1		-0.985	0.197	-2.360	0.30%	-1.320	-1.110	-1.000
	333.000	0.199	0.700	0.570	0.30%	-0.900	-0.650	
EXTERN1		1.006	0.125	0.000	0.60%	0.650	0.880	0.990
	333.000	0.188	-0.166	2.320	0.30%	1.120	1.350	
HYPER		-0.042	0.198	-1.330	0.30%	-0.390	-0.170	-0.070
	333.000	0.200	0.271	1.420	0.30%	0.050	0.320	
SEX		0.526	-0.102	0.000	47.45%	0.000	0.000	1.000
	333.000	0.249	-1.990	1.000	52.55%	1.000	1.000	
TREAT		0.486	0.054	0.000	51.35%	0.000	0.000	0.000
	333.000	0.250	-1.997	1.000	48.65%	1.000	1.000	

THE MODEL ESTIMATION TERMINATED NORMALLY

Mplus provides an estimation warning message below. It can occur for many reasons but in this case it is because there are binary exogenous variables in the model whose variances and covariances were estimated in the model because of the presence of a latent exogenous variable. The message can be safely ignored in this case.

THE STANDARD ERRORS OF THE MODEL PARAMETER ESTIMATES MAY NOT BE TRUSTWORTHY FOR SOME PARAMETERS DUE TO A NON-POSITIVE DEFINITE FIRST-ORDER DERIVATIVE PRODUCT MATRIX. THIS MAY BE DUE TO THE STARTING VALUES BUT MAY ALSO BE AN INDICATION OF MODEL NONIDENTIFICATION. THE CONDITION NUMBER IS 0.496D-17. PROBLEM INVOLVING THE FOLLOWING PARAMETER:
Parameter 77, TREAT WITH SEX

MODEL FIT INFORMATION

Number of Free Parameters 78

Mplus below provides global fit indices for the model, but I do not cover all of them in my book. Some will look familiar to you and others will not.

Loglikelihood

H0 Value	-3657.524
H0 Scaling Correction Factor for MLR	0.9789
H1 Value	-3632.116
H1 Scaling Correction Factor for MLR	0.9918

Information Criteria

Akaike (AIC)	7471.048
Bayesian (BIC)	7768.083
Sample-Size Adjusted BIC ($n^* = (n + 2) / 24$)	7520.662

Chi-Square Test of Model Fit

Value	50.341*
Degrees of Freedom	57
P-Value	0.7213
Scaling Correction Factor for MLR	1.0094

* The chi-square value for MLM, MLMV, MLR, ULSMV, WLSM and WLSMV cannot be used for chi-square difference testing in the regular way. MLM, MLR and WLSM chi-square difference testing is described on the Mplus website. MLMV, WLSMV, and ULSMV difference testing is done using the DIFFTEST option.

RMSEA (Root Mean Square Error Of Approximation)

Estimate	0.000
90 Percent C.I.	0.000 0.026
Probability RMSEA $\leq$.05	1.000

CFI/TLI

CFI	1.000
TLI	1.000

Chi-Square Test of Model Fit for the Baseline Model

Value	2921.025
Degrees of Freedom	90
P-Value	0.0000

SRMR (Standardized Root Mean Square Residual)

Value	0.017
-------	-------

MODEL RESULTS

Below are the unstandardized coefficients and parameter estimates for the model and their associated estimated standard errors (S.E.), critical ratios (Est./S.E.), and p values. A value of 999 means the statistic could not be computed. This occurs for the factor loadings of the reference indicators of the latent variables because these loadings were fixed at 1.0. It also occurs for the measurement intercepts of those indicators, which I fixed at 0.

Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
----------	------	-----------	-----------------------

Below are the unstandardized factor loadings for the two latent variables.

LSP1	BY				
CR1		1.000	0.000	999.000	999.000
SPAI1		0.961	0.039	24.441	0.000
SPIN1		1.037	0.044	23.336	0.000
LSP3	BY				
CR3		1.000	0.000	999.000	999.000
SPAI3		0.970	0.032	30.414	0.000
SPIN3		1.040	0.032	32.855	0.000

Below is the unstandardized path coefficient when the latent social phobia variable after treatment is regressed onto the baseline latent social phobia variable. Although this coefficient is reported isolated from the other predictors in the model equation, the coefficient actually reflects the other predictors in the equation being held constant. The coefficients for the other predictors are shown directly after this one and they also have been adjusted for all predictors in the equation, including baseline social phobia. Mplus has

segregated its output from the same equation into the latent predictors and the observed predictors.

LSP3	ON				
LSP1		0.347	0.072	4.835	0.000

LSP3	ON				
NEGAPP2		0.390	0.095	4.100	0.000
PSKILLS2		-0.707	0.099	-7.109	0.000
EXTERN2		-0.002	0.091	-0.017	0.986
TREAT		-0.488	0.136	-3.581	0.000
SEX		-0.002	0.088	-0.026	0.979
HYPER		-0.186	0.103	-1.803	0.071

Below are the unstandardized coefficients, estimated standard errors, critical ratios and p values for the predictors of the three mediators.

NEGAPP2	ON				
TREAT		-0.598	0.069	-8.712	0.000
HYPER		0.040	0.055	0.740	0.459
SEX		-0.031	0.049	-0.625	0.532
NEGAPP1		0.451	0.051	8.860	0.000
PSKILLS2		-0.455	0.048	-9.519	0.000

PSKILLS2	ON				
TREAT		1.173	0.050	23.638	0.000
HYPER		0.022	0.061	0.363	0.716
SEX		0.045	0.049	0.912	0.362
PSKILLS1		0.508	0.059	8.618	0.000

EXTERN2	ON				
TREAT		0.024	0.078	0.310	0.757
HYPER		0.070	0.059	1.202	0.230
SEX		0.013	0.047	0.279	0.781
EXTERN1		0.400	0.058	6.883	0.000
PSKILLS2		-0.335	0.050	-6.713	0.000

Below are the model estimated covariances between the variables. The variable to the left of WITH is correlated with the variables to the right of WITH. You also get the estimated standard errors, critical ratios and p values for the covariances.

LSP1	WITH				
NEGAPP1		0.050	0.017	3.009	0.003
PSKILLS1		-0.059	0.015	-3.843	0.000
EXTERN1		0.048	0.017	2.908	0.004
TREAT		0.016	0.019	0.827	0.408

SEX	-0.030	0.019	-1.594	0.111
HYPER	0.000	0.017	-0.023	0.982
PSKILLS1 WITH				
NEGAPP1	-0.041	0.011	-3.569	0.000
EXTERN1 WITH				
NEGAPP1	0.042	0.011	3.763	0.000
PSKILLS1	-0.034	0.010	-3.282	0.001
HYPER WITH				
NEGAPP1	0.046	0.012	3.992	0.000
PSKILLS1	-0.044	0.012	-3.667	0.000
EXTERN1	0.063	0.011	5.747	0.000
SEX WITH				
NEGAPP1	-0.009	0.012	-0.756	0.450
PSKILLS1	-0.011	0.012	-0.926	0.354
EXTERN1	-0.001	0.012	-0.053	0.958
HYPER	0.006	0.012	0.482	0.629
TREAT WITH				
NEGAPP1	0.001	0.012	0.114	0.909
PSKILLS1	-0.003	0.012	-0.273	0.785
EXTERN1	-0.007	0.012	-0.579	0.562
HYPER	-0.005	0.012	-0.399	0.690
SEX	0.006	0.014	0.410	0.682

Below are the model estimated means for exogenous variables in the model, with their estimated standard errors, critical ratios, and p values.

Means

NEGAPP1	1.020	0.025	41.529	0.000
PSKILLS1	-0.985	0.024	-40.317	0.000
EXTERN1	1.006	0.024	42.369	0.000
HYPER	-0.042	0.025	-1.699	0.089
SEX	0.526	0.027	19.205	0.000
TREAT	0.486	0.027	17.762	0.000
LSP1	3.101	0.041	76.359	0.000

Below are the model estimated intercepts for endogenous variables in the model, with their estimated standard errors, critical ratios, and p values.

Intercepts

CR1	0.000	0.000	999.000	999.000
SPAI1	0.103	0.125	0.819	0.413
SPIN1	-0.128	0.139	-0.923	0.356
CR3	0.000	0.000	999.000	999.000
SPAI3	0.016	0.082	0.193	0.847

SPIN3	-0.146	0.080	-1.839	0.066
NEGAPP2	0.088	0.082	1.068	0.286
PSKILLS2	-0.513	0.071	-7.236	0.000
EXTERN2	0.262	0.089	2.932	0.003
LSP3	0.973	0.254	3.823	0.000

Below are the model estimated variances for exogenous variables in the model, with their estimated standard errors, critical ratio, and p value

Variances

NEGAPP1	0.201	0.015	13.022	0.000
PSKILLS1	0.199	0.018	11.106	0.000
EXTERN1	0.188	0.014	13.476	0.000
HYPER	0.200	0.017	12.110	0.000
SEX	0.249	0.001	178.493	0.000
TREAT	0.250	0.001	337.470	0.000
LSP1	0.446	0.038	11.773	0.000

Below are the model estimated residual variances for the disturbance terms for endogenous variables in the model. They are unstandardized. You also are given their estimated standard errors, critical ratios, and p values. See my webpage on the OUTPUT tab for how to interpret them.

Residual Variances

CR1	0.103	0.012	8.543	0.000
SPAI1	0.124	0.014	9.147	0.000
SPIN1	0.107	0.016	6.818	0.000
CR3	0.260	0.028	9.372	0.000
SPAI3	0.302	0.032	9.419	0.000
SPIN3	0.226	0.032	6.961	0.000
NEGAPP2	0.201	0.017	12.104	0.000
PSKILLS2	0.204	0.016	12.696	0.000
EXTERN2	0.186	0.014	13.377	0.000
LSP3	0.524	0.051	10.281	0.000

QUALITY OF NUMERICAL RESULTS

Condition Number for the Information Matrix (ratio of smallest to largest eigenvalue)	0.474E-03
--	-----------

STANDARDIZED MODEL RESULTS

Below are the fully standardized counterparts of the above parameters. Mplus reports critical ratios and p values for them that should be close in value to those reported for the corresponding unstandardized parameters. The tests of the unstandardized parameters are on somewhat stronger statistical grounds, so I usually defer to them. Usually, bootstrapping is better for testing standardized

coefficients and calculating their confidence intervals because their sampling distributions can be asymmetric.

STDYX Standardization

		Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
LSP1	BY				
	CR1	0.901	0.013	68.030	0.000
	SPAI1	0.876	0.017	51.514	0.000
	SPIN1	0.904	0.016	57.621	0.000
LSP3	BY				
	CR3	0.927	0.009	97.966	0.000
	SPAI3	0.912	0.011	82.725	0.000
	SPIN3	0.940	0.009	102.024	0.000
LSP3	ON				
	LSP1	0.184	0.036	5.044	0.000
LSP3	ON				
	NEGAPP2	0.245	0.058	4.212	0.000
	PSKILLS2	-0.432	0.059	-7.305	0.000
	EXTERN2	-0.001	0.039	-0.017	0.986
	TREAT	-0.193	0.053	-3.640	0.000
	SEX	-0.001	0.035	-0.026	0.979
	HYPER	-0.066	0.037	-1.799	0.072
NEGAPP2	ON				
	TREAT	-0.379	0.043	-8.798	0.000
	HYPER	0.023	0.031	0.739	0.460
	SEX	-0.019	0.031	-0.627	0.530
	NEGAPP1	0.256	0.031	8.322	0.000
	PSKILLS2	-0.444	0.044	-10.188	0.000
PSKILLS2	ON				
	TREAT	0.760	0.022	34.150	0.000
	HYPER	0.013	0.035	0.362	0.717
	SEX	0.029	0.032	0.912	0.362
	PSKILLS1	0.294	0.037	7.997	0.000
EXTERN2	ON				
	TREAT	0.022	0.072	0.310	0.757
	HYPER	0.058	0.049	1.200	0.230
	SEX	0.012	0.044	0.279	0.780
	EXTERN1	0.322	0.046	6.942	0.000
	PSKILLS2	-0.480	0.069	-6.922	0.000

LSP1	WITH				
NEGAPP1		0.166	0.054	3.099	0.002
PSKILLS1		-0.200	0.048	-4.185	0.000
EXTERN1		0.167	0.055	3.032	0.002
TREAT		0.047	0.057	0.825	0.409
SEX		-0.090	0.057	-1.597	0.110
HYPER		-0.001	0.058	-0.023	0.982
PSKILLS1	WITH				
NEGAPP1		-0.205	0.054	-3.803	0.000
EXTERN1	WITH				
NEGAPP1		0.217	0.053	4.088	0.000
PSKILLS1		-0.178	0.050	-3.531	0.000
HYPER	WITH				
NEGAPP1		0.231	0.052	4.469	0.000
PSKILLS1		-0.221	0.055	-4.038	0.000
EXTERN1		0.326	0.047	6.967	0.000
SEX	WITH				
NEGAPP1		-0.041	0.055	-0.755	0.450
PSKILLS1		-0.050	0.054	-0.925	0.355
EXTERN1		-0.003	0.055	-0.053	0.958
HYPER		0.026	0.055	0.482	0.630
TREAT	WITH				
NEGAPP1		0.006	0.055	0.114	0.909
PSKILLS1		-0.015	0.055	-0.273	0.785
EXTERN1		-0.032	0.055	-0.578	0.563
HYPER		-0.022	0.055	-0.399	0.690
SEX		0.022	0.055	0.410	0.682
Means					
NEGAPP1		2.276	0.104	21.854	0.000
PSKILLS1		-2.209	0.119	-18.540	0.000
EXTERN1		2.322	0.098	23.758	0.000
HYPER		-0.093	0.055	-1.679	0.093
SEX		1.052	0.058	18.224	0.000
TREAT		0.973	0.053	18.242	0.000
LSP1		4.645	0.204	22.722	0.000

Below, Mplus reports standardized model intercepts for the endogenous variables. In traditional regression, fully standardized intercepts will always equal zero. Mplus uses an approach that divides the unstandardized intercept value by a referent standard deviation, yielding zero or non-zero values. You usually will just treat the fully standardized intercepts as being zero.

Intercepts

CR1	0.000	0.000	999.000	999.000
SPAI1	0.140	0.173	0.809	0.419
SPIN1	-0.167	0.179	-0.937	0.349
CR3	0.000	0.000	999.000	999.000
SPAI3	0.012	0.061	0.192	0.847
SPIN3	-0.105	0.056	-1.861	0.063
NEGAPP2	0.111	0.105	1.064	0.287
PSKILLS2	-0.665	0.092	-7.254	0.000
EXTERN2	0.487	0.174	2.807	0.005
LSP3	0.772	0.205	3.760	0.000

Below, are the variances of the standardized exogenous variables, which will always equal 1.0.

Variances

NEGAPP1	1.000	0.000	999.000	999.000
PSKILLS1	1.000	0.000	999.000	999.000
EXTERN1	1.000	0.000	999.000	999.000
HYPER	1.000	0.000	999.000	999.000
SEX	1.000	0.000	999.000	999.000
TREAT	1.000	0.000	999.000	999.000
LSP1	1.000	0.000	999.000	999.000

Below are the model estimated standardized disturbance variances and standardized measurement error variances of endogenous variables. Also provided are their estimated standard errors, critical ratios, and p values. Each coefficient typically is analogous to the proportion of unexplained or unique variance in the endogenous variable listed to the left.

Residual Variances

CR1	0.188	0.024	7.896	0.000
SPAI1	0.232	0.030	7.788	0.000
SPIN1	0.183	0.028	6.449	0.000
CR3	0.141	0.018	8.019	0.000
SPAI3	0.168	0.020	8.379	0.000
SPIN3	0.116	0.017	6.704	0.000
NEGAPP2	0.322	0.026	12.182	0.000
PSKILLS2	0.343	0.028	12.304	0.000
EXTERN2	0.641	0.041	15.717	0.000
LSP3	0.330	0.033	10.114	0.000

Below are the model estimated squared (multiple) correlations for endogenous variables in the model, with their estimated standard errors, critical ratios, and p values.

R-SQUARE

Observed Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
CR1	0.812	0.024	34.015	0.000
SPAI1	0.768	0.030	25.757	0.000
SPIN1	0.817	0.028	28.811	0.000
CR3	0.859	0.018	48.983	0.000
SPAI3	0.832	0.020	41.363	0.000
SPIN3	0.884	0.017	51.012	0.000
NEGAPP2	0.678	0.026	25.633	0.000
PSKILLS2	0.657	0.028	23.536	0.000
EXTERN2	0.359	0.041	8.807	0.000
Latent Variable	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
LSP3	0.670	0.033	20.537	0.000

Below are the unstandardized coefficients for analyses of effects that are defined by combining coefficients. They derive from the MODEL INDIRECT commands in your syntax. For each effect, you are provided the estimate of the overall coefficient, its estimated standard error, its critical ratio, and its p value.

TOTAL, TOTAL INDIRECT, SPECIFIC INDIRECT, AND DIRECT EFFECTS

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
--	----------	------	-----------	-----------------------

Effects from TREAT to LSP3

The first row below is the estimated total effect of the program on the social phobia outcome, unstandardized. It is the mean difference between the treatment condition minus the control condition.

Total	-1.758	0.104	-16.855	0.000
Total indirect	-1.270	0.121	-10.463	0.000

See the document on omnibus mediation effects on the resources tab of my web page for how to interpret the below output. Also helpful might be the document on decomposing effects on the resources tab. For each indirect effect listed below, the leftmost column reflects a mediational chain with paths from the variable listed on the bottom up through the variable listed on the top. For

example, the chain for Specific indirect 1 refers to $TREAT \rightarrow NEGAPP2 \rightarrow LSP3$.

Specific indirect 1					
LSP3					
NEGAPP2					
TREAT	-0.234	0.062	-3.766	0.000	
Specific indirect 2					
LSP3					
PSKILLS2					
TREAT	-0.829	0.123	-6.735	0.000	
Specific indirect 3					
LSP3					
EXTERN2					
TREAT	0.000	0.002	-0.017	0.986	
Specific indirect 4					
LSP3					
NEGAPP2					
PSKILLS2					
TREAT	-0.208	0.053	-3.913	0.000	
Specific indirect 5					
LSP3					
EXTERN2					
PSKILLS2					
TREAT	0.001	0.036	0.017	0.986	

The entry below refers to the direct effect of TREAT on LSP3 independent of the mediators, i.e., $TREAT \rightarrow LSP3$ holding all other variables with arrows going directly to LSP3 constant. It is path p7 in Figure 11.2 of the chapter.

Direct					
LSP3					
TREAT	-0.488	0.136	-3.581	0.000	

The next entries walk you through the other combined coefficient parameters I specified in the MODEL INDIRECT commands, using the same format as above.

Effects from PSKILLS2 to LSP3

Total	-0.883	0.084	-10.459	0.000	
Total indirect	-0.177	0.056	-3.174	0.002	
Specific indirect 1					
LSP3					
NEGAPP2					
PSKILLS2	-0.177	0.045	-3.957	0.000	

Specific indirect 2				
LSP3				
EXTERN2				
PSKILLS2	0.001	0.030	0.017	0.986
Direct				
LSP3				
PSKILLS2	-0.707	0.099	-7.109	0.000
Effects from TREAT to NEGAPP2				
Total	-1.132	0.053	-21.220	0.000
Total indirect	-0.533	0.059	-8.981	0.000
Specific indirect 1				
NEGAPP2				
PSKILLS2				
TREAT	-0.533	0.059	-8.981	0.000
Direct				
NEGAPP2				
TREAT	-0.598	0.069	-8.712	0.000
Effects from TREAT to EXTERN2				
Total	-0.369	0.050	-7.349	0.000
Total indirect	-0.393	0.061	-6.422	0.000
Specific indirect 1				
EXTERN2				
PSKILLS2				
TREAT	-0.393	0.061	-6.422	0.000
Direct				
EXTERN2				
TREAT	0.024	0.078	0.310	0.757

STANDARDIZED TOTAL, TOTAL INDIRECT, SPECIFIC INDIRECT, AND DIRECT EFFECTS

Below are the fully standardized counterparts of the above parameters. Mplus reports critical ratios and p values for them that should be close to those reported for the corresponding unstandardized parameters. The latter tests are on somewhat stronger statistical grounds. Usually, bootstrapping is better for testing standardized coefficients and calculating their confidence intervals.

STDYX Standardization

	Estimate	S.E.	Est./S.E.	Two-Tailed P-Value
Effects from TREAT to LSP3				
Total	-0.697	0.027	-25.447	0.000
Total indirect	-0.504	0.043	-11.655	0.000
Specific indirect 1				
LSP3				
NEGAPP2				
TREAT	-0.093	0.024	-3.809	0.000
Specific indirect 2				
LSP3				
PSKILLS2				
TREAT	-0.329	0.046	-7.098	0.000
Specific indirect 3				
LSP3				
EXTERN2				
TREAT	0.000	0.001	-0.017	0.986
Specific indirect 4				
LSP3				
NEGAPP2				
PSKILLS2				
TREAT	-0.083	0.021	-3.969	0.000
Specific indirect 5				
LSP3				
EXTERN2				
PSKILLS2				
TREAT	0.000	0.014	0.017	0.986
Direct				
LSP3				
TREAT	-0.193	0.053	-3.640	0.000

Effects from PSKILLS2 to LSP3

Total	-0.541	0.049	-10.926	0.000
Total indirect	-0.108	0.034	-3.168	0.002
Specific indirect 1				
LSP3				
NEGAPP2				
PSKILLS2	-0.109	0.027	-3.986	0.000
Specific indirect 2				
LSP3				
EXTERN2				
PSKILLS2	0.000	0.019	0.017	0.986
Direct				
LSP3				
PSKILLS2	-0.432	0.059	-7.305	0.000

Effects from TREAT to NEGAPP2

Total	-0.716	0.023	-31.042	0.000
Total indirect	-0.338	0.034	-9.914	0.000
Specific indirect 1				
NEGAPP2				
PSKILLS2				
TREAT	-0.338	0.034	-9.914	0.000
Direct				
NEGAPP2				
TREAT	-0.379	0.043	-8.798	0.000

Effects from TREAT to EXTERN2

Total	-0.342	0.043	-7.999	0.000
Total indirect	-0.365	0.054	-6.766	0.000
Specific indirect 1				
EXTERN2				
PSKILLS2				
TREAT	-0.365	0.054	-6.766	0.000
Direct				
EXTERN2				
TREAT	0.022	0.072	0.310	0.757

Below are the confidence intervals for the unstandardized model results. The coefficient estimate is repeated in the middle column called "Estimate" and the 95% confidence intervals are under Lower 2.5% and Upper 2.5%. I use a smaller font here so everything fits on a single line.

CONFIDENCE INTERVALS OF MODEL RESULTS

		Lower .5%	Lower 2.5%	Lower 5%	Estimate	Upper 5%	Upper 2.5%	Upper .5%
LSP1	BY							
	CR1	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	SPAI1	0.860	0.884	0.896	0.961	1.025	1.038	1.062
	SPIN1	0.923	0.950	0.964	1.037	1.110	1.124	1.152
LSP3	BY							
	CR3	1.000	1.000	1.000	1.000	1.000	1.000	1.000
	SPAI3	0.887	0.907	0.917	0.970	1.022	1.032	1.052
	SPIN3	0.959	0.978	0.988	1.040	1.093	1.102	1.122
LSP3	ON							
	LSP1	0.162	0.206	0.229	0.347	0.465	0.488	0.532
LSP3	ON							
	NEGAPP2	0.145	0.204	0.234	0.390	0.547	0.577	0.636
	PSKILLS2	-0.962	-0.901	-0.870	-0.707	-0.543	-0.512	-0.451
	EXTERN2	-0.235	-0.179	-0.151	-0.002	0.148	0.176	0.232
	TREAT	-0.838	-0.755	-0.712	-0.488	-0.264	-0.221	-0.137
	SEX	-0.228	-0.174	-0.146	-0.002	0.142	0.169	0.223
	HYPER	-0.451	-0.388	-0.355	-0.186	-0.016	0.016	0.080
NEGAPP2	ON							
	TREAT	-0.775	-0.733	-0.711	-0.598	-0.485	-0.464	-0.421
	HYPER	-0.100	-0.067	-0.049	0.040	0.130	0.147	0.181
	SEX	-0.157	-0.127	-0.112	-0.031	0.050	0.066	0.096
	NEGAPP1	0.320	0.351	0.367	0.451	0.535	0.551	0.582
	PSKILLS2	-0.578	-0.548	-0.533	-0.455	-0.376	-0.361	-0.332
PSKILLS2	ON							
	TREAT	1.045	1.076	1.092	1.173	1.255	1.270	1.301
	HYPER	-0.135	-0.097	-0.078	0.022	0.122	0.141	0.179
	SEX	-0.082	-0.052	-0.036	0.045	0.126	0.141	0.171
	PSKILLS1	0.356	0.392	0.411	0.508	0.605	0.624	0.660
EXTERN2	ON							
	TREAT	-0.176	-0.128	-0.104	0.024	0.152	0.176	0.224
	HYPER	-0.080	-0.044	-0.026	0.070	0.167	0.185	0.221
	SEX	-0.108	-0.079	-0.064	0.013	0.091	0.106	0.135
	EXTERN1	0.250	0.286	0.304	0.400	0.495	0.514	0.550
	PSKILLS2	-0.463	-0.432	-0.417	-0.335	-0.253	-0.237	-0.206
LSP1	WITH							
	NEGAPP1	0.007	0.017	0.023	0.050	0.077	0.082	0.092
	PSKILLS1	-0.099	-0.090	-0.085	-0.059	-0.034	-0.029	-0.020
	EXTERN1	0.006	0.016	0.021	0.048	0.076	0.081	0.091
	TREAT	-0.033	-0.021	-0.015	0.016	0.047	0.053	0.064
	SEX	-0.079	-0.067	-0.061	-0.030	0.001	0.007	0.019
	HYPER	-0.045	-0.034	-0.029	0.000	0.028	0.033	0.044
PSKILLS1	WITH							
	NEGAPP1	-0.070	-0.063	-0.060	-0.041	-0.022	-0.018	-0.011

EXTERN1 WITH							
NEGAPP1	0.013	0.020	0.024	0.042	0.060	0.064	0.071
PSKILLS1	-0.061	-0.055	-0.052	-0.034	-0.017	-0.014	-0.007
HYPER WITH							
NEGAPP1	0.016	0.024	0.027	0.046	0.065	0.069	0.076
PSKILLS1	-0.075	-0.068	-0.064	-0.044	-0.024	-0.021	-0.013
EXTERN1	0.035	0.042	0.045	0.063	0.081	0.085	0.092
SEX WITH							
NEGAPP1	-0.041	-0.033	-0.029	-0.009	0.011	0.015	0.022
PSKILLS1	-0.042	-0.035	-0.031	-0.011	0.009	0.012	0.020
EXTERN1	-0.031	-0.024	-0.020	-0.001	0.019	0.023	0.030
HYPER	-0.026	-0.018	-0.014	0.006	0.026	0.030	0.037
TREAT WITH							
NEGAPP1	-0.030	-0.023	-0.019	0.001	0.022	0.025	0.033
PSKILLS1	-0.035	-0.027	-0.023	-0.003	0.017	0.021	0.028
EXTERN1	-0.038	-0.030	-0.026	-0.007	0.013	0.016	0.024
HYPER	-0.037	-0.029	-0.025	-0.005	0.015	0.019	0.027
SEX	-0.030	-0.021	-0.017	0.006	0.028	0.032	0.041
Means							
NEGAPP1	0.957	0.972	0.980	1.020	1.060	1.068	1.083
PSKILLS1	-1.048	-1.032	-1.025	-0.985	-0.944	-0.937	-0.922
EXTERN1	0.945	0.959	0.967	1.006	1.045	1.052	1.067
HYPER	-0.105	-0.090	-0.082	-0.042	-0.001	0.006	0.021
SEX	0.455	0.472	0.481	0.526	0.571	0.579	0.596
TREAT	0.416	0.433	0.441	0.486	0.532	0.540	0.557
LSP1	2.996	3.021	3.034	3.101	3.167	3.180	3.205
Intercepts							
CR1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SPAI1	-0.220	-0.143	-0.103	0.103	0.309	0.348	0.425
SPIN1	-0.486	-0.400	-0.356	-0.128	0.100	0.144	0.229
CR3	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SPAI3	-0.195	-0.145	-0.119	0.016	0.151	0.177	0.227
SPIN3	-0.351	-0.302	-0.277	-0.146	-0.015	0.010	0.059
NEGAPP2	-0.124	-0.074	-0.048	0.088	0.224	0.250	0.300
PSKILLS2	-0.695	-0.651	-0.629	-0.513	-0.396	-0.374	-0.330
EXTERN2	0.032	0.087	0.115	0.262	0.409	0.437	0.492
LSP3	0.317	0.474	0.554	0.973	1.392	1.472	1.629
Variances							
NEGAPP1	0.161	0.171	0.176	0.201	0.226	0.231	0.241
PSKILLS1	0.153	0.164	0.169	0.199	0.228	0.234	0.245
EXTERN1	0.152	0.160	0.165	0.188	0.211	0.215	0.224
HYPER	0.158	0.168	0.173	0.200	0.227	0.233	0.243
SEX	0.246	0.247	0.247	0.249	0.252	0.252	0.253
TREAT	0.248	0.248	0.249	0.250	0.251	0.251	0.252
LSP1	0.348	0.371	0.383	0.446	0.508	0.520	0.543
Residual Variances							
CR1	0.072	0.080	0.084	0.103	0.123	0.127	0.135
SPAI1	0.089	0.098	0.102	0.124	0.147	0.151	0.159
SPIN1	0.067	0.076	0.081	0.107	0.133	0.138	0.148
CR3	0.188	0.206	0.214	0.260	0.305	0.314	0.331
SPAI3	0.220	0.239	0.249	0.302	0.355	0.365	0.385
SPIN3	0.142	0.162	0.172	0.226	0.279	0.289	0.309
NEGAPP2	0.158	0.168	0.174	0.201	0.228	0.233	0.244
PSKILLS2	0.163	0.173	0.178	0.204	0.231	0.236	0.246
EXTERN2	0.150	0.158	0.163	0.186	0.208	0.213	0.221

	LSP3	0.393	0.424	0.440	0.524	0.608	0.624	0.655
--	------	-------	-------	-------	-------	-------	-------	-------

CONFIDENCE INTERVALS OF STANDARDIZED MODEL RESULTS

Below are the confidence intervals for the fully standardized model results.

STDYX Standardization

		Lower .5%	Lower 2.5%	Lower 5%	Estimate	Upper 5%	Upper 2.5%	Upper .5%
LSP1	BY							
	CR1	0.867	0.875	0.879	0.901	0.923	0.927	0.935
	SPAI1	0.832	0.843	0.848	0.876	0.904	0.910	0.920
	SPIN1	0.864	0.873	0.878	0.904	0.930	0.935	0.944
LSP3	BY							
	CR3	0.903	0.908	0.911	0.927	0.943	0.946	0.951
	SPAI3	0.884	0.890	0.894	0.912	0.930	0.934	0.940
	SPIN3	0.916	0.922	0.925	0.940	0.955	0.958	0.964
LSP3	ON							
	LSP1	0.090	0.112	0.124	0.184	0.244	0.255	0.278
LSP3	ON							
	NEGAPP2	0.095	0.131	0.149	0.245	0.340	0.359	0.394
	PSKILLS2	-0.585	-0.548	-0.530	-0.432	-0.335	-0.316	-0.280
	EXTERN2	-0.100	-0.077	-0.064	-0.001	0.063	0.075	0.099
	TREAT	-0.330	-0.298	-0.281	-0.193	-0.106	-0.089	-0.057
	SEX	-0.090	-0.069	-0.058	-0.001	0.056	0.067	0.088
	HYPER	-0.160	-0.138	-0.126	-0.066	-0.006	0.006	0.028
NEGAPP2	ON							
	TREAT	-0.489	-0.463	-0.449	-0.379	-0.308	-0.294	-0.268
	HYPER	-0.057	-0.038	-0.028	0.023	0.074	0.084	0.103
	SEX	-0.099	-0.080	-0.070	-0.019	0.031	0.041	0.060
	NEGAPP1	0.177	0.196	0.205	0.256	0.307	0.316	0.335
	PSKILLS2	-0.556	-0.529	-0.516	-0.444	-0.372	-0.359	-0.332
PSKILLS2	ON							
	TREAT	0.703	0.717	0.724	0.760	0.797	0.804	0.818
	HYPER	-0.078	-0.057	-0.045	0.013	0.071	0.082	0.104
	SEX	-0.053	-0.033	-0.023	0.029	0.081	0.091	0.111
	PSKILLS1	0.199	0.222	0.233	0.294	0.354	0.366	0.388
EXTERN2	ON							
	TREAT	-0.163	-0.119	-0.096	0.022	0.141	0.164	0.208
	HYPER	-0.067	-0.037	-0.022	0.058	0.139	0.154	0.184
	SEX	-0.100	-0.073	-0.060	0.012	0.084	0.098	0.125
	EXTERN1	0.202	0.231	0.246	0.322	0.398	0.413	0.441
	PSKILLS2	-0.658	-0.615	-0.594	-0.480	-0.366	-0.344	-0.301
LSP1	WITH							
	NEGAPP1	0.028	0.061	0.078	0.166	0.254	0.271	0.304
	PSKILLS1	-0.322	-0.293	-0.278	-0.200	-0.121	-0.106	-0.077
	EXTERN1	0.025	0.059	0.076	0.167	0.257	0.275	0.309
	TREAT	-0.099	-0.064	-0.047	0.047	0.140	0.158	0.193
	SEX	-0.236	-0.201	-0.184	-0.090	0.003	0.021	0.055
	HYPER	-0.150	-0.114	-0.096	-0.001	0.094	0.112	0.147

PSKILLS1 WITH							
NEGAPP1	-0.344	-0.311	-0.294	-0.205	-0.116	-0.099	-0.066
EXTERN1 WITH							
NEGAPP1	0.080	0.113	0.130	0.217	0.304	0.321	0.353
PSKILLS1	-0.308	-0.277	-0.261	-0.178	-0.095	-0.079	-0.048
HYPER WITH							
NEGAPP1	0.098	0.130	0.146	0.231	0.316	0.333	0.364
PSKILLS1	-0.362	-0.328	-0.311	-0.221	-0.131	-0.114	-0.080
EXTERN1	0.206	0.235	0.249	0.326	0.403	0.418	0.447
SEX WITH							
NEGAPP1	-0.182	-0.148	-0.131	-0.041	0.049	0.066	0.100
PSKILLS1	-0.190	-0.157	-0.140	-0.050	0.039	0.056	0.090
EXTERN1	-0.144	-0.110	-0.093	-0.003	0.087	0.105	0.138
HYPER	-0.114	-0.081	-0.064	0.026	0.116	0.133	0.167
TREAT WITH							
NEGAPP1	-0.135	-0.101	-0.084	0.006	0.096	0.114	0.147
PSKILLS1	-0.156	-0.123	-0.105	-0.015	0.075	0.093	0.126
EXTERN1	-0.173	-0.140	-0.122	-0.032	0.059	0.076	0.110
HYPER	-0.163	-0.130	-0.112	-0.022	0.068	0.086	0.120
SEX	-0.119	-0.085	-0.068	0.022	0.113	0.130	0.164
Means							
NEGAPP1	2.008	2.072	2.104	2.276	2.447	2.480	2.544
PSKILLS1	-2.516	-2.443	-2.405	-2.209	-2.013	-1.976	-1.902
EXTERN1	2.070	2.130	2.161	2.322	2.483	2.513	2.574
HYPER	-0.236	-0.202	-0.184	-0.093	-0.002	0.016	0.050
SEX	0.904	0.939	0.957	1.052	1.147	1.166	1.201
TREAT	0.836	0.869	0.886	0.973	1.061	1.078	1.111
LSP1	4.118	4.244	4.309	4.645	4.981	5.045	5.171
Intercepts							
CR1	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SPAI1	-0.306	-0.200	-0.145	0.140	0.425	0.480	0.587
SPIN1	-0.627	-0.517	-0.461	-0.167	0.127	0.183	0.293
CR3	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SPAI3	-0.146	-0.108	-0.089	0.012	0.113	0.132	0.170
SPIN3	-0.250	-0.215	-0.198	-0.105	-0.012	0.006	0.040
NEGAPP2	-0.158	-0.094	-0.061	0.111	0.284	0.317	0.381
PSKILLS2	-0.901	-0.844	-0.815	-0.665	-0.514	-0.485	-0.429
EXTERN2	0.040	0.147	0.202	0.487	0.773	0.827	0.934
LSP3	0.243	0.370	0.434	0.772	1.110	1.175	1.301
Variances							
NEGAPP1	1.000	1.000	1.000	1.000	1.000	1.000	1.000
PSKILLS1	1.000	1.000	1.000	1.000	1.000	1.000	1.000
EXTERN1	1.000	1.000	1.000	1.000	1.000	1.000	1.000
HYPER	1.000	1.000	1.000	1.000	1.000	1.000	1.000
SEX	1.000	1.000	1.000	1.000	1.000	1.000	1.000
TREAT	1.000	1.000	1.000	1.000	1.000	1.000	1.000
LSP1	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Residual Variances							
CR1	0.127	0.142	0.149	0.188	0.228	0.235	0.250
SPAI1	0.155	0.174	0.183	0.232	0.281	0.291	0.309
SPIN1	0.110	0.127	0.136	0.183	0.230	0.238	0.256
CR3	0.095	0.106	0.112	0.141	0.170	0.175	0.186
SPAI3	0.117	0.129	0.135	0.168	0.202	0.208	0.220
SPIN3	0.072	0.082	0.088	0.116	0.145	0.150	0.161

NEGAPP2	0.254	0.270	0.279	0.322	0.366	0.374	0.390
PSKILLS2	0.271	0.289	0.297	0.343	0.389	0.398	0.415
EXTERN2	0.536	0.561	0.574	0.641	0.708	0.721	0.746
LSP3	0.246	0.266	0.276	0.330	0.384	0.394	0.414

CONFIDENCE INTERVALS OF TOTAL, TOTAL INDIRECT, SPECIFIC INDIRECT, AND DIRECT EFFECTS

Below are the confidence intervals for the unstandardized total and indirect effects, i.e., the combined coefficient parameters.

	Lower .5%	Lower 2.5%	Lower 5%	Estimate	Upper 5%	Upper 2.5%	Upper .5%
Effects from TREAT to LSP3							
Total	-2.026	-1.962	-1.929	-1.758	-1.586	-1.553	-1.489
Total indirect	-1.583	-1.508	-1.470	-1.270	-1.070	-1.032	-0.957
Specific indirect 1							
LSP3							
NEGAPP2							
TREAT	-0.393	-0.355	-0.336	-0.234	-0.132	-0.112	-0.074
Specific indirect 2							
LSP3							
PSKILLS2							
TREAT	-1.146	-1.070	-1.031	-0.829	-0.626	-0.588	-0.512
Specific indirect 3							
LSP3							
EXTERN2							
TREAT	-0.006	-0.004	-0.004	0.000	0.004	0.004	0.006
Specific indirect 4							
LSP3							
NEGAPP2							
PSKILLS2							
TREAT	-0.345	-0.312	-0.296	-0.208	-0.121	-0.104	-0.071
Specific indirect 5							
LSP3							
EXTERN2							
PSKILLS2							
TREAT	-0.091	-0.069	-0.058	0.001	0.059	0.070	0.092
Direct							
LSP3							
TREAT	-0.838	-0.755	-0.712	-0.488	-0.264	-0.221	-0.137
Effects from PSKILLS2 to LSP3							
Total	-1.101	-1.049	-1.022	-0.883	-0.745	-0.718	-0.666
Total indirect	-0.321	-0.286	-0.269	-0.177	-0.085	-0.068	-0.033
Specific indirect 1							
LSP3							
NEGAPP2							
PSKILLS2	-0.293	-0.265	-0.251	-0.177	-0.104	-0.090	-0.062

Specific indirect 2							
LSP3							
EXTERN2							
PSKILLS2	-0.078	-0.059	-0.049	0.001	0.050	0.060	0.079
Direct							
LSP3							
PSKILLS2	-0.962	-0.901	-0.870	-0.707	-0.543	-0.512	-0.451
Effects from TREAT to NEGAPP2							
Total	-1.269	-1.236	-1.219	-1.132	-1.044	-1.027	-0.994
Total indirect	-0.686	-0.650	-0.631	-0.533	-0.436	-0.417	-0.380
Specific indirect 1							
NEGAPP2							
PSKILLS2							
TREAT	-0.686	-0.650	-0.631	-0.533	-0.436	-0.417	-0.380
Direct							
NEGAPP2							
TREAT	-0.775	-0.733	-0.711	-0.598	-0.485	-0.464	-0.421
Effects from TREAT to EXTERN2							
Total	-0.498	-0.467	-0.451	-0.369	-0.286	-0.270	-0.239
Total indirect	-0.550	-0.513	-0.493	-0.393	-0.292	-0.273	-0.235
Specific indirect 1							
EXTERN2							
PSKILLS2							
TREAT	-0.550	-0.513	-0.493	-0.393	-0.292	-0.273	-0.235
Direct							
EXTERN2							
TREAT	-0.176	-0.128	-0.104	0.024	0.152	0.176	0.224

CONFIDENCE INTERVALS OF STANDARDIZED TOTAL, TOTAL INDIRECT, SPECIFIC INDIRECT, AND DIRECT EFFECTS

Below are the confidence intervals for the fully standardized total and indirect effects, i.e., the combined coefficient parameters.

STDYX Standardization

	Lower .5%	Lower 2.5%	Lower 5%	Estimate	Upper 5%	Upper 2.5%	Upper .5%
Effects from TREAT to LSP3							
Total	-0.768	-0.751	-0.742	-0.697	-0.652	-0.644	-0.627
Total indirect	-0.615	-0.589	-0.575	-0.504	-0.433	-0.419	-0.392
Specific indirect 1							
LSP3							
NEGAPP2							
TREAT	-0.155	-0.140	-0.133	-0.093	-0.053	-0.045	-0.030

Specific indirect 2							
LSP3							
PSKILLS2							
TREAT	-0.448	-0.420	-0.405	-0.329	-0.253	-0.238	-0.210
Specific indirect 3							
LSP3							
EXTERN2							
TREAT	-0.002	-0.002	-0.001	0.000	0.001	0.002	0.002
Specific indirect 4							
LSP3							
NEGAPP2							
PSKILLS2							
TREAT	-0.136	-0.123	-0.117	-0.083	-0.048	-0.042	-0.029
Specific indirect 5							
LSP3							
EXTERN2							
PSKILLS2							
TREAT	-0.036	-0.027	-0.023	0.000	0.023	0.028	0.037
Direct							
LSP3							
TREAT	-0.330	-0.298	-0.281	-0.193	-0.106	-0.089	-0.057
Effects from PSKILLS2 to LSP3							
Total	-0.668	-0.638	-0.622	-0.541	-0.459	-0.444	-0.413
Total indirect	-0.196	-0.175	-0.165	-0.108	-0.052	-0.041	-0.020
Specific indirect 1							
LSP3							
NEGAPP2							
PSKILLS2	-0.179	-0.162	-0.153	-0.109	-0.064	-0.055	-0.038
Specific indirect 2							
LSP3							
EXTERN2							
PSKILLS2	-0.048	-0.036	-0.030	0.000	0.031	0.037	0.048
Direct							
LSP3							
PSKILLS2	-0.585	-0.548	-0.530	-0.432	-0.335	-0.316	-0.280
Effects from TREAT to NEGAPP2							
Total	-0.776	-0.761	-0.754	-0.716	-0.678	-0.671	-0.657
Total indirect	-0.425	-0.404	-0.394	-0.338	-0.282	-0.271	-0.250
Specific indirect 1							
NEGAPP2							
PSKILLS2							
TREAT	-0.425	-0.404	-0.394	-0.338	-0.282	-0.271	-0.250
Direct							
NEGAPP2							
TREAT	-0.489	-0.463	-0.449	-0.379	-0.308	-0.294	-0.268

Effects from TREAT to EXTERN2

Total	-0.453	-0.426	-0.413	-0.342	-0.272	-0.258	-0.232
Total indirect	-0.504	-0.470	-0.453	-0.365	-0.276	-0.259	-0.226
Specific indirect 1							
EXTERN2							
PSKILLS2							
TREAT	-0.504	-0.470	-0.453	-0.365	-0.276	-0.259	-0.226
Direct							
EXTERN2							
TREAT	-0.163	-0.119	-0.096	0.022	0.141	0.164	0.208

RESIDUAL OUTPUT

ESTIMATED MODEL AND RESIDUALS (OBSERVED - ESTIMATED)

Below are the model's predicted means for the measured variables.

Model Estimated Means

CR1	SPAI1	SPIN1	CR3	SPAI3
3.101	3.082	3.088	2.281	2.228

Model Estimated Means

SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
2.227	0.430	-0.419	0.820	1.020

Model Estimated Means

PSKILLS1	EXTERN1	HYPER	SEX	TREAT
-0.985	1.006	-0.042	0.526	0.486

Below are the observed means for the measured variables minus their predicted model means. The residuals should be near zero.

Residuals for Means

CR1	SPAI1	SPIN1	CR3	SPAI3
0.000	0.000	0.000	0.000	0.000

Residuals for Means

SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
0.000	0.000	0.000	0.000	0.000

Residuals for Means

PSKILLS1	EXTERN1	HYPER	SEX	TREAT
0.000	0.000	0.000	0.000	0.000

Below are z tests of the differences between the measured variable means and the predicted means from the model. They are statistically non-significant if the absolute value of them is less than 1.96.

Standardized Residuals (z-scores) for Means

CR1	SPAI1	SPIN1	CR3	SPAI3
0.000	0.000	0.000	0.000	0.000

Standardized Residuals (z-scores) for Means

SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
0.000	0.000	0.000	0.000	0.000

Standardized Residuals (z-scores) for Means

PSKILLS1	EXTERN1	HYPER	SEX	TREAT
0.000	0.000	0.000	0.000	0.000

Below are the normalized differences between the measured means and the predicted model means; see Chapter 11 for how they differ from the above z tests

Normalized Residuals for Means

CR1	SPAI1	SPIN1	CR3	SPAI3
0.000	0.000	0.000	0.000	0.000

Normalized Residuals for Means

SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
0.000	0.000	0.000	0.000	0.000

Normalized Residuals for Means

PSKILLS1	EXTERN1	HYPER	SEX	TREAT
0.000	0.000	0.000	0.000	0.000

Below are the predicted covariances between the measured variables in the model.

	Model Estimated Covariances				
	CR1	SPAI1	SPIN1	CR3	SPAI3
CR1	0.549				
SPAI1	0.428	0.536			
SPIN1	0.462	0.444	0.587		
CR3	0.164	0.158	0.170	1.847	
SPAI3	0.159	0.153	0.165	1.539	1.794
SPIN3	0.171	0.164	0.177	1.651	1.601
NEGAPP2	0.020	0.019	0.021	0.701	0.679
PSKILLS2	-0.013	-0.013	-0.014	-0.740	-0.717
EXTERN2	0.024	0.023	0.025	0.252	0.245
NEGAPP1	0.050	0.048	0.052	0.060	0.058
PSKILLS1	-0.059	-0.057	-0.062	-0.102	-0.099
EXTERN1	0.048	0.046	0.050	0.040	0.038
HYPER	0.000	0.000	0.000	-0.002	-0.002
SEX	-0.030	-0.029	-0.031	-0.031	-0.031
TREAT	0.016	0.015	0.016	-0.431	-0.418

	Model Estimated Covariances				
	SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
SPIN3	1.944				
NEGAPP2	0.729	0.624			
PSKILLS2	-0.770	-0.454	0.595		
EXTERN2	0.262	0.163	-0.203	0.290	
NEGAPP1	0.063	0.100	-0.019	0.026	0.201
PSKILLS1	-0.106	-0.061	0.096	-0.049	-0.041
EXTERN1	0.041	0.037	-0.024	0.087	0.042
HYPER	-0.002	0.042	-0.023	0.047	0.046
SEX	-0.033	-0.020	0.012	-0.001	-0.009
TREAT	-0.449	-0.282	0.292	-0.095	0.001

	Model Estimated Covariances				
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
PSKILLS1	0.199				
EXTERN1	-0.034	0.188			
HYPER	-0.044	0.063	0.200		
SEX	-0.011	-0.001	0.006	0.249	
TREAT	-0.003	-0.007	-0.005	0.006	0.250

Below are the predicted correlations between the measured variables in the model.

Model Estimated Correlations					
	CR1	SPAI1	SPIN1	CR3	SPAI3
CR1	1.000				
SPAI1	0.789	1.000			
SPIN1	0.814	0.792	1.000		
CR3	0.163	0.159	0.164	1.000	
SPAI3	0.160	0.156	0.161	0.845	1.000
SPIN3	0.165	0.161	0.166	0.871	0.857
NEGAPP2	0.034	0.033	0.034	0.653	0.642
PSKILLS2	-0.023	-0.022	-0.023	-0.706	-0.694
EXTERN2	0.059	0.058	0.060	0.345	0.339
NEGAPP1	0.150	0.146	0.150	0.099	0.097
PSKILLS1	-0.180	-0.175	-0.180	-0.169	-0.166
EXTERN1	0.150	0.146	0.151	0.067	0.066
HYPER	-0.001	-0.001	-0.001	-0.003	-0.003
SEX	-0.081	-0.079	-0.082	-0.046	-0.046
TREAT	0.042	0.041	0.042	-0.635	-0.625

Model Estimated Correlations					
	SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
SPIN3	1.000				
NEGAPP2	0.662	1.000			
PSKILLS2	-0.716	-0.746	1.000		
EXTERN2	0.350	0.383	-0.490	1.000	
NEGAPP1	0.100	0.284	-0.054	0.109	1.000
PSKILLS1	-0.171	-0.174	0.278	-0.204	-0.205
EXTERN1	0.068	0.107	-0.072	0.375	0.217
HYPER	-0.003	0.120	-0.068	0.196	0.231
SEX	-0.047	-0.052	0.032	-0.002	-0.041
TREAT	-0.644	-0.714	0.756	-0.352	0.006

Model Estimated Correlations					
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
PSKILLS1	1.000				
EXTERN1	-0.178	1.000			
HYPER	-0.221	0.326	1.000		
SEX	-0.050	-0.003	0.026	1.000	
TREAT	-0.015	-0.032	-0.022	0.022	1.000

Below are the measured covariances minus the predicted covariances for variables in the model. The closer they are to zero, the better.

	Residuals for Covariances				
	CR1	SPAI1	SPIN1	CR3	SPAI3
CR1	0.000				
SPAI1	0.000	0.000			
SPIN1	0.001	-0.001	0.000		
CR3	0.020	0.011	-0.021	-0.001	
SPAI3	0.003	0.002	-0.028	-0.001	-0.001
SPIN3	0.031	0.011	0.009	-0.004	0.002
NEGAPP2	0.032	-0.004	-0.009	-0.004	-0.017
PSKILLS2	-0.028	0.000	0.015	-0.010	-0.001
EXTERN2	0.021	0.009	0.009	-0.003	-0.012
NEGAPP1	0.000	0.002	-0.001	-0.007	-0.008
PSKILLS1	-0.009	-0.002	0.011	-0.013	0.008
EXTERN1	-0.007	0.007	0.000	0.048	0.014
HYPER	-0.001	-0.003	0.003	-0.001	-0.005
SEX	0.005	0.003	-0.008	0.009	-0.015
TREAT	-0.008	0.003	0.005	0.002	0.005

	Residuals for Covariances				
	SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
SPIN3	-0.001				
NEGAPP2	0.002	-0.007			
PSKILLS2	0.013	0.007	0.000		
EXTERN2	0.014	-0.008	0.000	0.000	
NEGAPP1	-0.010	-0.007	0.016	-0.014	0.000
PSKILLS1	0.009	-0.006	0.000	0.002	0.000
EXTERN1	0.025	0.022	0.000	0.000	0.000
HYPER	0.004	0.000	0.000	0.000	0.000
SEX	0.003	0.000	0.000	0.000	0.000
TREAT	-0.004	0.000	0.000	0.000	0.000

	Residuals for Covariances				
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
PSKILLS1	0.000				
EXTERN1	0.000	0.000			
HYPER	0.000	0.000	0.000		
SEX	0.000	0.000	0.000	0.000	
TREAT	0.000	0.000	0.000	0.000	0.000

Below are the measured correlations minus the model predicted correlations. The closer they are to zero, the better.

	Residuals for Correlations				
	CR1	SPAI1	SPIN1	CR3	SPAI3
CR1	0.000				
SPAI1	0.000	0.000			
SPIN1	0.002	-0.002	0.000		
CR3	0.020	0.011	-0.020	0.000	
SPAI3	0.003	0.002	-0.027	0.000	0.000
SPIN3	0.030	0.011	0.008	-0.002	0.002
NEGAPP2	0.056	-0.008	-0.015	0.000	-0.012
PSKILLS2	-0.049	0.000	0.025	-0.009	-0.001
EXTERN2	0.053	0.024	0.023	-0.004	-0.017
NEGAPP1	-0.001	0.005	-0.004	-0.012	-0.013
PSKILLS1	-0.027	-0.007	0.031	-0.021	0.013
EXTERN1	-0.021	0.021	0.000	0.081	0.024
HYPER	-0.003	-0.008	0.010	-0.002	-0.008
SEX	0.014	0.009	-0.021	0.013	-0.022
TREAT	-0.020	0.008	0.013	0.002	0.007

	Residuals for Correlations				
	SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
SPIN3	0.000				
NEGAPP2	0.005	0.000			
PSKILLS2	0.011	0.008	0.000		
EXTERN2	0.019	-0.016	0.000	0.000	
NEGAPP1	-0.015	-0.019	0.046	-0.058	0.000
PSKILLS1	0.014	-0.019	0.000	0.010	0.000
EXTERN1	0.042	0.066	0.001	0.000	0.000
HYPER	0.007	0.001	0.000	0.000	0.000
SEX	0.004	0.000	0.000	0.000	0.000
TREAT	-0.007	-0.004	0.000	0.000	0.000

	Residuals for Correlations				
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
PSKILLS1	0.000				
EXTERN1	0.000	0.000			
HYPER	0.000	0.000	0.000		
SEX	0.000	0.000	0.000	0.000	
TREAT	0.000	0.000	0.000	0.000	0.000

Below are z tests of the differences between the predicted and observed covariances in the model. They are statistically non-significant if their absolute value is less than 1.96.

Standardized Residuals (z-scores) for Covariances					
	CR1	SPAI1	SPIN1	CR3	SPAI3
CR1	0.000				
SPAI1	-0.108	0.000			
SPIN1	0.714	-1.445	0.000		
CR3	0.704	0.357	-0.667	-0.099	
SPAI3	0.102	0.069	-0.832	-0.090	-0.079
SPIN3	1.084	0.365	0.364	-0.299	0.256
NEGAPP2	1.348	-0.187	-0.457	-0.300	-1.246
PSKILLS2	-1.365	0.001	0.710	-0.783	-0.093
EXTERN2	1.059	0.449	0.463	-0.238	-0.893
NEGAPP1	-0.028	0.216	-0.209	-0.340	-0.407
PSKILLS1	-1.812	-0.319	1.595	-0.635	0.382
EXTERN1	-1.130	0.998	0.028	2.266	0.654
HYPER	-0.202	-0.317	0.458	-0.118	-0.462
SEX	0.689	0.430	-1.171	0.770	-1.183
TREAT	-1.069	0.366	0.728	0.208	0.505

Standardized Residuals (z-scores) for Covariances					
	SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
SPIN3	-0.114				
NEGAPP2	0.126	999.000			
PSKILLS2	0.683	1.327	0.000		
EXTERN2	0.969	-0.622	0.031	-0.031	
NEGAPP1	-0.473	-1.671	1.377	-1.158	0.000
PSKILLS1	0.428	-0.560	0.000	0.227	0.000
EXTERN1	1.075	2.134	0.032	-0.026	0.000
HYPER	0.339	0.000	0.000	0.000	0.000
SEX	0.310	0.000	0.000	0.000	0.000
TREAT	-0.565	0.000	0.000	0.000	0.000

Standardized Residuals (z-scores) for Covariances					
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
PSKILLS1	0.000				
EXTERN1	0.000	0.000			
HYPER	0.000	0.000	0.000		
SEX	0.000	0.000	0.000	0.000	
TREAT	0.000	0.000	0.000	0.000	0.000

Below are the normalized differences between the predicted and observed covariances; see Chapter 11 for how they differ from the above z tests

Normalized Residuals for Covariances					
	CR1	SPAI1	SPIN1	CR3	SPAI3
CR1	0.000				
SPAI1	-0.005	0.000			
SPIN1	0.032	-0.031	0.000		
CR3	0.364	0.197	-0.358	-0.011	
SPAI3	0.056	0.040	-0.476	-0.011	-0.010
SPIN3	0.547	0.198	0.157	-0.039	0.022
NEGAPP2	0.957	-0.135	-0.290	-0.078	-0.309
PSKILLS2	-0.886	0.001	0.457	-0.176	-0.022
EXTERN2	0.919	0.396	0.399	-0.077	-0.322
NEGAPP1	-0.010	0.089	-0.077	-0.216	-0.250
PSKILLS1	-0.557	-0.142	0.625	-0.380	0.233
EXTERN1	-0.381	0.382	0.009	1.509	0.447
HYPER	-0.061	-0.147	0.171	-0.031	-0.150
SEX	0.252	0.172	-0.375	0.238	-0.407
TREAT	-0.374	0.150	0.248	0.055	0.157

Normalized Residuals for Covariances					
	SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
SPIN3	-0.011				
NEGAPP2	0.031	-0.155			
PSKILLS2	0.222	0.230	0.000		
EXTERN2	0.341	-0.335	0.005	-0.004	
NEGAPP1	-0.288	-0.365	0.802	-0.956	0.000
PSKILLS1	0.250	-0.305	0.000	0.161	0.000
EXTERN1	0.749	1.224	0.017	-0.007	0.000
HYPER	0.120	0.000	0.000	0.000	0.000
SEX	0.078	0.000	0.000	0.000	0.000
TREAT	-0.155	0.000	0.000	0.000	0.000

Normalized Residuals for Covariances					
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
PSKILLS1	0.000				
EXTERN1	0.000	0.000			
HYPER	0.000	0.000	0.000		
SEX	0.000	0.000	0.000	0.000	
TREAT	0.000	0.000	0.000	0.000	0.000

MODEL MODIFICATION INDICES

Minimum M.I. value for printing the modification index 4.000

Below are the model modification indices. Values greater than 4 suggest the parameter will be statistically significant ($p < 0.05$) if added to the model. E.P.C. estimates what the unstandardized parameter value will be if the parameter is added and it was previously constrained to be zero, i.e., omitted from the model. StdYX E.P.C. estimates what the standardized parameter value will be if the parameter is added to the model.

		M.I.	E.P.C.	Std E.P.C.	StdYX E.P.C.
ON Statements					
CR1	ON NEGAPP2	5.076	0.062	0.062	0.067
CR1	ON PSKILLS2	4.684	-0.061	-0.061	-0.064
CR3	ON EXTERN1	4.281	0.160	0.160	0.051
NEGAPP2	ON EXTERN1	5.045	0.137	0.137	0.075
WITH Statements					
EXTERN1	WITH CR3	4.723	0.029	0.029	0.131
EXTERN1	WITH NEGAPP2	4.811	0.022	0.022	0.111
HYPER	WITH NEGAPP2	4.665	-0.066	-0.066	-0.331

The below output provides numerical labels to the parameters estimated by the model using notation from the Mplus Technical Manual. Each estimated parameter has a unique numerical label. You need to know formal SEM matrix model notation to grasp the parameter a number refers to. This is technical information you often need not be concerned with.

TECHNICAL 1 OUTPUT

PARAMETER SPECIFICATION

NU				
CR1	SPAI1	SPIN1	CR3	SPAI3
0	0	0	0	0
NU				
SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
0	0	0	0	0

	NU				
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	LAMBDA				
	LSP1	LSP3	CR1	SPAI1	SPIN1
	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
CR1	0	0	0	0	0
SPAI1	0	0	0	0	0
SPIN1	0	0	0	0	0
CR3	0	0	0	0	0
SPAI3	0	0	0	0	0
SPIN3	0	0	0	0	0
NEGAPP2	0	0	0	0	0
PSKILLS2	0	0	0	0	0
EXTERN2	0	0	0	0	0
NEGAPP1	0	0	0	0	0
PSKILLS1	0	0	0	0	0
EXTERN1	0	0	0	0	0
HYPER	0	0	0	0	0
SEX	0	0	0	0	0
TREAT	0	0	0	0	0
	LAMBDA				
	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
CR1	0	0	0	0	0
SPAI1	0	0	0	0	0
SPIN1	0	0	0	0	0
CR3	0	0	0	0	0
SPAI3	0	0	0	0	0
SPIN3	0	0	0	0	0
NEGAPP2	0	0	0	0	0
PSKILLS2	0	0	0	0	0
EXTERN2	0	0	0	0	0
NEGAPP1	0	0	0	0	0
PSKILLS1	0	0	0	0	0
EXTERN1	0	0	0	0	0
HYPER	0	0	0	0	0
SEX	0	0	0	0	0
TREAT	0	0	0	0	0

	LAMBDA				
	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
CR1	0	0	0	0	0
SPAI1	0	0	0	0	0
SPIN1	0	0	0	0	0
CR3	0	0	0	0	0
SPAI3	0	0	0	0	0
SPIN3	0	0	0	0	0
NEGAPP2	0	0	0	0	0
PSKILLS2	0	0	0	0	0
EXTERN2	0	0	0	0	0
NEGAPP1	0	0	0	0	0
PSKILLS1	0	0	0	0	0
EXTERN1	0	0	0	0	0
HYPER	0	0	0	0	0
SEX	0	0	0	0	0
TREAT	0	0	0	0	0

	LAMBDA	
	SEX	TREAT
CR1	0	0
SPAI1	0	0
SPIN1	0	0
CR3	0	0
SPAI3	0	0
SPIN3	0	0
NEGAPP2	0	0
PSKILLS2	0	0
EXTERN2	0	0
NEGAPP1	0	0
PSKILLS1	0	0
EXTERN1	0	0
HYPER	0	0
SEX	0	0
TREAT	0	0

	THETA				
	CR1	SPAI1	SPIN1	CR3	SPAI3
CR1	0				
SPAI1	0	0			
SPIN1	0	0	0		
CR3	0	0	0	0	
SPAI3	0	0	0	0	0
SPIN3	0	0	0	0	0

NEGAPP2	0	0	0	0	0
PSKILLS2	0	0	0	0	0
EXTERN2	0	0	0	0	0
NEGAPP1	0	0	0	0	0
PSKILLS1	0	0	0	0	0
EXTERN1	0	0	0	0	0
HYPER	0	0	0	0	0
SEX	0	0	0	0	0
TREAT	0	0	0	0	0

THETA					
	SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
SPIN3	0				
NEGAPP2	0	0			
PSKILLS2	0	0	0		
EXTERN2	0	0	0	0	
NEGAPP1	0	0	0	0	0
PSKILLS1	0	0	0	0	0
EXTERN1	0	0	0	0	0
HYPER	0	0	0	0	0
SEX	0	0	0	0	0
TREAT	0	0	0	0	0

THETA					
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
PSKILLS1	0				
EXTERN1	0	0			
HYPER	0	0	0		
SEX	0	0	0	0	
TREAT	0	0	0	0	0

ALPHA					
	LSP1	LSP3	CR1	SPAI1	SPIN1
	1	2	0	3	4

ALPHA					
	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
	0	5	6	7	8

ALPHA					
	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>
ALPHA		TREAT			
	SEX				
	<u>14</u>	<u>15</u>			
BETA					
	LSP1	LSP3	CR1	SPAI1	SPIN1
	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
LSP1	0	0	0	0	0
LSP3	16	0	0	0	0
CR1	0	0	0	0	0
SPAI1	23	0	0	0	0
SPIN1	24	0	0	0	0
CR3	0	0	0	0	0
SPAI3	0	25	0	0	0
SPIN3	0	26	0	0	0
NEGAPP2	0	0	0	0	0
PSKILLS2	0	0	0	0	0
EXTERN2	0	0	0	0	0
NEGAPP1	0	0	0	0	0
PSKILLS1	0	0	0	0	0
EXTERN1	0	0	0	0	0
HYPER	0	0	0	0	0
SEX	0	0	0	0	0
TREAT	0	0	0	0	0
BETA					
	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
LSP1	0	0	0	0	0
LSP3	0	0	0	17	18
CR1	0	0	0	0	0
SPAI1	0	0	0	0	0
SPIN1	0	0	0	0	0
CR3	0	0	0	0	0
SPAI3	0	0	0	0	0
SPIN3	0	0	0	0	0
NEGAPP2	0	0	0	0	27
PSKILLS2	0	0	0	0	0
EXTERN2	0	0	0	0	36
NEGAPP1	0	0	0	0	0

PSKILLS1	0	0	0	0	0
EXTERN1	0	0	0	0	0
HYPER	0	0	0	0	0
SEX	0	0	0	0	0
TREAT	0	0	0	0	0

	BETA				
	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
LSP1	0	0	0	0	0
LSP3	19	0	0	0	20
CR1	0	0	0	0	0
SPAI1	0	0	0	0	0
SPIN1	0	0	0	0	0
CR3	0	0	0	0	0
SPAI3	0	0	0	0	0
SPIN3	0	0	0	0	0
NEGAPP2	0	28	0	0	29
PSKILLS2	0	0	32	0	33
EXTERN2	0	0	0	37	38
NEGAPP1	0	0	0	0	0
PSKILLS1	0	0	0	0	0
EXTERN1	0	0	0	0	0
HYPER	0	0	0	0	0
SEX	0	0	0	0	0
TREAT	0	0	0	0	0

	BETA	
	SEX	TREAT
LSP1	0	0
LSP3	21	22
CR1	0	0
SPAI1	0	0
SPIN1	0	0
CR3	0	0
SPAI3	0	0
SPIN3	0	0
NEGAPP2	30	31
PSKILLS2	34	35
EXTERN2	39	40
NEGAPP1	0	0
PSKILLS1	0	0
EXTERN1	0	0
HYPER	0	0
SEX	0	0
TREAT	0	0

	PSI				
	LSP1	LSP3	CR1	SPAI1	SPIN1
LSP1	41				
LSP3	0	42			
CR1	0	0	43		
SPAI1	0	0	0	44	
SPIN1	0	0	0	0	45
CR3	0	0	0	0	0
SPAI3	0	0	0	0	0
SPIN3	0	0	0	0	0
NEGAPP2	0	0	0	0	0
PSKILLS2	0	0	0	0	0
EXTERN2	0	0	0	0	0
NEGAPP1	52	0	0	0	0
PSKILLS1	54	0	0	0	0
EXTERN1	57	0	0	0	0
HYPER	61	0	0	0	0
SEX	66	0	0	0	0
TREAT	72	0	0	0	0

	PSI				
	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
CR3	46				
SPAI3	0	47			
SPIN3	0	0	48		
NEGAPP2	0	0	0	49	
PSKILLS2	0	0	0	0	50
EXTERN2	0	0	0	0	0
NEGAPP1	0	0	0	0	0
PSKILLS1	0	0	0	0	0
EXTERN1	0	0	0	0	0
HYPER	0	0	0	0	0
SEX	0	0	0	0	0
TREAT	0	0	0	0	0

	PSI				
	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
EXTERN2	51				
NEGAPP1	0	53			
PSKILLS1	0	55	56		
EXTERN1	0	58	59	60	
HYPER	0	62	63	64	65
SEX	0	67	68	69	70
TREAT	0	73	74	75	76

	PSI	
	SEX	TREAT
SEX	71	
TREAT	77	78

The below values are the starting values for the iteration process used to estimate each referenced parameter above.

STARTING VALUES

	NU				
	CR1	SPAI1	SPIN1	CR3	SPAI3
	0.000	0.000	0.000	0.000	0.000
	NU				
	SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
	0.000	0.000	0.000	0.000	0.000
	NU				
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
	0.000	0.000	0.000	0.000	0.000
	LAMBDA				
	LSP1	LSP3	CR1	SPAI1	SPIN1
CR1	0.000	0.000	1.000	0.000	0.000
SPAI1	0.000	0.000	0.000	1.000	0.000
SPIN1	0.000	0.000	0.000	0.000	1.000
CR3	0.000	0.000	0.000	0.000	0.000
SPAI3	0.000	0.000	0.000	0.000	0.000
SPIN3	0.000	0.000	0.000	0.000	0.000
NEGAPP2	0.000	0.000	0.000	0.000	0.000
PSKILLS2	0.000	0.000	0.000	0.000	0.000
EXTERN2	0.000	0.000	0.000	0.000	0.000
NEGAPP1	0.000	0.000	0.000	0.000	0.000
PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.000	0.000	0.000	0.000	0.000
HYPER	0.000	0.000	0.000	0.000	0.000
SEX	0.000	0.000	0.000	0.000	0.000
TREAT	0.000	0.000	0.000	0.000	0.000

	LAMBDA				
	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
CR1	0.000	0.000	0.000	0.000	0.000
SPAI1	0.000	0.000	0.000	0.000	0.000
SPIN1	0.000	0.000	0.000	0.000	0.000
CR3	1.000	0.000	0.000	0.000	0.000
SPAI3	0.000	1.000	0.000	0.000	0.000
SPIN3	0.000	0.000	1.000	0.000	0.000
NEGAPP2	0.000	0.000	0.000	1.000	0.000
PSKILLS2	0.000	0.000	0.000	0.000	1.000
EXTERN2	0.000	0.000	0.000	0.000	0.000
NEGAPP1	0.000	0.000	0.000	0.000	0.000
PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.000	0.000	0.000	0.000	0.000
HYPER	0.000	0.000	0.000	0.000	0.000
SEX	0.000	0.000	0.000	0.000	0.000
TREAT	0.000	0.000	0.000	0.000	0.000

	LAMBDA				
	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
CR1	0.000	0.000	0.000	0.000	0.000
SPAI1	0.000	0.000	0.000	0.000	0.000
SPIN1	0.000	0.000	0.000	0.000	0.000
CR3	0.000	0.000	0.000	0.000	0.000
SPAI3	0.000	0.000	0.000	0.000	0.000
SPIN3	0.000	0.000	0.000	0.000	0.000
NEGAPP2	0.000	0.000	0.000	0.000	0.000
PSKILLS2	0.000	0.000	0.000	0.000	0.000
EXTERN2	1.000	0.000	0.000	0.000	0.000
NEGAPP1	0.000	1.000	0.000	0.000	0.000
PSKILLS1	0.000	0.000	1.000	0.000	0.000
EXTERN1	0.000	0.000	0.000	1.000	0.000
HYPER	0.000	0.000	0.000	0.000	1.000
SEX	0.000	0.000	0.000	0.000	0.000
TREAT	0.000	0.000	0.000	0.000	0.000

	LAMBDA	
	SEX	TREAT
CR1	0.000	0.000
SPAI1	0.000	0.000
SPIN1	0.000	0.000
CR3	0.000	0.000
SPAI3	0.000	0.000
SPIN3	0.000	0.000

NEGAPP2	0.000	0.000
PSKILLS2	0.000	0.000
EXTERN2	0.000	0.000
NEGAPP1	0.000	0.000
PSKILLS1	0.000	0.000
EXTERN1	0.000	0.000
HYPER	0.000	0.000
SEX	1.000	0.000
TREAT	0.000	1.000

	THETA				
	CR1	SPAI1	SPIN1	CR3	SPAI3
CR1	0.000				
SPAI1	0.000	0.000			
SPIN1	0.000	0.000	0.000		
CR3	0.000	0.000	0.000	0.000	
SPAI3	0.000	0.000	0.000	0.000	0.000
SPIN3	0.000	0.000	0.000	0.000	0.000
NEGAPP2	0.000	0.000	0.000	0.000	0.000
PSKILLS2	0.000	0.000	0.000	0.000	0.000
EXTERN2	0.000	0.000	0.000	0.000	0.000
NEGAPP1	0.000	0.000	0.000	0.000	0.000
PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.000	0.000	0.000	0.000	0.000
HYPER	0.000	0.000	0.000	0.000	0.000
SEX	0.000	0.000	0.000	0.000	0.000
TREAT	0.000	0.000	0.000	0.000	0.000

	THETA				
	SPIN3	NEGAPP2	PSKILLS2	EXTERN2	NEGAPP1
SPIN3	0.000				
NEGAPP2	0.000	0.000			
PSKILLS2	0.000	0.000	0.000		
EXTERN2	0.000	0.000	0.000	0.000	
NEGAPP1	0.000	0.000	0.000	0.000	0.000
PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.000	0.000	0.000	0.000	0.000
HYPER	0.000	0.000	0.000	0.000	0.000
SEX	0.000	0.000	0.000	0.000	0.000
TREAT	0.000	0.000	0.000	0.000	0.000

THETA					
	PSKILLS1	EXTERN1	HYPER	SEX	TREAT
PSKILLS1	0.000				
EXTERN1	0.000	0.000			
HYPER	0.000	0.000	0.000		
SEX	0.000	0.000	0.000	0.000	
TREAT	0.000	0.000	0.000	0.000	0.000
ALPHA					
	LSP1	LSP3	CR1	SPAI1	SPIN1
	0.000	0.000	0.000	3.082	3.088
ALPHA					
	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
	0.000	2.228	2.227	0.430	-0.419
ALPHA					
	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
	0.820	1.020	-0.985	1.006	-0.042
ALPHA					
	SEX	TREAT			
	0.526	0.486			
BETA					
	LSP1	LSP3	CR1	SPAI1	SPIN1
LSP1	0.000	0.000	0.000	0.000	0.000
LSP3	0.000	0.000	0.000	0.000	0.000
CR1	1.000	0.000	0.000	0.000	0.000
SPAI1	0.956	0.000	0.000	0.000	0.000
SPIN1	1.035	0.000	0.000	0.000	0.000
CR3	0.000	1.000	0.000	0.000	0.000
SPAI3	0.000	0.973	0.000	0.000	0.000
SPIN3	0.000	1.043	0.000	0.000	0.000
NEGAPP2	0.000	0.000	0.000	0.000	0.000
PSKILLS2	0.000	0.000	0.000	0.000	0.000
EXTERN2	0.000	0.000	0.000	0.000	0.000
NEGAPP1	0.000	0.000	0.000	0.000	0.000

PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.000	0.000	0.000	0.000	0.000
HYPER	0.000	0.000	0.000	0.000	0.000
SEX	0.000	0.000	0.000	0.000	0.000
TREAT	0.000	0.000	0.000	0.000	0.000

	BETA				
	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
LSP1	0.000	0.000	0.000	0.000	0.000
LSP3	0.000	0.000	0.000	0.000	0.000
CR1	0.000	0.000	0.000	0.000	0.000
SPAI1	0.000	0.000	0.000	0.000	0.000
SPIN1	0.000	0.000	0.000	0.000	0.000
CR3	0.000	0.000	0.000	0.000	0.000
SPAI3	0.000	0.000	0.000	0.000	0.000
SPIN3	0.000	0.000	0.000	0.000	0.000
NEGAPP2	0.000	0.000	0.000	0.000	0.000
PSKILLS2	0.000	0.000	0.000	0.000	0.000
EXTERN2	0.000	0.000	0.000	0.000	0.000
NEGAPP1	0.000	0.000	0.000	0.000	0.000
PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.000	0.000	0.000	0.000	0.000
HYPER	0.000	0.000	0.000	0.000	0.000
SEX	0.000	0.000	0.000	0.000	0.000
TREAT	0.000	0.000	0.000	0.000	0.000

	BETA				
	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
LSP1	0.000	0.000	0.000	0.000	0.000
LSP3	0.000	0.000	0.000	0.000	0.000
CR1	0.000	0.000	0.000	0.000	0.000
SPAI1	0.000	0.000	0.000	0.000	0.000
SPIN1	0.000	0.000	0.000	0.000	0.000
CR3	0.000	0.000	0.000	0.000	0.000
SPAI3	0.000	0.000	0.000	0.000	0.000
SPIN3	0.000	0.000	0.000	0.000	0.000
NEGAPP2	0.000	0.000	0.000	0.000	0.000
PSKILLS2	0.000	0.000	0.000	0.000	0.000
EXTERN2	0.000	0.000	0.000	0.000	0.000
NEGAPP1	0.000	0.000	0.000	0.000	0.000
PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.000	0.000	0.000	0.000	0.000
HYPER	0.000	0.000	0.000	0.000	0.000
SEX	0.000	0.000	0.000	0.000	0.000
TREAT	0.000	0.000	0.000	0.000	0.000

	BETA	
	SEX	TREAT
LSP1	0.000	0.000
LSP3	0.000	0.000
CR1	0.000	0.000
SPAI1	0.000	0.000
SPIN1	0.000	0.000
CR3	0.000	0.000
SPAI3	0.000	0.000
SPIN3	0.000	0.000
NEGAPP2	0.000	0.000
PSKILLS2	0.000	0.000
EXTERN2	0.000	0.000
NEGAPP1	0.000	0.000
PSKILLS1	0.000	0.000
EXTERN1	0.000	0.000
HYPER	0.000	0.000
SEX	0.000	0.000
TREAT	0.000	0.000

	PSI				
	LSP1	LSP3	CR1	SPAI1	SPIN1
LSP1	0.050				
LSP3	0.000	0.050			
CR1	0.000	0.000	0.275		
SPAI1	0.000	0.000	0.000	0.268	
SPIN1	0.000	0.000	0.000	0.000	0.293
CR3	0.000	0.000	0.000	0.000	0.000
SPAI3	0.000	0.000	0.000	0.000	0.000
SPIN3	0.000	0.000	0.000	0.000	0.000
NEGAPP2	0.000	0.000	0.000	0.000	0.000
PSKILLS2	0.000	0.000	0.000	0.000	0.000
EXTERN2	0.000	0.000	0.000	0.000	0.000
NEGAPP1	0.000	0.000	0.000	0.000	0.000
PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.000	0.000	0.000	0.000	0.000
HYPER	0.000	0.000	0.000	0.000	0.000
SEX	0.000	0.000	0.000	0.000	0.000
TREAT	0.000	0.000	0.000	0.000	0.000

	PSI				
	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
CR3	0.923				
SPAI3	0.000	0.897			

SPIN3	0.000	0.000	0.971		
NEGAPP2	0.000	0.000	0.000	0.309	
PSKILLS2	0.000	0.000	0.000	0.000	0.297
EXTERN2	0.000	0.000	0.000	0.000	0.000
NEGAPP1	0.000	0.000	0.000	0.000	0.000
PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.000	0.000	0.000	0.000	0.000
HYPER	0.000	0.000	0.000	0.000	0.000
SEX	0.000	0.000	0.000	0.000	0.000
TREAT	0.000	0.000	0.000	0.000	0.000

	PSI				
	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
EXTERN2	0.145				
NEGAPP1	0.000	0.100			
PSKILLS1	0.000	0.000	0.099		
EXTERN1	0.000	0.000	0.000	0.094	
HYPER	0.000	0.000	0.000	0.000	0.100
SEX	0.000	0.000	0.000	0.000	0.000
TREAT	0.000	0.000	0.000	0.000	0.000

	PSI	
	SEX	TREAT
SEX	0.125	
TREAT	0.000	0.125

TECHNICAL 4 OUTPUT

This section provides model estimates of different parameters, their standard errors, their critical ratios (Est./S.E.) and their p values.

ESTIMATES DERIVED FROM THE MODEL

ESTIMATED MEANS FOR THE LATENT VARIABLES				
LSP1	LSP3	CR1	SPAI1	SPIN1
3.101	2.281	3.101	3.082	3.088
ESTIMATED MEANS FOR THE LATENT VARIABLES				
CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
2.281	2.228	2.227	0.430	-0.419

ESTIMATED MEANS FOR THE LATENT VARIABLES

EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
0.820	1.020	-0.985	1.006	-0.042

ESTIMATED MEANS FOR THE LATENT VARIABLES

SEX	TREAT
0.526	0.486

S.E. FOR ESTIMATED MEANS FOR THE LATENT VARIABLES

LSP1	LSP3	CR1	SPAI1	SPIN1
0.041	0.074	0.041	0.040	0.042

S.E. FOR ESTIMATED MEANS FOR THE LATENT VARIABLES

CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
0.074	0.073	0.076	0.043	0.042

S.E. FOR ESTIMATED MEANS FOR THE LATENT VARIABLES

EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
0.029	0.025	0.024	0.024	0.025

S.E. FOR ESTIMATED MEANS FOR THE LATENT VARIABLES

SEX	TREAT
0.027	0.027

EST./S.E. FOR ESTIMATED MEANS FOR THE LATENT VARIABLES

LSP1	LSP3	CR1	SPAI1	SPIN1
76.359	30.642	76.359	76.829	73.564

EST./S.E. FOR ESTIMATED MEANS FOR THE LATENT VARIABLES

CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
30.642	30.358	29.161	9.991	-9.926

EST./S.E. FOR ESTIMATED MEANS FOR THE LATENT VARIABLES

EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
27.823	41.529	-40.317	42.369	-1.699

EST./S.E. FOR ESTIMATED MEANS FOR THE LATENT VARIABLES

SEX	TREAT
19.205	17.762

TWO-TAILED P-VALUE FOR ESTIMATED MEANS FOR THE LATENT VARIABLES

LSP1	LSP3	CR1	SPAI1	SPIN1
0.000	0.000	0.000	0.000	0.000

TWO-TAILED P-VALUE FOR ESTIMATED MEANS FOR THE LATENT VARIABLES

CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
0.000	0.000	0.000	0.000	0.000

TWO-TAILED P-VALUE FOR ESTIMATED MEANS FOR THE LATENT VARIABLES

EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
0.000	0.000	0.000	0.000	0.089

TWO-TAILED P-VALUE FOR ESTIMATED MEANS FOR THE LATENT VARIABLES

SEX	TREAT
0.000	0.000

ESTIMATED COVARIANCE MATRIX FOR THE LATENT VARIABLES

	LSP1	LSP3	CR1	SPAI1	SPIN1
LSP1	0.446				
LSP3	0.164	1.587			
CR1	0.446	0.164	0.549		
SPAI1	0.428	0.158	0.428	0.536	
SPIN1	0.462	0.170	0.462	0.444	0.587
CR3	0.164	1.587	0.164	0.158	0.170
SPAI3	0.159	1.539	0.159	0.153	0.165
SPIN3	0.171	1.651	0.171	0.164	0.177
NEGAPP2	0.020	0.701	0.020	0.019	0.021
PSKILLS2	-0.013	-0.740	-0.013	-0.013	-0.014

EXTERN2	0.024	0.252	0.024	0.023	0.025
NEGAPP1	0.050	0.060	0.050	0.048	0.052
PSKILLS1	-0.059	-0.102	-0.059	-0.057	-0.062
EXTERN1	0.048	0.040	0.048	0.046	0.050
HYPER	0.000	-0.002	0.000	0.000	0.000
SEX	-0.030	-0.031	-0.030	-0.029	-0.031
TREAT	0.016	-0.431	0.016	0.015	0.016

ESTIMATED COVARIANCE MATRIX FOR THE LATENT VARIABLES

	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
CR3	1.847				
SPAI3	1.539	1.794			
SPIN3	1.651	1.601	1.944		
NEGAPP2	0.701	0.679	0.729	0.624	
PSKILLS2	-0.740	-0.717	-0.770	-0.454	0.595
EXTERN2	0.252	0.245	0.262	0.163	-0.203
NEGAPP1	0.060	0.058	0.063	0.100	-0.019
PSKILLS1	-0.102	-0.099	-0.106	-0.061	0.096
EXTERN1	0.040	0.038	0.041	0.037	-0.024
HYPER	-0.002	-0.002	-0.002	0.042	-0.023
SEX	-0.031	-0.031	-0.033	-0.020	0.012
TREAT	-0.431	-0.418	-0.449	-0.282	0.292

ESTIMATED COVARIANCE MATRIX FOR THE LATENT VARIABLES

	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
EXTERN2	0.290				
NEGAPP1	0.026	0.201			
PSKILLS1	-0.049	-0.041	0.199		
EXTERN1	0.087	0.042	-0.034	0.188	
HYPER	0.047	0.046	-0.044	0.063	0.200
SEX	-0.001	-0.009	-0.011	-0.001	0.006
TREAT	-0.095	0.001	-0.003	-0.007	-0.005

ESTIMATED COVARIANCE MATRIX FOR THE LATENT VARIABLES

	SEX	TREAT
SEX	0.249	
TREAT	0.006	0.250

S.E. FOR ESTIMATED COVARIANCE MATRIX FOR THE LATENT VARIABLES

	LSP1	LSP3	CR1	SPAI1	SPIN1
LSP1	0.038				
LSP3	0.047	0.114			
CR1	0.038	0.047	0.038		
SPAI1	0.035	0.046	0.035	0.037	
SPIN1	0.036	0.049	0.036	0.038	0.044
CR3	0.047	0.114	0.047	0.046	0.049
SPAI3	0.045	0.104	0.045	0.045	0.048
SPIN3	0.049	0.104	0.049	0.048	0.051
NEGAPP2	0.024	0.053	0.024	0.023	0.025
PSKILLS2	0.024	0.054	0.024	0.023	0.025
EXTERN2	0.011	0.037	0.011	0.011	0.012
NEGAPP1	0.017	0.025	0.017	0.016	0.017
PSKILLS1	0.015	0.027	0.015	0.015	0.016
EXTERN1	0.017	0.023	0.017	0.016	0.017
HYPER	0.017	0.031	0.017	0.017	0.018
SEX	0.019	0.035	0.019	0.018	0.020
TREAT	0.019	0.028	0.019	0.018	0.020

S.E. FOR ESTIMATED COVARIANCE MATRIX FOR THE LATENT VARIABLES

	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
CR3	0.109				
SPAI3	0.104	0.115			
SPIN3	0.104	0.104	0.115		
NEGAPP2	0.053	0.053	0.055	0.043	
PSKILLS2	0.054	0.053	0.054	0.031	0.033
EXTERN2	0.037	0.036	0.039	0.019	0.022
NEGAPP1	0.025	0.025	0.026	0.020	0.016
PSKILLS1	0.027	0.026	0.028	0.017	0.019
EXTERN1	0.023	0.023	0.024	0.015	0.015
HYPER	0.031	0.030	0.032	0.020	0.020
SEX	0.035	0.034	0.037	0.021	0.021
TREAT	0.028	0.027	0.028	0.015	0.014

S.E. FOR ESTIMATED COVARIANCE MATRIX FOR THE LATENT VARIABLES

	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
EXTERN2	0.022				
NEGAPP1	0.008	0.015			
PSKILLS1	0.011	0.011	0.018		
EXTERN1	0.013	0.011	0.010	0.014	
HYPER	0.015	0.012	0.012	0.011	0.017
SEX	0.015	0.012	0.012	0.012	0.012
TREAT	0.014	0.012	0.012	0.012	0.012

S.E. FOR ESTIMATED COVARIANCE MATRIX FOR THE LATENT VARIABLES

	SEX	TREAT
SEX	0.001	
TREAT	0.014	0.001

EST./S.E. FOR ESTIMATED COVARIANCE MATRIX FOR THE LATENT VARIABLES

	LSP1	LSP3	CR1	SPAI1	SPIN1
LSP1	11.773				
LSP3	3.508	13.942			
CR1	11.773	3.508	14.565		
SPAI1	12.387	3.420	12.387	14.392	
SPIN1	12.871	3.473	12.871	11.699	13.456
CR3	3.508	13.942	3.508	3.420	3.473
SPAI3	3.503	14.800	3.503	3.412	3.466
SPIN3	3.482	15.939	3.482	3.394	3.453
NEGAPP2	0.842	13.267	0.842	0.842	0.843
PSKILLS2	-0.551	-13.722	-0.551	-0.551	-0.552
EXTERN2	2.067	6.757	2.067	2.061	2.074
NEGAPP1	3.009	2.382	3.009	2.980	2.988
PSKILLS1	-3.843	-3.845	-3.843	-3.847	-3.905
EXTERN1	2.908	1.688	2.908	2.876	2.902
HYPER	-0.023	-0.062	-0.023	-0.023	-0.023
SEX	-1.594	-0.889	-1.594	-1.575	-1.571
TREAT	0.827	-15.531	0.827	0.826	0.826

EST./S.E. FOR ESTIMATED COVARIANCE MATRIX FOR THE LATENT VARIABLES

	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
CR3	16.960				
SPAI3	14.800	15.568			
SPIN3	15.939	15.322	16.852		
NEGAPP2	13.267	12.868	13.242	14.637	
PSKILLS2	-13.722	-13.434	-14.349	-14.647	18.056
EXTERN2	6.757	6.832	6.759	8.544	-9.082
NEGAPP1	2.382	2.373	2.370	5.143	-1.140
PSKILLS1	-3.845	-3.830	-3.810	-3.517	4.964
EXTERN1	1.688	1.699	1.691	2.461	-1.626
HYPER	-0.062	-0.062	-0.062	2.079	-1.170
SEX	-0.889	-0.888	-0.890	-0.956	0.580
TREAT	-15.531	-15.258	-16.149	-18.765	21.025

EST./S.E. FOR ESTIMATED COVARIANCE MATRIX FOR THE LATENT VARIABLES

	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
EXTERN2	13.373				
NEGAPP1	3.182	13.022			
PSKILLS1	-4.587	-3.569	11.106		
EXTERN1	6.516	3.763	-3.282	13.476	
HYPER	3.172	3.992	-3.667	5.747	12.110
SEX	-0.034	-0.756	-0.926	-0.053	0.482
TREAT	-6.837	0.114	-0.273	-0.579	-0.399

EST./S.E. FOR ESTIMATED COVARIANCE MATRIX FOR THE LATENT VARIABLES

	SEX	TREAT
SEX	178.493	
TREAT	0.410	337.470

TWO-TAILED P-VALUE FOR ESTIMATED COVARIANCE MATRIX FOR THE LATENT

VARIABLES

	LSP1	LSP3	CR1	SPAI1	SPIN1
LSP1	0.000				
LSP3	0.000	0.000			
CR1	0.000	0.000	0.000		
SPAI1	0.000	0.001	0.000	0.000	
SPIN1	0.000	0.001	0.000	0.000	0.000
CR3	0.000	0.000	0.000	0.001	0.001
SPAI3	0.000	0.000	0.000	0.001	0.001
SPIN3	0.000	0.000	0.000	0.001	0.001
NEGAPP2	0.400	0.000	0.400	0.400	0.399
PSKILLS2	0.582	0.000	0.582	0.582	0.581
EXTERN2	0.039	0.000	0.039	0.039	0.038
NEGAPP1	0.003	0.017	0.003	0.003	0.003
PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.004	0.091	0.004	0.004	0.004
HYPER	0.982	0.951	0.982	0.982	0.982
SEX	0.111	0.374	0.111	0.115	0.116
TREAT	0.408	0.000	0.408	0.409	0.409

TWO-TAILED P-VALUE FOR ESTIMATED COVARIANCE MATRIX FOR THE LATENT

VARIABLES

	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
CR3	0.000				
SPAI3	0.000	0.000			
SPIN3	0.000	0.000	0.000		

NEGAPP2	0.000	0.000	0.000	0.000	
PSKILLS2	0.000	0.000	0.000	0.000	0.000
EXTERN2	0.000	0.000	0.000	0.000	0.000
NEGAPP1	0.017	0.018	0.018	0.000	0.254
PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.091	0.089	0.091	0.014	0.104
HYPER	0.951	0.951	0.951	0.038	0.242
SEX	0.374	0.375	0.373	0.339	0.562
TREAT	0.000	0.000	0.000	0.000	0.000

TWO-TAILED P-VALUE FOR ESTIMATED COVARIANCE MATRIX FOR THE LATENT
VARIABLES

	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
EXTERN2	0.000				
NEGAPP1	0.001	0.000			
PSKILLS1	0.000	0.000	0.000		
EXTERN1	0.000	0.000	0.001	0.000	
HYPER	0.002	0.000	0.000	0.000	0.000
SEX	0.973	0.450	0.354	0.958	0.629
TREAT	0.000	0.909	0.785	0.562	0.690

TWO-TAILED P-VALUE FOR ESTIMATED COVARIANCE MATRIX FOR THE LATENT
VARIABLES

	SEX	TREAT
SEX	0.000	
TREAT	0.682	0.000

ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	LSP1	LSP3	CR1	SPAI1	SPIN1
LSP1	1.000				
LSP3	0.195	1.000			
CR1	0.901	0.176	1.000		
SPAI1	0.876	0.171	0.789	1.000	
SPIN1	0.904	0.177	0.814	0.792	1.000
CR3	0.181	0.927	0.163	0.159	0.164
SPAI3	0.178	0.912	0.160	0.156	0.161
SPIN3	0.184	0.940	0.165	0.161	0.166
NEGAPP2	0.038	0.704	0.034	0.033	0.034
PSKILLS2	-0.026	-0.761	-0.023	-0.022	-0.023
EXTERN2	0.066	0.372	0.059	0.058	0.060
NEGAPP1	0.166	0.107	0.150	0.146	0.150
PSKILLS1	-0.200	-0.182	-0.180	-0.175	-0.180
EXTERN1	0.167	0.073	0.150	0.146	0.151

HYPER	-0.001	-0.003	-0.001	-0.001	-0.001
SEX	-0.090	-0.050	-0.081	-0.079	-0.082
TREAT	0.047	-0.685	0.042	0.041	0.042

ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
CR3	1.000				
SPAI3	0.845	1.000			
SPIN3	0.871	0.857	1.000		
NEGAPP2	0.653	0.642	0.662	1.000	
PSKILLS2	-0.706	-0.694	-0.716	-0.746	1.000
EXTERN2	0.345	0.339	0.350	0.383	-0.490
NEGAPP1	0.099	0.097	0.100	0.284	-0.054
PSKILLS1	-0.169	-0.166	-0.171	-0.174	0.278
EXTERN1	0.067	0.066	0.068	0.107	-0.072
HYPER	-0.003	-0.003	-0.003	0.120	-0.068
SEX	-0.046	-0.046	-0.047	-0.052	0.032
TREAT	-0.635	-0.625	-0.644	-0.714	0.756

ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
EXTERN2	1.000				
NEGAPP1	0.109	1.000			
PSKILLS1	-0.204	-0.205	1.000		
EXTERN1	0.375	0.217	-0.178	1.000	
HYPER	0.196	0.231	-0.221	0.326	1.000
SEX	-0.002	-0.041	-0.050	-0.003	0.026
TREAT	-0.352	0.006	-0.015	-0.032	-0.022

ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	SEX	TREAT
SEX	1.000	
TREAT	0.022	1.000

S.E. FOR ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	LSP1	LSP3	CR1	SPAI1	SPIN1
LSP1	0.000				
LSP3	0.054	0.000			
CR1	0.013	0.048	0.000		
SPAI1	0.017	0.048	0.020	0.000	
SPIN1	0.016	0.049	0.018	0.022	0.000

CR3	0.050	0.009	0.045	0.044	0.045
SPAI3	0.049	0.011	0.044	0.044	0.045
SPIN3	0.051	0.009	0.045	0.045	0.046
NEGAPP2	0.045	0.026	0.040	0.039	0.040
PSKILLS2	0.046	0.026	0.042	0.041	0.042
EXTERN2	0.031	0.047	0.028	0.027	0.028
NEGAPP1	0.054	0.044	0.048	0.047	0.049
PSKILLS1	0.048	0.044	0.043	0.042	0.043
EXTERN1	0.055	0.043	0.050	0.049	0.050
HYPER	0.058	0.055	0.052	0.051	0.052
SEX	0.057	0.056	0.051	0.050	0.051
TREAT	0.057	0.028	0.051	0.050	0.051

S.E. FOR ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
CR3	0.000				
SPAI3	0.014	0.000			
SPIN3	0.012	0.014	0.000		
NEGAPP2	0.026	0.026	0.027	0.000	
PSKILLS2	0.026	0.026	0.025	0.020	0.000
EXTERN2	0.043	0.042	0.044	0.034	0.039
NEGAPP1	0.041	0.040	0.041	0.048	0.047
PSKILLS1	0.041	0.040	0.042	0.046	0.049
EXTERN1	0.040	0.039	0.040	0.042	0.044
HYPER	0.051	0.050	0.052	0.056	0.058
SEX	0.052	0.051	0.053	0.054	0.055
TREAT	0.028	0.028	0.028	0.023	0.023

S.E. FOR ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
EXTERN2	0.000				
NEGAPP1	0.032	0.000			
PSKILLS1	0.038	0.054	0.000		
EXTERN1	0.045	0.053	0.050	0.000	
HYPER	0.059	0.052	0.055	0.047	0.000
SEX	0.055	0.055	0.054	0.055	0.055
TREAT	0.047	0.055	0.055	0.055	0.055

S.E. FOR ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	SEX	TREAT
SEX	0.000	
TREAT	0.055	0.000

EST./S.E. FOR ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	LSP1	LSP3	CR1	SPAI1	SPIN1
LSP1	999.000				
LSP3	3.643	999.000			
CR1	68.030	3.648	999.000		
SPAI1	51.514	3.596	39.765	999.000	
SPIN1	57.621	3.624	44.417	36.603	999.000
CR3	3.635	97.966	3.640	3.588	3.616
SPAI3	3.633	82.725	3.638	3.585	3.612
SPIN3	3.636	102.024	3.640	3.588	3.617
NEGAPP2	0.849	26.707	0.848	0.848	0.849
PSKILLS2	-0.554	-29.837	-0.553	-0.553	-0.553
EXTERN2	2.122	7.978	2.116	2.110	2.115
NEGAPP1	3.099	2.439	3.102	3.082	3.090
PSKILLS1	-4.185	-4.110	-4.139	-4.151	-4.161
EXTERN1	3.032	1.704	3.031	3.006	3.022
HYPER	-0.023	-0.062	-0.023	-0.023	-0.023
SEX	-1.597	-0.891	-1.596	-1.593	-1.591
TREAT	0.825	-24.320	0.826	0.825	0.825

EST./S.E. FOR ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
CR3	999.000				
SPAI3	58.857	999.000			
SPIN3	73.197	61.721	999.000		
NEGAPP2	25.202	24.491	24.719	999.000	
PSKILLS2	-26.971	-26.698	-28.459	-36.830	999.000
EXTERN2	7.957	8.004	7.941	11.373	-12.654
NEGAPP1	2.434	2.435	2.434	5.863	-1.147
PSKILLS1	-4.099	-4.102	-4.092	-3.817	5.691
EXTERN1	1.703	1.706	1.703	2.537	-1.637
HYPER	-0.062	-0.062	-0.062	2.152	-1.173
SEX	-0.891	-0.890	-0.891	-0.961	0.580
TREAT	-22.567	-22.140	-22.943	-31.234	32.504

EST./S.E. FOR ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
EXTERN2	999.000				
NEGAPP1	3.343	999.000			
PSKILLS1	-5.394	-3.803	999.000		
EXTERN1	8.288	4.088	-3.531	999.000	
HYPER	3.347	4.469	-4.038	6.967	999.000
SEX	-0.034	-0.755	-0.925	-0.053	0.482

TREAT	-7.407	0.114	-0.273	-0.578	-0.399
-------	--------	-------	--------	--------	--------

EST./S.E. FOR ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	SEX	TREAT
SEX	999.000	
TREAT	0.410	999.000

TWO-TAILED P-VALUE FOR ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	LSP1	LSP3	CR1	SPAI1	SPIN1
LSP1	0.000				
LSP3	0.000	0.000			
CR1	0.000	0.000	0.000		
SPAI1	0.000	0.000	0.000	0.000	
SPIN1	0.000	0.000	0.000	0.000	0.000
CR3	0.000	0.000	0.000	0.000	0.000
SPAI3	0.000	0.000	0.000	0.000	0.000
SPIN3	0.000	0.000	0.000	0.000	0.000
NEGAPP2	0.396	0.000	0.396	0.396	0.396
PSKILLS2	0.580	0.000	0.580	0.580	0.580
EXTERN2	0.034	0.000	0.034	0.035	0.034
NEGAPP1	0.002	0.015	0.002	0.002	0.002
PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.002	0.088	0.002	0.003	0.003
HYPER	0.982	0.951	0.982	0.982	0.982
SEX	0.110	0.373	0.110	0.111	0.112
TREAT	0.409	0.000	0.409	0.409	0.409

TWO-TAILED P-VALUE FOR ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	CR3	SPAI3	SPIN3	NEGAPP2	PSKILLS2
CR3	0.000				
SPAI3	0.000	0.000			
SPIN3	0.000	0.000	0.000		
NEGAPP2	0.000	0.000	0.000	0.000	
PSKILLS2	0.000	0.000	0.000	0.000	0.000
EXTERN2	0.000	0.000	0.000	0.000	0.000
NEGAPP1	0.015	0.015	0.015	0.000	0.251
PSKILLS1	0.000	0.000	0.000	0.000	0.000
EXTERN1	0.089	0.088	0.089	0.011	0.102
HYPER	0.951	0.951	0.951	0.031	0.241
SEX	0.373	0.374	0.373	0.336	0.562
TREAT	0.000	0.000	0.000	0.000	0.000

TWO-TAILED P-VALUE FOR ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	EXTERN2	NEGAPP1	PSKILLS1	EXTERN1	HYPER
EXTERN2	0.000				
NEGAPP1	0.001	0.000			
PSKILLS1	0.000	0.000	0.000		
EXTERN1	0.000	0.000	0.000	0.000	
HYPER	0.001	0.000	0.000	0.000	0.000
SEX	0.973	0.450	0.355	0.958	0.630
TREAT	0.000	0.909	0.785	0.563	0.690

TWO-TAILED P-VALUE FOR ESTIMATED CORRELATION MATRIX FOR THE LATENT VARIABLES

	SEX	TREAT
SEX	0.000	
TREAT	0.682	0.000