

```
. logit Muskelprobleme Brainfog Kopfschmerzen Sehstrungen GrippehnlicheSymptome Infektanflligke
> KreislaufProbleme Atemprobleme Schlafstrungen berempfindlichkeiten Temperregulierungsstrungen Te
```

```
Iteration 0: log likelihood = -290.03638
Iteration 1: log likelihood = -242.49063
Iteration 2: log likelihood = -229.36331
Iteration 3: log likelihood = -228.85216
Iteration 4: log likelihood = -228.85109
Iteration 5: log likelihood = -228.85109
```

```
Logistic regression                                Number of obs   =          745
                                                    LR chi2(14)    =       122.37
                                                    Prob > chi2    =       0.0000
Log likelihood = -228.85109                        Pseudo R2      =       0.2110
```

Muskelprobleme	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
Brainfog	.3466527	.3607773	0.96	0.337	-.3604578	1.053763
Kopfschmerzen	-.2185352	.2748436	-0.80	0.427	-.7572187	.3201484
Sehstrungen	.4000397	.2805824	1.43	0.154	-.1498917	.9499711
GrippehnlicheSymptome	.6497807	.2782084	2.34	0.020	.1045022	1.195059
Infektanflligkeit	.2172189	.2789756	0.78	0.436	-.3295632	.764001
MagenDarmBeschwerden	.0655604	.3004549	0.22	0.827	-.5233203	.6544411
BeschwerdenHarnundGeschlecht	-.254043	.292217	-0.87	0.385	-.8267778	.3186919
Unvertrglichkeiten	-.1483044	.2954249	-0.50	0.616	-.7273265	.4307177
HerzKreislaufProbleme	.4401438	.2984347	1.47	0.140	-.1447775	1.025065
Atemprobleme	.9622768	.2841676	3.39	0.001	.4053186	1.519235
Schlafstrungen	.5088228	.3194177	1.59	0.111	-.1172244	1.13487
berempfindlichkeiten	.5401909	.312861	1.73	0.084	-.0730053	1.153387
Temperregulierungsstrungen	.6325891	.2922422	2.16	0.030	.0598049	1.205373
Temperaturunvertrglichkeit	.2662749	.2924129	0.91	0.362	-.3068439	.8393936
_cons	-1.114664	.3487588	-3.20	0.001	-1.798219	-.4311095

```
. logit Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperreguli
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```
Iteration 0: log likelihood = -290.03638
Iteration 1: log likelihood = -245.47811
Iteration 2: log likelihood = -234.45662
Iteration 3: log likelihood = -234.35045
Iteration 4: log likelihood = -234.35032
Iteration 5: log likelihood = -234.35032
```

```
Logistic regression               Number of obs   =          745
                                LR chi2(5)         =        111.37
                                Prob > chi2         =         0.0000
Log likelihood = -234.35032       Pseudo R2        =         0.1920
```

Muskelprobleme	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
GrippehnlicheSymptome	.8860546	.2499104	3.55	0.000	.3962393	1.37587
Atemprobleme	1.120731	.2708667	4.14	0.000	.5898421	1.65162
HerzKreislaufProbleme	.6539698	.2740641	2.39	0.017	.116814	1.191126
Temperregulierungsstrungen	.8217453	.2616556	3.14	0.002	.3089098	1.334581
Sehstrungen	.5163315	.2585885	2.00	0.046	.0095073	1.023156
_cons	-.6060092	.265082	-2.29	0.022	-1.12556	-.086458

```
. pwcorr Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulier
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.2103	1.0000				
Atemprobleme	0.2967	0.1102	1.0000			
HerzKreisl~e	0.2766	0.1809	0.3688	1.0000		
Temperregu~n	0.2740	0.1827	0.3019	0.3162	1.0000	
Sehstrungen	0.2163	0.1112	0.3611	0.2517	0.2218	1.0000

```
. tetrachoric Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperreg  
(obs=745)
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.3943	1.0000				
Atemprobleme	0.5387	0.1902	1.0000			
HerzKreisl~e	0.5008	0.3262	0.6056	1.0000		
Temperregu~n	0.4949	0.3236	0.4997	0.5326	1.0000	
Sehstrungen	0.4078	0.1908	0.5492	0.4352	0.3789	1.0000

```
. factor Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulier  
(obs=745)
```

```
Factor analysis/correlation      Number of obs   =      745
Method: principal factors      Retained factors =       2
Rotation: (unrotated)         Number of params =     11
```

Factor	Eigenvalue	Difference	Proportion	Cumulative
Factor1	1.45231	1.36631	1.3838	1.3838
Factor2	0.08600	0.15096	0.0819	1.4658
Factor3	-0.06495	0.04358	-0.0619	1.4039
Factor4	-0.10853	0.01165	-0.1034	1.3005
Factor5	-0.12018	0.07498	-0.1145	1.1860
Factor6	-0.19516	.	-0.1860	1.0000

```
LR test: independent vs. saturated:  chi2(15) = 521.78 Prob>chi2 = 0.0000
```

```
Factor loadings (pattern matrix) and unique variances
```

Variable	Factor1	Factor2	Uniqueness
Muskelprob~e	0.4899	0.0934	0.7513
Grippehnli~e	0.2984	0.1964	0.8724
Atemprobleme	0.5872	-0.1305	0.6382
HerzKreisl~e	0.5523	0.0058	0.6949
Temperregu~n	0.5054	0.0620	0.7407
Sehstrungen	0.4668	-0.1334	0.7643

. rotate, varimax

Factor analysis/correlation	Number of obs	=	745
Method: principal factors	Retained factors	=	2
Rotation: orthogonal varimax (Kaiser off)	Number of params	=	11

Factor	Variance	Difference	Proportion	Cumulative
Factor1	1.18481	0.83130	1.1289	1.1289
Factor2	0.35351	.	0.3368	1.4658

LR test: independent vs. saturated: $\chi^2(15) = 521.78$ Prob> $\chi^2 = 0.0000$

Rotated factor loadings (pattern matrix) and unique variances

Variable	Factor1	Factor2	Uniqueness
Muskelprob~e	0.3981	0.3005	0.7513
Grippehnli~e	0.1807	0.3082	0.8724
Atemprobleme	0.5843	0.1428	0.6382
HerzKreisl~e	0.4927	0.2496	0.6949
Temperregu~n	0.4258	0.2793	0.7407
Sehstrungen	0.4776	0.0869	0.7643

Factor rotation matrix

	Factor1	Factor2
Factor1	0.8968	0.4425
Factor2	-0.4425	0.8968

```

. sem (Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierungsstru
Endogenous variables

Measurement: Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierungsstru

Exogenous variables

Latent:      muscle

Fitting target model:

Iteration 0:  log likelihood = -2163.6893
Iteration 1:  log likelihood = -2163.2324
Iteration 2:  log likelihood = -2163.2277
Iteration 3:  log likelihood = -2163.2277

Structural equation model                      Number of obs      =      745
Estimation method = ml
Log likelihood      = -2163.2277

( 1)  [Muskelprobleme]muscle = 1

```

		OIM				
		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
Measurement						
Muskelprobleme <-	muscle	1 (constrained)				
	_cons	.8684564	.0123831	70.13	0.000	.8441859 .8927269
GrippehnlicheSymptome <-	muscle	.7253032	.1223512	5.93	0.000	.4854992 .9651072
	_cons	.7610738	.0156231	48.71	0.000	.7304531 .7916945
Atemprobleme <-	muscle	1.763786	.1890469	9.33	0.000	1.393261 2.134311
	_cons	.6657718	.0172825	38.52	0.000	.6318988 .6996449
HerzKreislaufProbleme <-	muscle	1.344145	.1458921	9.21	0.000	1.058202 1.630088
	_cons	.8161074	.0141931	57.50	0.000	.7882894 .8439254
Temperregulierungsstrungen <-	muscle	1.248618	.1406669	8.88	0.000	.9729158 1.52432
	_cons	.7946309	.0148004	53.69	0.000	.7656227 .823639
Sehstrungen <-	muscle	1.381548	.1669718	8.27	0.000	1.054289 1.708807
	_cons	.6348993	.0176393	35.99	0.000	.600327 .6694717
Variance						
e.Muskelprobleme		.0863016	.0052757			.0765568 .0972868
e.GrippehnlicheSymptome		.1671431	.0090422			.150328 .185839
e.Atemprobleme		.1356052	.0101336			.1171298 .1569948
e.HerzKreislaufProbleme		.0995992	.00676			.0871933 .1137702
e.Temperregulierungsstrungen		.1196355	.0074851			.1058289 .1352433
e.Sehstrungen		.1784769	.0107614			.1585836 .2008658
muscle		.0279383	.0047833			.0199741 .0390781

LR test of model vs. saturated: chi2(9) = 23.27, Prob > chi2 = 0.0056

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. estat gof, stats(all)
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Fit statistic	Value	Description
Likelihood ratio		
chi2_ms(9)	23.271	model vs. saturated
p > chi2	0.006	
chi2_bs(15)	523.771	baseline vs. saturated
p > chi2	0.000	
Population error		
RMSEA	0.046	Root mean squared error of approximation
90% CI, lower bound	0.023	
upper bound	0.070	
pclose	0.569	Probability RMSEA <= 0.05
Information criteria		
AIC	4362.455	Akaike's information criterion
BIC	4445.496	Bayesian information criterion
Baseline comparison		
CFI	0.972	Comparative fit index
TLI	0.953	Tucker-Lewis index
Size of residuals		
SRMR	0.026	Standardized root mean squared residual
CD	0.690	Coefficient of determination

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. bysort Geschlecht: logit Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Ten
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```
-> Geschlecht = 1
```

```
Iteration 0:  log likelihood = -231.01468
Iteration 1:  log likelihood = -197.28967
Iteration 2:  log likelihood = -188.02672
Iteration 3:  log likelihood = -187.94486
Iteration 4:  log likelihood = -187.94478
Iteration 5:  log likelihood = -187.94478
```

```
Logistic regression                Number of obs   =          608
                                   LR chi2(5)        =          86.14
                                   Prob > chi2       =          0.0000
Log likelihood = -187.94478        Pseudo R2      =          0.1864
```

Muskelprobleme	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
GrippehnlicheSymptome	.9666142	.2790932	3.46	0.001	.4196015	1.513627
Atemprobleme	.8503891	.296487	2.87	0.004	.2692854	1.431493
HerzKreislaufProbleme	.7831892	.3118814	2.51	0.012	.1719129	1.394466
Temperregulierungsstrungen	.7586823	.3046717	2.49	0.013	.1615368	1.355828
Sehstrungen	.7372693	.2912655	2.53	0.011	.1663994	1.308139
_cons	-.7324674	.3126935	-2.34	0.019	-1.345335	-.1195993

```
-> Geschlecht = 2
```

```
Iteration 0:  log likelihood = -58.685953
Iteration 1:  log likelihood = -44.434248
Iteration 2:  log likelihood = -40.925967
Iteration 3:  log likelihood = -40.674718
Iteration 4:  log likelihood = -40.671632
Iteration 5:  log likelihood = -40.671631
```

```
Logistic regression                Number of obs   =          137
                                   LR chi2(5)        =          36.03
                                   Prob > chi2       =          0.0000
Log likelihood = -40.671631        Pseudo R2      =          0.3070
```

Muskelprobleme	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
GrippehnlicheSymptome	.7160218	.612598	1.17	0.242	-.4846482	1.916692
Atemprobleme	3.489169	1.116362	3.13	0.002	1.301141	5.677198
HerzKreislaufProbleme	.0368854	.6294414	0.06	0.953	-1.196797	1.270568
Temperregulierungsstrungen	1.426352	.5976301	2.39	0.017	.2550186	2.597685
Sehstrungen	-.570678	.6144865	-0.93	0.353	-1.775049	.6336934
_cons	-.2093199	.5377385	-0.39	0.697	-1.263268	.8446281

```
.
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```
. bysort Geschlecht: pwcorr Muskelprobleme GrippehnlicheSymptome Atemprobleme
```

```
-> Geschlecht = 1
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.2126	1.0000				
Atemprobleme	0.2641	0.0940	1.0000			
HerzKreisl~e	0.2713	0.1347	0.3141	1.0000		
Temperregu~n	0.2681	0.1842	0.3167	0.3416	1.0000	
Sehstrungen	0.2340	0.1051	0.3531	0.2547	0.2096	1.0000

```
-> Geschlecht = 2
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.1975	1.0000				
Atemprobleme	0.4138	0.1554	1.0000			
HerzKreisl~e	0.2888	0.3335	0.5178	1.0000		
Temperregu~n	0.2884	0.1660	0.2024	0.2017	1.0000	
Sehstrungen	0.1408	0.1296	0.3821	0.2299	0.2522	1.0000

```
. factor Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Tem  
(obs=745)
```

```
Factor analysis/correlation          Number of obs   =      745
Method: principal factors            Retained factors =       2
Rotation: (unrotated)                Number of params =     11
```

Factor	Eigenvalue	Difference	Proportion	Cumulative
Factor1	1.45231	1.36631	1.3838	1.3838
Factor2	0.08600	0.15096	0.0819	1.4658
Factor3	-0.06495	0.04358	-0.0619	1.4039
Factor4	-0.10853	0.01165	-0.1034	1.3005
Factor5	-0.12018	0.07498	-0.1145	1.1860
Factor6	-0.19516	.	-0.1860	1.0000

```
LR test: independent vs. saturated:  chi2(15) =  521.78 Prob>chi2 = 0.0000
```

```
Factor loadings (pattern matrix) and unique variances
```

Variable	Factor1	Factor2	Uniqueness
Muskelprob~e	0.4899	0.0934	0.7513
Grippehnli~e	0.2984	0.1964	0.8724
Atemprobleme	0.5872	-0.1305	0.6382
HerzKreisl~e	0.5523	0.0058	0.6949
Temperregu~n	0.5054	0.0620	0.7407
Sehstrungen	0.4668	-0.1334	0.7643

. rotate, varimax

Factor analysis/correlation	Number of obs	=	745
Method: principal factors	Retained factors	=	2
Rotation: orthogonal varimax (Kaiser off)	Number of params	=	11

Factor	Variance	Difference	Proportion	Cumulative
Factor1	1.18481	0.83130	1.1289	1.1289
Factor2	0.35351	.	0.3368	1.4658

LR test: independent vs. saturated: $\chi^2(15) = 521.78$ Prob> $\chi^2 = 0.0000$

Rotated factor loadings (pattern matrix) and unique variances

Variable	Factor1	Factor2	Uniqueness
Muskelprob~e	0.3981	0.3005	0.7513
Grippehnl~e	0.1807	0.3082	0.8724
Atemprobleme	0.5843	0.1428	0.6382
HerzKreisl~e	0.4927	0.2496	0.6949
Temperregu~n	0.4258	0.2793	0.7407
Sehstrungen	0.4776	0.0869	0.7643

Factor rotation matrix

	Factor1	Factor2
Factor1	0.8968	0.4425
Factor2	-0.4425	0.8968

```

. sem (Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierungsstrun
Endogenous variables

Measurement: Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierungsst:

Exogenous variables

Latent:      muscle

Fitting target model:

Iteration 0:  log likelihood = -2163.6893
Iteration 1:  log likelihood = -2163.2324
Iteration 2:  log likelihood = -2163.2277
Iteration 3:  log likelihood = -2163.2277

Structural equation model              Number of obs      =          745
Estimation method  = ml
Log likelihood      = -2163.2277

( 1)  [Muskelprobleme]muscle = 1

```

		OIM				
		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
Measurement	Muskelprobleme <-					
	muscle	1 (constrained)				
	_cons	.8684564	.0123831	70.13	0.000	.8441859 .8927269
GrippehnlicheSymptome <-	muscle	.7253032	.1223512	5.93	0.000	.4854992 .9651072
	_cons	.7610738	.0156231	48.71	0.000	.7304531 .7916945
Atemprobleme <-	muscle	1.763786	.1890469	9.33	0.000	1.393261 2.134311
	_cons	.6657718	.0172825	38.52	0.000	.6318988 .6996449
HerzKreislaufProbleme <-	muscle	1.344145	.1458921	9.21	0.000	1.058202 1.630088
	_cons	.8161074	.0141931	57.50	0.000	.7882894 .8439254
Temperregulierungsstrungen <-	muscle	1.248618	.1406669	8.88	0.000	.9729158 1.52432
	_cons	.7946309	.0148004	53.69	0.000	.7656227 .823639
Sehstrungen <-	muscle	1.381548	.1669718	8.27	0.000	1.054289 1.708807
	_cons	.6348993	.0176393	35.99	0.000	.600327 .6694717
Variance						
	e.Muskelprobleme	.0863016	.0052757			.0765568 .0972868
	e.GrippehnlicheSymptome	.1671431	.0090422			.150328 .185839
	e.Atemprobleme	.1356052	.0101336			.1171298 .1569948
	e.HerzKreislaufProbleme	.0995992	.00676			.0871933 .1137702
	e.Temperregulierungsstrungen	.1196355	.0074851			.1058289 .1352433
	e.Sehstrungen	.1784769	.0107614			.1585836 .2008658
	muscle	.0279383	.0047833			.0199741 .0390781

```

LR test of model vs. saturated: chi2(9)      =      23.27, Prob > chi2 = 0.0056

```

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

Fit statistic	Value	Description
Likelihood ratio		
chi2_ms(9)	23.271	model vs. saturated
p > chi2	0.006	
chi2_bs(15)	523.771	baseline vs. saturated
p > chi2	0.000	
Population error		
RMSEA	0.046	Root mean squared error of approximation
90% CI, lower bound	0.023	
upper bound	0.070	
pclose	0.569	Probability RMSEA <= 0.05
Information criteria		
AIC	4362.455	Akaike's information criterion
BIC	4445.496	Bayesian information criterion
Baseline comparison		
CFI	0.972	Comparative fit index
TLI	0.953	Tucker-Lewis index
Size of residuals		
SRMR	0.026	Standardized root mean squared residual
CD	0.690	Coefficient of determination

```
. bysort Geschlecht: pwcorr Muskelprobleme GrippehnlicheSymptome Atemprob.
```

```
-> Geschlecht = 1
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.2126	1.0000				
Atemprobleme	0.2641	0.0940	1.0000			
HerzKreisl~e	0.2713	0.1347	0.3141	1.0000		
Temperregu~n	0.2681	0.1842	0.3167	0.3416	1.0000	
Sehstrungen	0.2340	0.1051	0.3531	0.2547	0.2096	1.0000

```
-> Geschlecht = 2
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.1975	1.0000				
Atemprobleme	0.4138	0.1554	1.0000			
HerzKreisl~e	0.2888	0.3335	0.5178	1.0000		
Temperregu~n	0.2884	0.1660	0.2024	0.2017	1.0000	
Sehstrungen	0.1408	0.1296	0.3821	0.2299	0.2522	1.0000

. bysort Geschlecht: logit Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Te

-> Geschlecht = 1

Iteration 0: log likelihood = -231.01468
 Iteration 1: log likelihood = -197.28967
 Iteration 2: log likelihood = -188.02672
 Iteration 3: log likelihood = -187.94486
 Iteration 4: log likelihood = -187.94478
 Iteration 5: log likelihood = -187.94478

Logistic regression	Number of obs	=	608
	LR chi2(5)	=	86.14
	Prob > chi2	=	0.0000
Log likelihood = -187.94478	Pseudo R2	=	0.1864

Muskelprobleme	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
GrippehnlicheSymptome	.9666142	.2790932	3.46	0.001	.4196015	1.513627
Atemprobleme	.8503891	.296487	2.87	0.004	.2692854	1.431493
HerzKreislaufProbleme	.7831892	.3118814	2.51	0.012	.1719129	1.394466
Temperregulierungsstrungen	.7586823	.3046717	2.49	0.013	.1615368	1.355828
Sehstrungen	.7372693	.2912655	2.53	0.011	.1663994	1.308139
_cons	-.7324674	.3126935	-2.34	0.019	-1.345335	-.1195993

-> Geschlecht = 2

Iteration 0: log likelihood = -58.685953
 Iteration 1: log likelihood = -44.434248
 Iteration 2: log likelihood = -40.925967
 Iteration 3: log likelihood = -40.674718
 Iteration 4: log likelihood = -40.671632
 Iteration 5: log likelihood = -40.671631

Logistic regression	Number of obs	=	137
	LR chi2(5)	=	36.03
	Prob > chi2	=	0.0000
Log likelihood = -40.671631	Pseudo R2	=	0.3070

Muskelprobleme	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
GrippehnlicheSymptome	.7160218	.612598	1.17	0.242	-.4846482	1.916692
Atemprobleme	3.489169	1.116362	3.13	0.002	1.301141	5.677198
HerzKreislaufProbleme	.0368854	.6294414	0.06	0.953	-1.196797	1.270568
Temperregulierungsstrungen	1.426352	.5976301	2.39	0.017	.2550186	2.597685
Sehstrungen	-.570678	.6144865	-0.93	0.353	-1.775049	.6336934
_cons	-.2093199	.5377385	-0.39	0.697	-1.263268	.8446281

```
. bysort Geschlecht: tetrachoric Muskelprobleme GrippehnlicheSymptome Atemprob:
```

```
-> Geschlecht = 1  
(obs=608)
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.4011	1.0000				
Atemprobleme	0.4857	0.1655	1.0000			
HerzKreisl~e	0.4989	0.2549	0.5356	1.0000		
Temperregu~n	0.4913	0.3327	0.5295	0.5761	1.0000	
Sehstrungen	0.4415	0.1819	0.5434	0.4494	0.3676	1.0000

```
-> Geschlecht = 2  
(obs=137)
```

```
matrix with tetrachoric correlations is not positive semidefinite;  
it has 1 negative eigenvalue  
maxdiff(corr,adj-corr) = 0.0003  
(adj-corr: tetrachoric correlations adjusted to be positive semidefinite)
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.3610	1.0000				
Atemprobleme	0.7923	0.2582	1.0000			
HerzKreisl~e	0.5029	0.5287	0.7898	1.0000		
Temperregu~n	0.5044	0.2785	0.3268	0.3342	1.0000	
Sehstrungen	0.2631	0.2158	0.5690	0.3745	0.4007	1.0000

```
. bysort Geschlecht: factor Muskelprobleme GrippehnlicheSymptome Atemprobleme Her
```

```
-> Geschlecht = 1  
(obs=608)
```

```
Factor analysis/correlation      Number of obs    =      608  
Method: principal factors        Retained factors =       2  
Rotation: (unrotated)           Number of params =     11
```

Factor	Eigenvalue	Difference	Proportion	Cumulative
Factor1	1.40592	1.31315	1.3861	1.3861
Factor2	0.09278	0.11627	0.0915	1.4776
Factor3	-0.02350	0.09845	-0.0232	1.4544
Factor4	-0.12195	0.02034	-0.1202	1.3342
Factor5	-0.14229	0.05440	-0.1403	1.1939
Factor6	-0.19668	.	-0.1939	1.0000

```
LR test: independent vs. saturated:  chi2(15) =  406.07 Prob>chi2 = 0.0000
```

```
Factor loadings (pattern matrix) and unique variances
```

Variable	Factor1	Factor2	Uniqueness
Muskelprob~e	0.4847	0.1016	0.7548
Grippehnli~e	0.2789	0.2081	0.8789
Atemprobleme	0.5549	-0.1352	0.6738
HerzKreisl~e	0.5331	-0.0049	0.7158
Temperregu~n	0.5282	0.0608	0.7173
Sehstrungen	0.4714	-0.1310	0.7606

-> Geschlecht = 2
(obs=137)

Factor analysis/correlation	Number of obs	=	137
Method: principal factors	Retained factors	=	4
Rotation: (unrotated)	Number of params	=	15

Factor	Eigenvalue	Difference	Proportion	Cumulative
Factor1	1.62435	1.49267	1.1271	1.1271
Factor2	0.13168	0.02544	0.0914	1.2184
Factor3	0.10624	0.06114	0.0737	1.2922
Factor4	0.04510	0.21279	0.0313	1.3235
Factor5	-0.16770	0.13077	-0.1164	1.2071
Factor6	-0.29847	.	-0.2071	1.0000

LR test: independent vs. saturated: $\chi^2(15) = 128.85$ Prob> $\chi^2 = 0.0000$

Factor loadings (pattern matrix) and unique variances

Variable	Factor1	Factor2	Factor3	Factor4	Uniqueness
Muskelprob~e	0.5148	0.0250	0.1097	-0.1431	0.7019
Grippehnl~e	0.3639	0.2359	0.0602	0.0812	0.8017
Atemprobleme	0.6944	-0.1120	-0.1416	-0.0505	0.4826
HerzKreisl~e	0.6301	0.1386	-0.1271	0.0291	0.5668
Temperregu~n	0.3955	-0.0492	0.2325	0.0223	0.7866
Sehstrungen	0.4373	-0.2031	0.0185	0.1189	0.7530

```
. rotate, varimax
```

```
Factor analysis/correlation      Number of obs    =      137
Method: principal factors        Retained factors =        4
Rotation: orthogonal varimax (Kaiser off)  Number of params =      15
```

Factor	Variance	Difference	Proportion	Cumulative
Factor1	1.30324	1.06542	0.9043	0.9043
Factor2	0.23781	0.01769	0.1650	1.0693
Factor3	0.22013	0.07393	0.1527	1.2220
Factor4	0.14620	.	0.1014	1.3235

```
LR test: independent vs. saturated:  chi2(15) = 128.85 Prob>chi2 = 0.0000
```

Rotated factor loadings (pattern matrix) and unique variances

Variable	Factor1	Factor2	Factor3	Factor4	Uniqueness
Muskelprob~e	0.4254	0.3212	0.1142	0.0302	0.7019
Grippehnli~e	0.2586	0.1197	0.3411	0.0266	0.8017
Atemprobleme	0.6970	0.1288	0.0439	0.1144	0.4826
HerzKreisl~e	0.5930	0.0792	0.2731	0.0268	0.5668
Temperregu~n	0.2558	0.2985	0.1191	0.2113	0.7866
Sehstrungen	0.3906	0.0911	0.0067	0.2934	0.7530

Factor rotation matrix

	Factor1	Factor2	Factor3	Factor4
Factor1	0.8882	0.3116	0.2681	0.2053
Factor2	-0.1225	-0.0026	0.8280	-0.5471
Factor3	-0.4248	0.8022	0.1876	0.3752
Factor4	-0.1251	-0.5093	0.4553	0.7195

```
. bysort Geschlecht: sem (Muskelp Probleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulieru
> le)
```

```
-> Geschlecht = 1
```

Endogenous variables

Measurement: Muskelp Probleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierungsstrungen {

Exogenous variables

Latent: muscle

Fitting target model:

```
Iteration 0: log likelihood = -1688.8676
Iteration 1: log likelihood = -1688.4584
Iteration 2: log likelihood = -1688.4508
Iteration 3: log likelihood = -1688.4508
```

```
Structural equation model          Number of obs      =          608
Estimation method = ml
Log likelihood      = -1688.4508
```

```
( 1) [Muskelp Probleme]muscle = 1
```

		OIM					
		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
Measurement							
Muskelprobleme <-							
	muscle	1	(constrained)				
	_cons	.8733553	.0134877	64.75	0.000	.8469199	.8997906
GrippehnlicheSymptome <-							
	muscle	.6927244	.1373099	5.04	0.000	.4236019	.9618468
	_cons	.7680921	.0171164	44.87	0.000	.7345446	.8016396
Atemprobleme <-							
	muscle	1.648488	.2064691	7.98	0.000	1.243816	2.05316
	_cons	.6957237	.0186595	37.29	0.000	.6591517	.7322957
HerzKreislaufProbleme <-							
	muscle	1.274247	.1587954	8.02	0.000	.9630139	1.58548
	_cons	.8355263	.0150341	55.58	0.000	.8060601	.8649925
Temperregulierungsstrungen <-							
	muscle	1.302866	.1634846	7.97	0.000	.9824419	1.62329
	_cons	.8174342	.0156669	52.18	0.000	.7867276	.8481409
Sehstrungen <-							
	muscle	1.415794	.1916126	7.39	0.000	1.04024	1.791348
	_cons	.6447368	.0194095	33.22	0.000	.6066949	.6827788
Variance							
	e.Muskelprobleme	.0840776	.0057198			.0735823	.09607
	e.GrippehnlicheSymptome	.1653966	.0098679			.1471439	.1859135
	e.Atemprobleme	.1396015	.0108604			.119859	.1625959
	e.HerzKreislaufProbleme	.0943481	.0069891			.0815977	.1090909
	e.Temperregulierungsstrungen	.104205	.0076273			.0902785	.1202797
	e.Sehstrungen	.1758762	.0119215			.1539961	.2008651
	muscle	.0265282	.0051431			.0181419	.0387911

```
LR test of model vs. saturated: chi2(9) = 23.26, Prob > chi2 = 0.0056
```

-> Geschlecht = 2

Endogenous variables

Measurement: Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierungsstrungen

Exogenous variables

Latent: muscle

Fitting target model:

Iteration 0: log likelihood = -452.04542
 Iteration 1: log likelihood = -450.0715
 Iteration 2: log likelihood = -449.97049
 Iteration 3: log likelihood = -449.96942
 Iteration 4: log likelihood = -449.96942

Structural equation model Number of obs = 137
 Estimation method = ml
 Log likelihood = -449.96942

(1) [Muskelprobleme]muscle = 1

		OIM				
		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
Measurement						
Muskelprobleme <-	muscle	1	(constrained)			
	_cons	.8467153	.0307792	27.51	0.000	.7863891 .9070415
GrippehnlicheSymptome <-	muscle	.7858254	.2732944	2.88	0.004	.2501781 1.321473
	_cons	.729927	.0379332	19.24	0.000	.6555792 .8042748
Atemprobleme <-	muscle	2.076319	.4303665	4.82	0.000	1.232816 2.919822
	_cons	.5328467	.0426256	12.50	0.000	.4493021 .6163914
HerzKreislaufProbleme <-	muscle	1.582545	.3493157	4.53	0.000	.8978988 2.267191
	_cons	.729927	.0379332	19.24	0.000	.6555792 .8042748
Temperregulierungsstrungen <-	muscle	.8730693	.2753737	3.17	0.002	.3333467 1.412792
	_cons	.6934307	.0393918	17.60	0.000	.6162242 .7706371
Sehstrungen <-	muscle	1.168826	.3244483	3.60	0.000	.5329188 1.804733
	_cons	.5912409	.0420006	14.08	0.000	.5089212 .6735606
Variance						
e.Muskelprobleme		.095949	.013255			.0731898 .1257855
e.GrippehnlicheSymptome		.176237	.0225533			.137141 .2264784
e.Atemprobleme		.1030359	.0257134			.0631778 .1680399
e.HerzKreislaufProbleme		.1123844	.0190588			.0806036 .156696
e.Temperregulierungsstrungen		.1867905	.0239008			.1453581 .2400326
e.Sehstrungen		.1954452	.0257665			.150941 .2530713
muscle		.0338394	.0123617			.0165377 .0692424

LR test of model vs. saturated: chi2(9) = 20.66, Prob > chi2 = 0.0143

.

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

Fit statistic	Value	Description
Likelihood ratio		
chi2_ms(9)	20.659	model vs. saturated
p > chi2	0.014	
chi2_bs(15)	131.570	baseline vs. saturated
p > chi2	0.000	
Population error		
RMSEA	0.097	Root mean squared error of approximation
90% CI, lower bound	0.041	
upper bound	0.153	
pclose	0.075	Probability RMSEA <= 0.05
Information criteria		
AIC	935.939	Akaike's information criterion
BIC	988.499	Bayesian information criterion
Baseline comparison		
CFI	0.900	Comparative fit index
TLI	0.833	Tucker-Lewis index
Size of residuals		
SRMR	0.051	Standardized root mean squared residual
CD	0.751	Coefficient of determination

```
. bysort menopausal: logit Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme
```

```
-> menopausal = 0
```

```
Iteration 0: log likelihood = -122.20378
Iteration 1: log likelihood = -104.11314
Iteration 2: log likelihood = -95.08306
Iteration 3: log likelihood = -94.878245
Iteration 4: log likelihood = -94.877698
Iteration 5: log likelihood = -94.877698
```

```
Logistic regression      Number of obs   =      349
                        LR chi2(5)         =      54.65
                        Prob > chi2        =      0.0000
Log likelihood = -94.877698  Pseudo R2         =      0.2236
```

Muskelprobleme	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
GrippehnlicheSymptome	.4312139	.4353398	0.99	0.322	-.4220365	1.284464
Atemprobleme	.4239301	.4181567	1.01	0.311	-.3956421	1.243502
HerzKreislaufProbleme	1.332554	.4228724	3.15	0.002	.5037394	2.161369
Temperregulierungsstrungen	.888486	.421159	2.11	0.035	.0630296	1.713942
Sehstrungen	1.191557	.418605	2.85	0.004	.3711061	2.012008
_cons	-.6345115	.4288983	-1.48	0.139	-1.475137	.2061137

```
-> menopausal = 1
```

```
Iteration 0: log likelihood = -107.99624
Iteration 1: log likelihood = -91.511033
Iteration 2: log likelihood = -88.732857
Iteration 3: log likelihood = -88.713272
Iteration 4: log likelihood = -88.713262
Iteration 5: log likelihood = -88.713262
```

```
Logistic regression      Number of obs   =      259
                        LR chi2(5)         =      38.57
                        Prob > chi2        =      0.0000
Log likelihood = -88.713262  Pseudo R2         =      0.1786
```

Muskelprobleme	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
GrippehnlicheSymptome	1.193598	.3905865	3.06	0.002	.4280625	1.959133
Atemprobleme	1.328465	.4442521	2.99	0.003	.4577469	2.199183
HerzKreislaufProbleme	.3229264	.4965076	0.65	0.515	-.6502106	1.296063
Temperregulierungsstrungen	.6043449	.4477447	1.35	0.177	-.2732186	1.481908
Sehstrungen	.3585183	.4428552	0.81	0.418	-.5094619	1.226499
_cons	-.6352788	.4757549	-1.34	0.182	-1.567741	.2971836

```
.
```

```
. bysort menopausal: pwcorr Muskelprobleme GrippehnlicheSymptome Atemprol
```

```
-> menopausal = 0
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.1807	1.0000				
Atemprobleme	0.2264	0.1000	1.0000			
HerzKreisl~e	0.3446	0.1917	0.3411	1.0000		
Temperregu~n	0.2872	0.1820	0.2943	0.3445	1.0000	
Sehstrungen	0.2740	0.1895	0.3251	0.2234	0.2252	1.0000

```
-> menopausal = 1
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.2360	1.0000				
Atemprobleme	0.3175	0.0992	1.0000			
HerzKreisl~e	0.1851	0.0766	0.2737	1.0000		
Temperregu~n	0.2455	0.1867	0.3491	0.3392	1.0000	
Sehstrungen	0.1863	0.0074	0.3936	0.2996	0.1889	1.0000

```
. bysort menopausal: tetrachoric Muskelprobleme GrippehnlicheSymptome Ater
```

```
-> menopausal = 0
(obs=349)
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.3617	1.0000				
Atemprobleme	0.4371	0.1823	1.0000			
HerzKreisl~e	0.6065	0.3557	0.5715	1.0000		
Temperregu~n	0.5285	0.3385	0.5002	0.5787	1.0000	
Sehstrungen	0.5258	0.3332	0.5036	0.3944	0.3948	1.0000

```
-> menopausal = 1
(obs=259)
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.4261	1.0000				
Atemprobleme	0.5501	0.1696	1.0000			
HerzKreisl~e	0.3607	0.1479	0.4801	1.0000		
Temperregu~n	0.4474	0.3290	0.5706	0.5755	1.0000	
Sehstrungen	0.3454	0.0125	0.6002	0.5291	0.3313	1.0000

```
. bysort menopausal: factor Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislau:
```

```
-> menopausal = 0
(obs=349)
```

```
Factor analysis/correlation          Number of obs   =      349
Method: principal factors            Retained factors =       3
Rotation: (unrotated)                Number of params =     15
```

Factor	Eigenvalue	Difference	Proportion	Cumulative
Factor1	1.46156	1.42234	1.3638	1.3638
Factor2	0.03922	0.02801	0.0366	1.4004
Factor3	0.01121	0.09021	0.0105	1.4109
Factor4	-0.07900	0.04990	-0.0737	1.3372
Factor5	-0.12890	0.10355	-0.1203	1.2169
Factor6	-0.23245	.	-0.2169	1.0000

```
LR test: independent vs. saturated:  chi2(15) = 246.95 Prob>chi2 = 0.0000
```

Factor loadings (pattern matrix) and unique variances

Variable	Factor1	Factor2	Factor3	Uniqueness
Muskelprob~e	0.5129	0.0623	-0.0045	0.7330
Grippehnli~e	0.3174	0.1267	0.0424	0.8814
Atemprobleme	0.5191	-0.1290	0.0025	0.7138
HerzKreisl~e	0.5734	0.0142	-0.0503	0.6684
Temperregu~n	0.5219	0.0168	-0.0365	0.7260
Sehstrungen	0.4764	-0.0463	0.0744	0.7653

```
-> menopausal = 1
(obs=259)
```

```
Factor analysis/correlation          Number of obs   =      259
Method: principal factors            Retained factors =       3
Rotation: (unrotated)                Number of params =     15
```

Factor	Eigenvalue	Difference	Proportion	Cumulative
Factor1	1.39001	1.17162	1.2528	1.2528
Factor2	0.21838	0.19041	0.1968	1.4496
Factor3	0.02798	0.13545	0.0252	1.4748
Factor4	-0.10748	0.06066	-0.0969	1.3779
Factor5	-0.16814	0.08306	-0.1515	1.2264
Factor6	-0.25120	.	-0.2264	1.0000

```
LR test: independent vs. saturated:  chi2(15) = 183.64 Prob>chi2 = 0.0000
```

Factor loadings (pattern matrix) and unique variances

Variable	Factor1	Factor2	Factor3	Uniqueness
Muskelprob~e	0.4562	0.1881	0.0716	0.7514
Grippehnli~e	0.2349	0.3183	0.0065	0.8435
Atemprobleme	0.6080	-0.0821	0.0610	0.6198
HerzKreisl~e	0.4917	-0.0916	-0.0968	0.7404
Temperregu~n	0.5320	0.0942	-0.0869	0.7006
Sehstrungen	0.4819	-0.2402	0.0467	0.7079

. rotate, varimax

Factor analysis/correlation	Number of obs	=	259
Method: principal factors	Retained factors	=	3
Rotation: orthogonal varimax (Kaiser off)	Number of params	=	15

Factor	Variance	Difference	Proportion	Cumulative
Factor1	1.11691	0.64868	1.0066	1.0066
Factor2	0.46823	0.41701	0.4220	1.4286
Factor3	0.05122	.	0.0462	1.4748

LR test: independent vs. saturated: $\chi^2(15) = 183.64$ Prob> $\chi^2 = 0.0000$

Rotated factor loadings (pattern matrix) and unique variances

Variable	Factor1	Factor2	Factor3	Uniqueness
Muskelprob~e	0.3169	0.3849	-0.0015	0.7514
Grippehnli~e	0.0557	0.3894	0.0418	0.8435
Atemprobleme	0.5771	0.2166	0.0134	0.6198
HerzKreisl~e	0.4659	0.1369	0.1540	0.7404
Temperregu~n	0.4140	0.3200	0.1599	0.7006
Sehstrungen	0.5402	0.0177	0.0024	0.7079

Factor rotation matrix

	Factor1	Factor2	Factor3
Factor1	0.8764	0.4639	0.1289
Factor2	-0.4736	0.8790	0.0563
Factor3	0.0872	0.1104	-0.9901

```
. bysort menopausal: sem (Muskelp Probleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temper
> le)
```

```
-> menopausal = 0
```

Endogenous variables

Measurement: Muskelp Probleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierungss

Exogenous variables

Latent: muscle

Fitting target model:

```
Iteration 0: log likelihood = -1157.0872
Iteration 1: log likelihood = -1156.9993
Iteration 2: log likelihood = -1156.9992
```

```
Structural equation model          Number of obs      =          421
Estimation method = ml
Log likelihood      = -1156.9992
```

```
( 1) [Muskelp Probleme]muscle = 1
```

		OIM				
		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
Measurement Muskelp Probleme <-	muscle	1 (constrained)				
	_cons	.8788599	.0159024	55.27	0.000	.8476917 .910028
GrippehnlicheSymptome <-	muscle	.7396285	.1474353	5.02	0.000	.4506606 1.028596
	_cons	.8028504	.0193898	41.41	0.000	.764847 .8408537
Atemprobleme <-	muscle	1.559805	.2160313	7.22	0.000	1.136391 1.983218
	_cons	.6627078	.0230421	28.76	0.000	.6175461 .7078696
HerzKreislaufProbleme <-	muscle	1.335195	.1740066	7.67	0.000	.9941481 1.676241
	_cons	.8218527	.0186486	44.07	0.000	.7853022 .8584032
Temperregulierungsstrungen <-	muscle	1.291221	.1755003	7.36	0.000	.9472465 1.635195
	_cons	.8004751	.0194774	41.10	0.000	.7623 .8386501
Sehstrungen <-	muscle	1.348246	.2019041	6.68	0.000	.9525214 1.743971
	_cons	.6294537	.0235376	26.74	0.000	.5833209 .6755865
Variance						
e.Muskelp Probleme		.076275	.0063606			.0647739 .0898183
e.GrippehnlicheSymptome		.1417661	.0103028			.1229452 .1634681
e.Atemprobleme		.1500736	.0132421			.1262399 .1784071
e.HerzKreislaufProbleme		.0925893	.0086005			.077178 .111078
e.Temperregulierungsstrungen		.10938	.0094328			.09237 .1295224
e.Sehstrungen		.1783628	.0142932			.1524379 .2086968
muscle		.0301901	.0062472			.0201246 .04529

```
LR test of model vs. saturated: chi2(9) = 16.29, Prob > chi2 = 0.0611
```

-> menopausal = 1

Endogenous variables

Measurement: Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierungsstrungen

Exogenous variables

Latent: muscle

Fitting target model:

Iteration 0: log likelihood = -992.36193
Iteration 1: log likelihood = -990.71846
Iteration 2: log likelihood = -990.52192
Iteration 3: log likelihood = -990.51865
Iteration 4: log likelihood = -990.51864

Structural equation model Number of obs = 324
Estimation method = ml
Log likelihood = -990.51864

(1) [Muskelprobleme]muscle = 1

		OIM				
		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
Measurement						
Muskelprobleme <-	muscle	1	(constrained)			
	_cons	.8549383	.0195646	43.70	0.000	.8165923 .8932842
GrippehnlicheSymptome <-	muscle	.6599387	.2049553	3.22	0.001	.2582337 1.061644
	_cons	.7067901	.0252908	27.95	0.000	.6572211 .7563591
Atemprobleme <-	muscle	2.112792	.357421	5.91	0.000	1.41226 2.813324
	_cons	.6697531	.0261279	25.63	0.000	.6185434 .7209628
HerzKreislaufProbleme <-	muscle	1.349281	.2469566	5.46	0.000	.865255 1.833307
	_cons	.808642	.0218539	37.00	0.000	.7658091 .8514748
Temperregulierungsstrungen <-	muscle	1.141848	.2242804	5.09	0.000	.702267 1.58143
	_cons	.787037	.0227445	34.60	0.000	.7424586 .8316155
Sehstrungen <-	muscle	1.481755	.2884027	5.14	0.000	.9164965 2.047014
	_cons	.6419753	.0266344	24.10	0.000	.5897728 .6941778
Variance						
e.Muskelprobleme		.0991259	.0088421			.083226 .1180632
e.GrippehnlicheSymptome		.1963965	.0158716			.1676273 .2301031
e.Atemprobleme		.1100643	.0163849			.0822112 .147354
e.HerzKreislaufProbleme		.1094209	.010766			.0902298 .1326939
e.Temperregulierungsstrungen		.1351538	.0120984			.1134051 .1610735
e.Sehstrungen		.175188	.0160589			.1463785 .2096675
muscle		.024893	.0071984			.0141232 .0438755

LR test of model vs. saturated: chi2(9) = 23.41, Prob > chi2 = 0.0053

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

Fit statistic	Value	Description
Likelihood ratio		
chi2_ms(9)	23.406	model vs. saturated
p > chi2	0.005	
chi2_bs(15)	224.446	baseline vs. saturated
p > chi2	0.000	
Population error		
RMSEA	0.070	Root mean squared error of approximation
90% CI, lower bound	0.036	
upper bound	0.106	
pclose	0.148	Probability RMSEA <= 0.05
Information criteria		
AIC	2017.037	Akaike's information criterion
BIC	2085.091	Bayesian information criterion
Baseline comparison		
CFI	0.931	Comparative fit index
TLI	0.885	Tucker-Lewis index
Size of residuals		
SRMR	0.043	Standardized root mean squared residual
CD	0.695	Coefficient of determination

```
. bysort dauer_kat: logit Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Te
```

```
-> dauer_kat = =2 J
```

```
Iteration 0:  log likelihood = -103.6563
Iteration 1:  log likelihood = -86.792888
Iteration 2:  log likelihood = -83.278067
Iteration 3:  log likelihood = -83.246779
Iteration 4:  log likelihood = -83.24675
Iteration 5:  log likelihood = -83.24675
```

```
Logistic regression                Number of obs   =      254
                                   LR chi2(5)       =      40.82
                                   Prob > chi2       =      0.0000
Log likelihood = -83.24675         Pseudo R2      =      0.1969
```

Muskelprobleme	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
GrippehnlicheSymptome	.9526988	.4166223	2.29	0.022	.1361341	1.769263
Atemprobleme	1.249096	.4415715	2.83	0.005	.3836321	2.114561
HerzKreislaufProbleme	.8223889	.4505083	1.83	0.068	-.0605912	1.705369
Temperregulierungsstrungen	.869514	.4337107	2.00	0.045	.0194566	1.719571
Sehstrungen	.2199167	.4318028	0.51	0.611	-.6264012	1.066235
_cons	-.8161659	.4549091	-1.79	0.073	-1.707771	.0754395

```
-> dauer_kat = 3-8 J
```

```
Iteration 0:  log likelihood = -63.297387
Iteration 1:  log likelihood = -50.631611
Iteration 2:  log likelihood = -47.028763
Iteration 3:  log likelihood = -46.935846
Iteration 4:  log likelihood = -46.935597
Iteration 5:  log likelihood = -46.935597
```

```
Logistic regression                Number of obs   =      168
                                   LR chi2(5)       =      32.72
                                   Prob > chi2       =      0.0000
Log likelihood = -46.935597         Pseudo R2      =      0.2585
```

Muskelprobleme	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
GrippehnlicheSymptome	1.270463	.5706111	2.23	0.026	.1520857	2.38884
Atemprobleme	1.965126	.685542	2.87	0.004	.6214886	3.308764
HerzKreislaufProbleme	.0236237	.6318036	0.04	0.970	-1.214689	1.261936
Temperregulierungsstrungen	1.242558	.5883861	2.11	0.035	.0893428	2.395774
Sehstrungen	.1067919	.5783761	0.18	0.854	-1.026804	1.240388
_cons	-.6025542	.5986722	-1.01	0.314	-1.77593	.5708218

```
-> dauer_kat = >8 J
```

```
Iteration 0:  log likelihood = -122.90745
Iteration 1:  log likelihood = -105.9453
Iteration 2:  log likelihood = -101.11531
Iteration 3:  log likelihood = -101.06916
Iteration 4:  log likelihood = -101.06911
Iteration 5:  log likelihood = -101.06911
```

```
Logistic regression                Number of obs   =      323
                                   LR chi2(5)       =      43.68
                                   Prob > chi2       =      0.0000
Log likelihood = -101.06911         Pseudo R2      =      0.1777
```

Muskelprobleme	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
GrippehnlicheSymptome	.6519749	.3958759	1.65	0.100	-.1239277	1.427877
Atemprobleme	.8003791	.422981	1.89	0.058	-.0286484	1.629407
HerzKreislaufProbleme	.7280249	.4273101	1.70	0.088	-.1094876	1.565537
Temperregulierungsstrungen	.6304761	.4200663	1.50	0.133	-.1928387	1.453791
Sehstrungen	.9013967	.403565	2.23	0.026	.1104238	1.69237
_cons	-.4230787	.4084053	-1.04	0.300	-1.223538	.3773811

```
.
```

```
. bysort dauer_kat: pcorr Muskelprobleme GrippehnlicheSymptome Atemproblem
```

```
-> dauer_kat = =2 J
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.1996	1.0000				
Atemprobleme	0.3014	0.0336	1.0000			
HerzKreisl~e	0.2940	0.1475	0.3215	1.0000		
Temperregu~n	0.2797	0.1411	0.2827	0.3322	1.0000	
Sehstrungen	0.1808	0.1265	0.3357	0.2079	0.2024	1.0000

```
-> dauer_kat = 3-8 J
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.2412	1.0000				
Atemprobleme	0.3392	0.0449	1.0000			
HerzKreisl~e	0.2378	0.0881	0.4556	1.0000		
Temperregu~n	0.3221	0.2010	0.2626	0.3987	1.0000	
Sehstrungen	0.1802	0.0319	0.3692	0.2207	0.2187	1.0000

```
-> dauer_kat = >8 J
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.2018	1.0000				
Atemprobleme	0.2755	0.2180	1.0000			
HerzKreisl~e	0.2820	0.2581	0.3617	1.0000		
Temperregu~n	0.2430	0.2111	0.3439	0.2545	1.0000	
Sehstrungen	0.2651	0.1347	0.3825	0.3048	0.2337	1.0000

```
. bysort dauer_kat: tetrachoric Muskelprobleme GrippehnlicheSymptome Atempr
```

```
-> dauer_kat = =2 J  
(obs=203)
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.4376	1.0000				
Atemprobleme	0.4286	0.0613	1.0000			
HerzKreisl~e	0.5572	0.2216	0.4856	1.0000		
Temperregu~n	0.5038	0.3187	0.3996	0.5679	1.0000	
Sehstrungen	0.3734	0.2706	0.4973	0.3420	0.2977	1.0000

```
-> dauer_kat = 3-8 J  
(obs=133)
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.3806	1.0000				
Atemprobleme	0.6112	0.0474	1.0000			
HerzKreisl~e	0.2945	0.0787	0.6425	1.0000		
Temperregu~n	0.5939	0.2586	0.5543	0.7288	1.0000	
Sehstrungen	0.3972	-0.0247	0.5582	0.3811	0.3726	1.0000

```
-> dauer_kat = >8 J  
(obs=272)
```

	Muskel~e	Gripp~me	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000					
Grippehnli~e	0.3841	1.0000				
Atemprobleme	0.4688	0.3120	1.0000			
HerzKreisl~e	0.5419	0.3524	0.5349	1.0000		
Temperregu~n	0.4235	0.3910	0.6096	0.4930	1.0000	
Sehstrungen	0.5131	0.2027	0.5729	0.5646	0.4134	1.0000

```
. bysort dauer_kat: factor Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreisl
```

```
-> dauer_kat = =2 J  
(obs=254)
```

```
Factor analysis/correlation          Number of obs   =    254  
Method: principal factors            Retained factors =     2  
Rotation: (unrotated)                Number of params =    11
```

Factor	Eigenvalue	Difference	Proportion	Cumulative
Factor1	1.35689	1.24642	1.3615	1.3615
Factor2	0.11046	0.11395	0.1108	1.4723
Factor3	-0.00349	0.08516	-0.0035	1.4688
Factor4	-0.08865	0.05431	-0.0889	1.3799
Factor5	-0.14296	0.09266	-0.1434	1.2364
Factor6	-0.23562	.	-0.2364	1.0000

LR test: independent vs. saturated: $\chi^2(15) = 162.75$ Prob> $\chi^2 = 0.0000$

Factor loadings (pattern matrix) and unique variances

Variable	Factor1	Factor2	Uniqueness
Muskelprob~e	0.5055	0.1008	0.7343
Grippehnli~e	0.2516	0.2279	0.8848
Atemprobleme	0.5527	-0.1767	0.6633
HerzKreisl~e	0.5377	0.0315	0.7099
Temperregu~n	0.5080	0.0461	0.7398
Sehstrungen	0.4306	-0.1185	0.8006

```
-> dauer_kat = 3-8 J  
(obs=168)
```

```
Factor analysis/correlation          Number of obs   =    168  
Method: principal factors            Retained factors =     3  
Rotation: (unrotated)                Number of params =    15
```

Factor	Eigenvalue	Difference	Proportion	Cumulative
Factor1	1.52497	1.27878	1.1754	1.1754
Factor2	0.24618	0.21628	0.1897	1.3651
Factor3	0.02990	0.10185	0.0230	1.3881
Factor4	-0.07194	0.08211	-0.0555	1.3327
Factor5	-0.15406	0.12354	-0.1187	1.2140
Factor6	-0.27760	.	-0.2140	1.0000

LR test: independent vs. saturated: $\chi^2(15) = 141.32$ Prob> $\chi^2 = 0.0000$

Factor loadings (pattern matrix) and unique variances

Variable	Factor1	Factor2	Factor3	Uniqueness
Muskelprob~e	0.5011	0.1905	0.0729	0.7073
Grippehnli~e	0.2246	0.3271	0.0287	0.8418
Atemprobleme	0.6265	-0.2044	0.0407	0.5640
HerzKreisl~e	0.5960	-0.0859	-0.1064	0.6261
Temperregu~n	0.5450	0.1536	-0.0693	0.6746
Sehstrungen	0.4226	-0.1736	0.0774	0.7853

```
-> dauer_kat = >8 J
(obs=323)
```

```
Factor analysis/correlation          Number of obs   =      323
Method: principal factors            Retained factors =        2
Rotation: (unrotated)                Number of params =      11
```

Factor	Eigenvalue	Difference	Proportion	Cumulative
Factor1	1.54271	1.50522	1.3740	1.3740
Factor2	0.03749	0.08193	0.0334	1.4074
Factor3	-0.04445	0.03201	-0.0396	1.3678
Factor4	-0.07646	0.07580	-0.0681	1.2997
Factor5	-0.15226	0.03198	-0.1356	1.1641
Factor6	-0.18425	.	-0.1641	1.0000

```
LR test: independent vs. saturated:  chi2(15) = 245.21 Prob>chi2 = 0.0000
```

```
Factor loadings (pattern matrix) and unique variances
```

Variable	Factor1	Factor2	Uniqueness
Muskelprob~e	0.4718	0.0236	0.7769
Grippehnli~e	0.3779	0.1395	0.8377
Atemprobleme	0.6107	-0.0563	0.6239
HerzKreisl~e	0.5522	0.0267	0.6943
Temperregu~n	0.4842	0.0287	0.7647
Sehstrungen	0.5147	-0.1130	0.7223

.

. rotate, varimax

Factor analysis/correlation	Number of obs	=	323
Method: principal factors	Retained factors	=	2
Rotation: orthogonal varimax (Kaiser off)	Number of params	=	11

Factor	Variance	Difference	Proportion	Cumulative
Factor1	1.33980	1.09940	1.1933	1.1933
Factor2	0.24040	.	0.2141	1.4074

LR test: independent vs. saturated: $\chi^2(15) = 245.21$ Prob> $\chi^2 = 0.0000$

Rotated factor loadings (pattern matrix) and unique variances

Variable	Factor1	Factor2	Uniqueness
Muskelprob~e	0.4301	0.1952	0.7769
Grippehnli~e	0.3003	0.2685	0.8377
Atemprobleme	0.5887	0.1718	0.6239
HerzKreisl~e	0.5039	0.2276	0.6943
Temperregu~n	0.4398	0.2045	0.7647
Sehstrungen	0.5203	0.0839	0.7223

Factor rotation matrix

	Factor1	Factor2
Factor1	0.9302	0.3672
Factor2	-0.3672	0.9302

```
. bysort dauer_kat: sem (Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierungsstrungen Sehstrungen)
> le)
```

```
-> dauer_kat = =2 J
```

Endogenous variables

Measurement: Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierungsstrungen Sehstrungen

Exogenous variables

Latent: muscle

Fitting target model:

```
Iteration 0: log likelihood = -772.52316
Iteration 1: log likelihood = -771.93785
Iteration 2: log likelihood = -771.93109
Iteration 3: log likelihood = -771.93109
```

```
Structural equation model          Number of obs      =      254
Estimation method = ml
Log likelihood      = -771.93109
```

```
( 1) [Muskelprobleme]muscle = 1
```

		OIM				
		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
Measurement Muskelprobleme <-	muscle	1 (constrained)				
	_cons	.8582677	.0218841	39.22	0.000	.8153756 .9011598
GrippehnlicheSymptome <-	muscle	.5877616	.200064	2.94	0.003	.1956433 .9798799
	_cons	.7204724	.0281582	25.59	0.000	.6652835 .7756614
Atemprobleme <-	muscle	1.455712	.275164	5.29	0.000	.9164001 1.995023
	_cons	.7007874	.028732	24.39	0.000	.6444737 .7571011
HerzKreislaufProbleme <-	muscle	1.227933	.2299091	5.34	0.000	.777319 1.678546
	_cons	.8110236	.0245643	33.02	0.000	.7628786 .8591687
Temperregulierungsstrungen <-	muscle	1.203497	.2317832	5.19	0.000	.7492099 1.657783
	_cons	.7834646	.0258439	30.32	0.000	.7328115 .8341176
Sehstrungen <-	muscle	1.162618	.2614399	4.45	0.000	.6502054 1.675031
	_cons	.6062992	.0306556	19.78	0.000	.5462153 .6663831
Variance						
	e.Muskelprobleme	.0887907	.009741			.0716117 .1100907
	e.GrippehnlicheSymptome	.1900422	.0174195			.1587918 .2274427
	e.Atemprobleme	.1400645	.0169894			.1104282 .1776545
	e.HerzKreislaufProbleme	.1037271	.0122153			.0823476 .1306571
	e.Temperregulierungsstrungen	.1220626	.013558			.0981829 .1517501
	e.Sehstrungen	.1942929	.0196397			.1593731 .2368639
	muscle	.0328536	.0093406			.0188181 .0573573

```
LR test of model vs. saturated: chi2(9) = 13.31, Prob > chi2 = 0.1490
```

-> dauer_kat = 3-8 J

Endogenous variables

Measurement: Muskelprobleme GrippehnlicheSymptome Atemprobleme HerzKreislaufProbleme Temperregulierung

Exogenous variables

Latent: muscle

Fitting target model:

Iteration 0: log likelihood = -494.13331
Iteration 1: log likelihood = -492.22344
Iteration 2: log likelihood = -492.00505
Iteration 3: log likelihood = -492.00173
Iteration 4: log likelihood = -492.00172

Structural equation model Number of obs = 168
Estimation method = ml
Log likelihood = -492.00172

(1) [Muskelprobleme]muscle = 1

		OIM				
		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
Measurement						
Muskelprobleme <-	muscle	1 (constrained)				
	_cons	.875	.0255155	34.29	0.000	.8249905 .9250095
GrippehnlicheSymptome <-	muscle	.4953597	.2418751	2.05	0.041	.0212932 .9694262
	_cons	.7857143	.0316573	24.82	0.000	.7236671 .8477615
Atemprobleme <-	muscle	1.996996	.4366601	4.57	0.000	1.141158 2.852834
	_cons	.625	.0373509	16.73	0.000	.5517936 .6982064
HerzKreislaufProbleme <-	muscle	1.530816	.3489768	4.39	0.000	.8468337 2.214797
	_cons	.8154762	.029928	27.25	0.000	.7568185 .8741339
Temperregulierungsstrungen <-	muscle	1.442035	.3317243	4.35	0.000	.7918674 2.092203
	_cons	.75	.0334076	22.45	0.000	.6845222 .8154778
Sehstrungen <-	muscle	1.30535	.3508499	3.72	0.000	.6176965 1.993003
	_cons	.6130952	.0375761	16.32	0.000	.5394475 .686743
Variance						
	e.Muskelprobleme	.0833933	.0106153			.0649801 .1070243
	e.GrippehnlicheSymptome	.161992	.0180173			.1302627 .2014498
	e.Atemprobleme	.1307606	.0227228			.0930165 .1838205
	e.HerzKreislaufProbleme	.0895896	.0139107			.066083 .1214578
	e.Temperregulierungsstrungen	.1334722	.0183632			.1019253 .1747832
	e.Sehstrungen	.1929384	.0234463			.1520474 .2448266
	muscle	.0259816	.0094613			.0127261 .0530438

LR test of model vs. saturated: chi2(9) = 23.13, Prob > chi2 = 0.0059

LR test of model vs. saturated: $\chi^2(9) = 7.78$, Prob > $\chi^2 = 0.5568$

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

Fit statistic	Value	Description
Likelihood ratio		
chi2_ms(9)	7.777	model vs. saturated
p > chi2	0.557	
chi2_bs(15)	247.375	baseline vs. saturated
p > chi2	0.000	
Population error		
RMSEA	0.000	Root mean squared error of approximation
90% CI, lower bound	0.000	
upper bound	0.056	
pclose	0.916	Probability RMSEA <= 0.05
Information criteria		
AIC	1800.835	Akaike's information criterion
BIC	1868.832	Bayesian information criterion
Baseline comparison		
CFI	1.000	Comparative fit index
TLI	1.009	Tucker-Lewis index
Size of residuals		
SRMR	0.022	Standardized root mean squared residual
CD	0.705	Coefficient of determination

```
. tetrachoric Muskelprobleme MagenDarmBeschwerden
```

```

Number of obs =      745
Tetrachoric rho =      0.3917
Std error =      0.0661

```

```

Test of Ho: Muskelprobleme and MagenDarmBeschwerden are independent
2-sided exact P =      0.0000

```

```
. logit Muskelprobleme GrippehnlicheSymptome MagenDarmBeschwerden Atemprobleme HerzKreislaufProb
```

```

Iteration 0:  log likelihood = -290.03638
Iteration 1:  log likelihood = -245.31397
Iteration 2:  log likelihood = -234.19867
Iteration 3:  log likelihood = -234.09052
Iteration 4:  log likelihood = -234.0904
Iteration 5:  log likelihood = -234.0904

```

```

Logistic regression                                Number of obs   =      745
                                                    LR chi2(6)       =     111.89
                                                    Prob > chi2      =      0.0000
Log likelihood = -234.0904                        Pseudo R2       =      0.1929

```

Muskelprobleme	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
GrippehnlicheSymptome	.8595748	.2526976	3.40	0.001	.3642967	1.354853
MagenDarmBeschwerden	.19567	.2702333	0.72	0.469	-.3339776	.7253176
Atemprobleme	1.095088	.2731731	4.01	0.000	.5596781	1.630497
HerzKreislaufProbleme	.6339456	.2753535	2.30	0.021	.0942627	1.173629
Temperregulierungsstrungen	.7775468	.2691299	2.89	0.004	.2500619	1.305032
Sehstrungen	.480488	.2635875	1.82	0.068	-.0361341	.99711
_cons	-.6322744	.2680381	-2.36	0.018	-1.157619	-.1069295

```
. pwcorr Muskelprobleme GrippehnlicheSymptome MagenDarmBeschwerden Atemprobleme HerzKreislaufProb
```

	Muskel~e	Gripp~me	MagenD~n	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000						
Grippehnli~e	0.2103	1.0000					
MagenDarmB~n	0.2095	0.2031	1.0000				
Atemprobleme	0.2967	0.1102	0.2961	1.0000			
HerzKreisl~e	0.2766	0.1809	0.2776	0.3688	1.0000		
Temperregu~n	0.2740	0.1827	0.2973	0.3019	0.3162	1.0000	
Sehstrungen	0.2163	0.1112	0.3158	0.3611	0.2517	0.2218	1.0000

```
. factor Muskelprobleme GrippehnlicheSymptome MagenDarmBeschwerden Atemprobleme Herz
(obs=745)
```

```
Factor analysis/correlation      Number of obs    =      745
Method: principal factors        Retained factors =        3
Rotation: (unrotated)           Number of params =      18
```

Factor	Eigenvalue	Difference	Proportion	Cumulative
Factor1	1.74427	1.64231	1.3065	1.3065
Factor2	0.10195	0.09303	0.0764	1.3829
Factor3	0.00892	0.06578	0.0067	1.3895
Factor4	-0.05686	0.04714	-0.0426	1.3470
Factor5	-0.10399	0.07274	-0.0779	1.2691
Factor6	-0.17673	0.00577	-0.1324	1.1367
Factor7	-0.18250	.	-0.1367	1.0000

```
LR test: independent vs. saturated:  chi2(21) = 688.65 Prob>chi2 = 0.0000
```

```
Factor loadings (pattern matrix) and unique variances
```

Variable	Factor1	Factor2	Factor3	Uniqueness
Muskelprob~e	0.4747	0.1004	-0.0349	0.7633
Grippehnli~e	0.3123	0.2096	0.0298	0.8577
MagenDarmB~n	0.5172	-0.0087	0.0612	0.7287
Atemprobleme	0.5846	-0.1334	-0.0291	0.6396
HerzKreisl~e	0.5489	0.0145	-0.0339	0.6973
Temperregu~n	0.5174	0.0741	-0.0086	0.7267
Sehstrungen	0.4930	-0.1561	0.0318	0.7315

Factor analysis/correlation	Number of obs	=	745
Method: principal factors	Retained factors	=	3
Rotation: orthogonal varimax (Kaiser off)	Number of params	=	18

LR test: independent vs. saturated: $\chi^2(21) = 688.65$ Prob> $\chi^2 = 0.0000$

Variable	Factor1	Factor2	Factor3	Uniqueness
Muskelprob~e	0.3679	0.3180	-0.0141	0.7633
Grippehnli~e	0.1711	0.3331	0.0453	0.8577
MagenDarmB~n	0.4550	0.2399	0.0821	0.7287
Atemprobleme	0.5768	0.1661	-0.0070	0.6396
HerzKreisl~e	0.4743	0.2784	-0.0112	0.6973
Temperregu~n	0.4172	0.3147	0.0136	0.7267
Sehstrungen	0.5059	0.1001	0.0498	0.7315

	Factor1	Factor2	Factor3
Factor1	0.8751	0.4822	0.0409
Factor2	-0.4831	0.8755	0.0134
Factor3	-0.0293	-0.0315	0.9991

	Muskel~e	Gripp~me	MagenD~n	Atempr~e	HerzKr~e	Temper~n	Sehstr~n
Muskelprob~e	1.0000						
Grippehnli~e	0.3943	1.0000					
MagenDarmB~n	0.3917	0.3427	1.0000				
Atemprobleme	0.5387	0.1902	0.4674	1.0000			
HerzKreisl~e	0.5008	0.3262	0.4717	0.6056	1.0000		
Temperregu~n	0.4949	0.3236	0.4922	0.4997	0.5326	1.0000	
Sehstrungen	0.4078	0.1908	0.4941	0.5492	0.4352	0.3789	1.0000

```
. sem (Muskelp Probleme GrippehnlicheSymptome MagenDarmBeschwerden Atemprobleme HerzKreislaufProbleme Ter
> cles)
```

Endogenous variables

Measurement: Muskelp Probleme GrippehnlicheSymptome MagenDarmBeschwerden Atemprobleme HerzKreislaufProb:

Exogenous variables

Latent: muscles

Fitting target model:

```
Iteration 0: log likelihood = -2559.2357
Iteration 1: log likelihood = -2558.524
Iteration 2: log likelihood = -2558.5137
Iteration 3: log likelihood = -2558.5137
```

```
Structural equation model          Number of obs    =          745
Estimation method = ml
Log likelihood      = -2558.5137
```

(1) [Muskelp Probleme]muscles = 1

		OIM				
		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
Measurement Muskelp Probleme <-						
	muscles	1 (constrained)				
	_cons	.8684564	.0123831	70.13	0.000	.8441859 .8927269
GrippehnlicheSymptome <-						
	muscles	.794638	.1262927	6.29	0.000	.5471088 1.042167
	_cons	.7610738	.0156231	48.71	0.000	.7304531 .7916945
MagenDarmBeschwerden <-						
	muscles	1.477645	.1674358	8.83	0.000	1.149477 1.805813
	_cons	.704698	.0167131	42.16	0.000	.6719409 .737455
Atemprobleme <-						
	muscles	1.783214	.1848704	9.65	0.000	1.420874 2.145553
	_cons	.6657718	.0172825	38.52	0.000	.6318988 .6996449
HerzKreislaufProbleme <-						
	muscles	1.363959	.1450495	9.40	0.000	1.079667 1.64825
	_cons	.8161074	.0141931	57.50	0.000	.7882894 .8439254
Temperregulierungsstrungen <-						
	muscles	1.319325	.1447272	9.12	0.000	1.035665 1.602986
	_cons	.7946309	.0148004	53.69	0.000	.7656227 .823639
Sehstrungen <-						
	muscles	1.499513	.172979	8.67	0.000	1.16048 1.838546
	_cons	.6348993	.0176393	35.99	0.000	.600327 .6694717
Variance						
	e.Muskelp Probleme	.0881172	.0051784			.0785303 .0988743
	e.GrippehnlicheSymptome	.1653453	.0089307			.148736 .1838092
	e.MagenDarmBeschwerden	.1510614	.0092416			.133992 .1703054
	e.Atemprobleme	.1394532	.0095246			.1219809 .1594284
	e.HerzKreislaufProbleme	.1014778	.006497			.0895105 .115045
	e.Temperregulierungsstrungen	.1177229	.0072209			.1043877 .1327615
	e.Sehstrungen	.1730641	.0104007			.1538339 .1946983
	muscles	.0261227	.0044902			.0186512 .0365874

LR test of model vs. saturated: chi2(14) = 36.90, Prob > chi2 = 0.0008

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

Fit statistic	Value	Description
Likelihood ratio		
chi2_ms(14)	36.898	model vs. saturated
p > chi2	0.001	
chi2_bs(21)	691.587	baseline vs. saturated
p > chi2	0.000	
Population error		
RMSEA	0.047	Root mean squared error of approximation
90% CI, lower bound	0.029	
upper bound	0.066	
pclose	0.579	Probability RMSEA <= 0.05
Information criteria		
AIC	5159.027	Akaike's information criterion
BIC	5255.908	Bayesian information criterion
Baseline comparison		
CFI	0.966	Comparative fit index
TLI	0.949	Tucker-Lewis index
Size of residuals		
SRMR	0.028	Standardized root mean squared residual
CD	0.720	Coefficient of determination