

```
. sem (Muskelp Probleme Grippehnliche Symptome Atemprobleme HerzKreislaufProbleme Temperregulierungsstrungen Sehstrungen <- muscle if Geschlecht ==1 & p
> od(ml) latent (muscle)
```

Endogenous variables

Measurement: Muskelp Probleme Grippehnliche Symptome Atemprobleme HerzKreislaufProbleme Temperregulierungsstrungen Sehstrungen

Exogenous variables

Latent: muscle

Fitting target model:

```
Iteration 0: log likelihood = -921.10627
Iteration 1: log likelihood = -920.70596
Iteration 2: log likelihood = -920.70383
Iteration 3: log likelihood = -920.70383
```

```
Structural equation model          Number of obs    =      349
Estimation method = ml
Log likelihood      = -920.70383
```

(1) [Muskelp Probleme]muscle = 1

		OIM					
		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
Measurement Muskelp Probleme <-							
	muscle _cons	1 .8882521	(constrained) .0168646	52.67	0.000	.8551982 .9213061	
GrippehnlicheSymptome <-							
	muscle _cons	.7274443 .8137536	.1661487 .020839	4.38 39.05	0.000 0.000	.4017989 .7729098	1.05309 .8545973
Atemprobleme <-							
	muscle _cons	1.489829 .6819484	.2454939 .0249294	6.07 27.36	0.000 0.000	1.008669 .6330877	1.970988 .7308092
HerzKreislaufProbleme <-							
	muscle _cons	1.379542 .8280802	.2029676 .020197	6.80 41.00	0.000 0.000	.9817323 .7884949	1.777351 .8676656
Temperregulierungsstrungen <-							
	muscle _cons	1.248512 .8223496	.1958977 .0204597	6.37 40.19	0.000 0.000	.8645599 .7822494	1.632465 .8624498
Sehstrungen <-							
	muscle _cons	1.351477 .6504298	.2294277 .0255244	5.89 25.48	0.000 0.000	.9018066 .600403	1.801146 .7004566
Variance							
	e.Muskelp Probleme	.0714912	.0066385			.0595953	.0857616
	e.GrippehnlicheSymptome	.136864	.010909			.1170691	.1600059
	e.Atemprobleme	.1552588	.0145536			.1292012	.1865718
	e.HerzKreislaufProbleme	.089515	.0094349			.0728081	.1100556
	e.Temperregulierungsstrungen	.1028048	.0096945			.0854564	.123675
	e.Sehstrungen	.1766509	.0156105			.1485579	.2100564
	muscle	.0277691	.0064771			.01758	.0438635

LR test of model vs. saturated: chi2(9) = 14.51, Prob > chi2 = 0.1054

```
. estat gof, stats(all)
```

Fit statistic	Value	Description
Likelihood ratio		
chi2_ms(9)	14.508	model vs. saturated
p > chi2	0.105	
chi2_bs(15)	248.971	baseline vs. saturated
p > chi2	0.000	
Population error		
RMSEA	0.042	Root mean squared error of approximation
90% CI, lower bound	0.000	
upper bound	0.080	
pclose	0.587	Probability RMSEA <= 0.05
Information criteria		
AIC	1877.408	Akaike's information criterion
BIC	1946.799	Bayesian information criterion
Baseline comparison		
CFI	0.976	Comparative fit index
TLI	0.961	Tucker-Lewis index
Size of residuals		
SRMR	0.028	Standardized root mean squared residual
CD	0.687	Coefficient of determination

.

```
. sem (Muskelp Probleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierungsstrungen Sehstrungen <- muscle if Geschlecht :
> 1) latent (muscle)
```

Endogenous variables

Measurement: Muskelp Probleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierungsstrungen Sehstrungen

Exogenous variables

Latent: muscle

Fitting target model:

```
Iteration 0: log likelihood = -751.77125
Iteration 1: log likelihood = -750.556
Iteration 2: log likelihood = -750.43286
Iteration 3: log likelihood = -750.43099
Iteration 4: log likelihood = -750.43099
```

```
Structural equation model          Number of obs    =      259
Estimation method = ml
Log likelihood      = -750.43099
```

(1) [Muskelp Probleme]muscle = 1

		OIM				
		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
Measurement						
Muskelp Probleme <-						
	muscle	1 (constrained)				
	_cons	.8532819	.0219856	38.81	0.000	.8101909 .8963728
GrippehnlicheSymptome <-						
	muscle	.604103	.2250874	2.68	0.007	.1629398 1.045266
	_cons	.7065637	.0282932	24.97	0.000	.65111 .7620174
Atemprobleme <-						
	muscle	1.869737	.3550583	5.27	0.000	1.173836 2.565638
	_cons	.7142857	.0280706	25.45	0.000	.6592683 .7693031
HerzKreislaufProbleme <-						
	muscle	1.110719	.241811	4.59	0.000	.6367784 1.58466
	_cons	.8455598	.0224544	37.66	0.000	.8015499 .8895698
Temperregulierungsstrungen <-						
	muscle	1.317443	.2674571	4.93	0.000	.7932364 1.841649
	_cons	.8108108	.0243365	33.32	0.000	.7631122 .8585095
Sehstrungen <-						
	muscle	1.502306	.3258115	4.61	0.000	.8637276 2.140885
	_cons	.6370656	.0298783	21.32	0.000	.5785052 .6956261
Variance						
	e.Muskelp Probleme	.0994924	.0100153			.081678 .1211923
	e.GrippehnlicheSymptome	.1979527	.0178395			.1659017 .2361956
	e.Atemprobleme	.1142384	.0166715			.0858206 .1520662
	e.HerzKreislaufProbleme	.098883	.010493			.0803149 .1217439
	e.Temperregulierungsstrungen	.1087912	.0122062			.0873153 .1355493
	e.Sehstrungen	.1732112	.0183555			.1407254 .2131962
	muscle	.0256995	.0082738			.0136736 .048302

LR test of model vs. saturated: chi2(9) = 25.87, Prob > chi2 = 0.0021

```
. estat gof, stats(all)
```

Fit statistic	Value	Description
Likelihood ratio		
chi2_ms(9)	25.868	model vs. saturated
p > chi2	0.002	
chi2_bs(15)	185.671	baseline vs. saturated
p > chi2	0.000	
Population error		
RMSEA	0.085	Root mean squared error of approximation
90% CI, lower bound	0.048	
upper bound	0.124	
pclose	0.060	Probability RMSEA <= 0.05
Information criteria		
AIC	1536.862	Akaike's information criterion
BIC	1600.885	Bayesian information criterion
Baseline comparison		
CFI	0.901	Comparative fit index
TLI	0.835	Tucker-Lewis index
Size of residuals		
SRMR	0.048	Standardized root mean squared residual
CD	0.683	Coefficient of determination