```
1 . sem (cumdose1 -> cumdose2) (cumdose2 -> cumdose3) (whpsleep -> whpel) (whpsl
  > eep -> whppa) (goferw1 -> cumdose1) (goferw1 -> goferw2) (goferw1 -> aborw3)
  >  (goferw1 -> crhrw2) (goferw2 -> cumdose3) (goferw2 -> aborw2) (fdferw1 -> g
  > oferw1) (fdferw1 -> goferw2) (aborw1 -> crhrw3) (aborw2 -> whpsleep) (aborw3
  >  -> whppa) (crhrw1 -> aborw1) (crhrw1 -> crhrw2) (crhrw1 -> crhrw3) (crhrw2
  > -> crhrw3) (crhrw3 - whpsleep) (crhrw3 -> whpel) (crhrw3 -> whppa) (whpel ->
  >  whppa) (icdxcnt -> whpsleep) (icdxcnt -> aborw1) (icdxcnt -> aborw2) (icdxc
  > n
  invalid something: unmatched open parenthesis or bracket

  r(198);
2 .
3 . sem (cumdose1 -> cumdose2) (cumdose2 -> cumdose3) (whpsleep -> whpel) (whpsl
  > eep -> whppa) (goferw1 -> cumdose1) (goferw1 -> goferw2) (goferw1 -> aborw3)
  >  (goferw1 -> crhrw2) (goferw2 -> cumdose3) (goferw2 -> aborw2) (fdferw1 -> g
  > oferw1) (fdferw1 -> goferw2) (aborw1 -> crhrw3) (aborw2 -> whpsleep) (aborw3
  >  -> whppa) (crhrw1 -> aborw1) (crhrw1 -> crhrw2) (crhrw1 -> crhrw3) (crhrw2
  > -> crhrw3) (crhrw3 -> whpsleep) (crhrw3 -> whpel) (crhrw3 -> whppa) (whpel -
  > > whppa) (icdxcnt -> whpsleep) (icdxcnt -> aborw1) (icdxcnt -> aborw2) (icdx
  > cnt -> crhrw2) if gender==2, cov( e.cumdose2*e.cumdose3 e.goferw2*e.crhrw2 e
  > .aborw2*e.aborw3 e.aborw3*e.crhrw3) nocapslatent
  (2 observations with missing values excluded;
   specify option 'method(mlmv)' to use all observations)

  Endogenous variables

  Observed:  cumdose1 cumdose2 cumdose3 whpsleep whpel whppa goferw1 goferw2
             aborw3 crhrw2 aborw2 aborw1 crhrw3

  Exogenous variables

  Observed:  fdferw1 crhrw1 icdxcnt

  Fitting target model:

  Iteration 0:   log likelihood =  -13748.18  (not concave)
  Iteration 1:   log likelihood = -13540.825
  Iteration 2:   log likelihood = -13473.859
  Iteration 3:   log likelihood = -13440.135
  Iteration 4:   log likelihood = -13436.996
  Iteration 5:   log likelihood = -13436.967
  Iteration 6:   log likelihood = -13436.967

  Structural equation model                       Number of obs      =       361
  Estimation method  = ml
  Log likelihood     = -13436.967
```

```
------------------------------------------------------------------------------
> ──
             |                 OIM
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interva
> l]
-------------+----------------------------------------------------------------
> ──
Structural   |
  cumdose1 <-|
       goferw1 |   .0032023   .0007829     4.09   0.000     .0016679    .00473
> 66
         _cons |   .2413505   .0366004     6.59   0.000      .169615     .3130
> 86
-------------+----------------------------------------------------------------
> ──
  cumdose2 <-|
      cumdose1 |    2.18886   .0650405    33.65   0.000     2.061383    2.3163
> 37
         _cons |   .1616705   .0419252     3.86   0.000     .0794987    .24384
> 24
-------------+----------------------------------------------------------------
> ──
  cumdose3 <-|
      cumdose2 |   1.228932   .0129503    94.90   0.000      1.20355    1.2543
> 14
       goferw2 |   .0024603   .0008766     2.81   0.005     .0007421    .00417
> 85
         _cons |   .0812865   .0204274     3.98   0.000     .0412495    .12132
> 35
-------------+----------------------------------------------------------------
> ──
  whpsleep <-|
        aborw2 |  -4.233705   2.130612    -1.99   0.047    -8.409629   -.05778
> 17
        crhrw3 |   8.759233   1.727193     5.07   0.000     5.373996    12.144
> 47
       icdxcnt |   2.523497   .6661465     3.79   0.000     1.217874     3.829
> 12
         _cons |   18.19965   2.631538     6.92   0.000     13.04193    23.357
> 37
-------------+----------------------------------------------------------------
> ──
  whpel <-   |
      whpsleep |   .5418411   .0516632    10.49   0.000     .4405831    .64309
> 91
        crhrw3 |   4.486308   1.789785     2.51   0.012     .9783935    7.9942
> 22
         _cons |   16.95847   2.018407     8.40   0.000     13.00247    20.914
> 48
```

```
-------------+----------------------------------------------------------------
> ——
  whppa <-   |
      whpsleep |   .2177445   .0336108     6.48   0.000      .1518686     .28362
> 04
         whpel |   .2186883   .0298938     7.32   0.000      .1600975      .2772
> 79
        aborw3 |  -4.971303   2.087643    -2.38   0.017     -9.063008    -.87959
> 92
        crhrw3 |   2.707541    1.02623     2.64   0.008      .6961675     4.7189
> 15
         _cons |   5.980459   1.288088     4.64   0.000      3.455854     8.5050
> 64
-------------+----------------------------------------------------------------
> ——
  goferw1 <- |
       fdferw1 |   .6985567   .0343253    20.35   0.000      .6312805      .7658
> 33
         _cons |   3.436444   1.828957     1.88   0.060     -.1482459     7.0211
> 33
-------------+----------------------------------------------------------------
> ——
  goferw2 <- |
       goferw1 |   .1467846    .033438     4.39   0.000      .0812473     .21232
> 18
       fdferw1 |   .0702821   .0318374     2.21   0.027       .007882     .13268
> 22
         _cons |   1.116902   1.171066     0.95   0.340     -1.178346      3.412
> 15
-------------+----------------------------------------------------------------
> ——
  aborw3 <-  |
       goferw1 |  -.0016422   .0006038    -2.72   0.007     -.0028256    -.00045
> 87
         _cons |   .1733552   .0282858     6.13   0.000       .117916     .22879
> 43
-------------+----------------------------------------------------------------
> ——
  crhrw2 <-  |
       goferw1 |   .0046191   .0008892     5.19   0.000      .0028764     .00636
> 19
        crhrw1 |   .6194044   .0339626    18.24   0.000       .552839     .68596
> 98
       icdxcnt |   .0477625   .0137328     3.48   0.001      .0208466     .07467
> 83
         _cons |  -.1983836    .059535    -3.33   0.001     -.3150701    -.08169
> 72
-------------+----------------------------------------------------------------
> ——
```

```
  aborw2 <-    |
       goferw2 |  -.0043521   .0021684    -2.01   0.045    -.0086019   -.00010
> 22
       icdxcnt |   .0433149   .0162928     2.66   0.008     .0113816    .07524
> 83
         _cons |   .2192323   .0649627     3.37   0.001     .0919077    .34655
> 68
---------------+-----------------------------------------------------------
> --
  aborw1 <-    |
        crhrw1 |   .1926739    .049221     3.91   0.000     .0962025    .28914
> 52
       icdxcnt |   .0548145   .0200384     2.74   0.006     .0155399    .09408
> 91
         _cons |   .0748925   .0794357     0.94   0.346    -.0807987    .23058
> 37
---------------+-----------------------------------------------------------
> --
  crhrw3 <-    |
        crhrw2 |   1.043845   .0232374    44.92   0.000     .9983002    1.0893
> 89
        aborw1 |  -.0414874   .0167388    -2.48   0.013    -.0742947     -.008
> 68
        crhrw1 |  -.1068446   .0218238    -4.90   0.000    -.1496184   -.06407
> 08
         _cons |   .0185662    .015747     1.18   0.238    -.0122972    .04942
> 97
---------------+-----------------------------------------------------------
> --
Variance       |
     e.cumdose1 |   .2890055   .0215113                     .2497751    .33439
> 75
     e.cumdose2 |   .4618044   .0343732                     .3991179    .53433
> 67
     e.cumdose3 |    .087367   .0065934                     .0753546    .10129
> 44
     e.whpsleep |   843.9022   62.81357                     729.3487    976.44
> 77
       e.whpel |   850.5979   63.31195                     735.1356    984.19
> 51
       e.whppa |   274.2456   20.41273                     237.0188    317.31
> 94
      e.goferw1 |   608.3375   45.27996                     525.7602    703.88
> 47
      e.goferw2 |   247.6323   18.43204                     214.0177    286.52
> 66
       e.aborw3 |   .1730736   .0128913                     .1495649    .20027
> 75
       e.crhrw2 |   .3643757    .027125                      .314908    .42161
```

```
> 39
      e.aborw2 |   .5146966   .0383115                      .4448279    .59553
> 94
      e.aborw1 |   .7700159    .057314                       .665492    .89095
> 67
      e.crhrw3 |   .0793903   .0059099                      .0686125    .09186
> 11
---------------+--------------------------------------------------------------
> --
Covariance     |
  e.cumdose2   |
    e.cumdose3 |    .042052   .0123439     3.41   0.001     .0178585    .06624
> 55
  -------------+--------------------------------------------------------------
> --
  e.goferw2    |
      e.crhrw2 |   1.235576   .5063493     2.44   0.015     .2431498    2.2280
> 03
  -------------+--------------------------------------------------------------
> --
  e.aborw3     |
      e.aborw2 |   .0314257   .0157095     2.00   0.045     .0006357    .06221
> 56
      e.crhrw3 |   .0146636   .0062571     2.34   0.019     .0023998    .02692
> 74
---------------+--------------------------------------------------------------
> --
LR test of model vs. saturated: chi2(86)  =     99.21, Prob > chi2 = 0.1562
4 .
5 . estat stable

Stability analysis of simultaneous equation systems

   Eigenvalue stability condition
```

Eigenvalue	Modulus
4.423e-09	4.4e-09
-4.423e-09	4.4e-09
3.206e-10	3.2e-10
-3.206e-10	3.2e-10
3.458e-17	3.5e-17
2.776e-17	2.8e-17
0	0
0	0
0	0
0	0
0	0
0	0

0	0

stability index = **4.42e-09**
All the eigenvalues lie inside the unit circle.
SEM satisfies stability condition.

```
6 . estat gof
```

Fit statistic	Value	Description
Likelihood ratio		
chi2_ms(**86**)	**99.212**	model vs. saturated
p > chi2	**0.156**	
chi2_bs(**117**)	**3779.561**	baseline vs. saturated
p > chi2	**0.000**	

```
7 . estat ic
```

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	**361**	.	**-13436.97**	**57**	**26987.93**	**27209.6**

Note: N=Obs used in calculating BIC; see **[R] BIC note**

```
8 . sem (cumdose1 -> cumdose2) (cumdose2 -> cumdose3) (whpsleep -> whpel) (whpsl
> eep -> whppa) (goferw1 -> cumdose1) (goferw1 -> goferw2) (goferw1 -> aborw3)
>  (goferw1 -> crhrw2) (goferw2 -> cumdose3) (goferw2 -> aborw2) (fdferw1 -> g
> oferw1) (fdferw1 -> goferw2) (aborw1 -> crhrw3) (aborw2 -> whpsleep) (aborw3
>  -> whppa) (crhrw1 -> aborw1) (crhrw1 -> crhrw2) (crhrw1 -> crhrw3) (crhrw2
> -> crhrw3) (crhrw3 -> whpsleep) (crhrw3 -> whpel) (crhrw3 -> whppa) (whpel -
> > whppa) (icdxcnt -> whpsleep) (icdxcnt -> aborw1) (icdxcnt -> aborw2) (icdx
> cnt -> crhrw2) if gender==2, vce(cluster id) cov( e.cumdose2*e.cumdose3 e.go
> ferw2*e.crhrw2 e.aborw2*e.aborw3 e.aborw3*e.crhrw3) nocapslatent
(2 observations with missing values excluded;
 specify option 'method(mlmv)' to use all observations)

Endogenous variables

Observed:  cumdose1 cumdose2 cumdose3 whpsleep whpel whppa goferw1 goferw2
           aborw3 crhrw2 aborw2 aborw1 crhrw3

Exogenous variables

Observed:  fdferw1 crhrw1 icdxcnt
```

```
Fitting target model:

Iteration 0:   log pseudolikelihood =  -13748.18  (not concave)
Iteration 1:   log pseudolikelihood = -13540.825
Iteration 2:   log pseudolikelihood = -13473.859
Iteration 3:   log pseudolikelihood = -13440.135
Iteration 4:   log pseudolikelihood = -13436.996
Iteration 5:   log pseudolikelihood = -13436.967
Iteration 6:   log pseudolikelihood = -13436.967

Structural equation model                       Number of obs      =       361
Estimation method  = ml
Log pseudolikelihood= -13436.967

                                              (Std. Err. adjusted for 361 clusters in i
> d)
---------------------------------------------------------------------------------------
> ──
             |               Robust
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interva
> l]
-------------+-------------------------------------------------------------------------
> ──
Structural   |
  cumdose1 <-|
       goferw1 |   .0032023   .0011962     2.68   0.007     .0008578    .00554
> 67
         _cons |   .2413505    .019026    12.69   0.000     .2040602    .27864
> 08
-------------+-------------------------------------------------------------------------
> ──
  cumdose2 <-|
      cumdose1 |    2.18886    .083603    26.18   0.000     2.025001    2.3527
> 19
         _cons |   .1616705   .0419462     3.85   0.000     .0794575    .24388
> 36
-------------+-------------------------------------------------------------------------
> ──
  cumdose3 <-|
      cumdose2 |   1.228932   .0352197    34.89   0.000     1.159902    1.2979
> 61
       goferw2 |   .0024603   .0012627     1.95   0.051    -.0000146    .00493
> 52
         _cons |   .0812865   .0294283     2.76   0.006     .0236081    .13896
> 49
-------------+-------------------------------------------------------------------------
> ──
  whpsleep <-|
        aborw2 |  -4.233705   1.644764    -2.57   0.010    -7.457384   -1.0100
```

```
> 27
       crhrw3 |   8.759233   1.749043     5.01   0.000     5.331171    12.187
> 29
      icdxcnt |   2.523497   .7810614     3.23   0.001     .9926446    4.0543
> 49
        _cons |   18.19965   2.678384     6.80   0.000     12.95012    23.449
> 19
-------------+----------------------------------------------------------------
> ──
  whpel <-   |
    whpsleep |   .5418411    .053608    10.11   0.000     .4367713     .64691
> 08
       crhrw3 |   4.486308   1.788977     2.51   0.012     .9799771    7.9926
> 38
        _cons |   16.95847    1.92508     8.81   0.000     13.18539    20.731
> 56
-------------+----------------------------------------------------------------
> ──
  whppa <-   |
    whpsleep |   .2177445   .0397755     5.47   0.000      .139786     .2957
> 03
        whpel |   .2186883   .0347415     6.29   0.000     .1505961    .28678
> 04
       aborw3 |  -4.971303   1.627593    -3.05   0.002    -8.161327    -1.781
> 28
       crhrw3 |   2.707541   .9684807     2.80   0.005      .809354    4.6057
> 29
        _cons |   5.980459   1.127836     5.30   0.000     3.769941    8.1909
> 78
-------------+----------------------------------------------------------------
> ──
  goferw1 <- |
     fdferw1 |   .6985567   .0405626    17.22   0.000     .6190554     .7780
> 58
        _cons |   3.436444   1.396699     2.46   0.014     .6989635    6.1739
> 24
-------------+----------------------------------------------------------------
> ──
  goferw2 <- |
     goferw1 |   .1467846   .0374639     3.92   0.000     .0733566     .22021
> 25
     fdferw1 |   .0702821     .02815     2.50   0.013     .0151091    .12545
> 52
        _cons |   1.116902   .8204754     1.36   0.173    -.4912003    2.7250
> 04
-------------+----------------------------------------------------------------
> ──
  aborw3 <-  |
     goferw1 |  -.0016422   .0005981    -2.75   0.006    -.0028144     -.000
```

```
> 47
       _cons |   .1733552   .0359345     4.82   0.000     .1029249    .24378
> 55
-------------+----------------------------------------------------------------
> ----
  crhrw2 <-  |
     goferw1 |   .0046191    .000923     5.00   0.000       .00281    .00642
> 83
      crhrw1 |   .6194044   .0372516    16.63   0.000     .5463925    .69241
> 62
     icdxcnt |   .0477625   .0151675     3.15   0.002     .0180348    .07749
> 02
       _cons |  -.1983836   .0594983    -3.33   0.001    -.3149983    -.0817
> 69
-------------+----------------------------------------------------------------
> ----
  aborw2 <-  |
     goferw2 |  -.0043521   .0015136    -2.88   0.004    -.0073186   -.00138
> 55
     icdxcnt |   .0433149   .0219053     1.98   0.048     .0003813    .08624
> 86
       _cons |   .2192323   .0636457     3.44   0.001      .094489    .34397
> 56
-------------+----------------------------------------------------------------
> ----
  aborw1 <-  |
      crhrw1 |   .1926739   .0548624     3.51   0.000     .0851454    .30020
> 23
     icdxcnt |   .0548145   .0225188     2.43   0.015     .0106784    .09895
> 06
       _cons |   .0748925   .0682257     1.10   0.272    -.0588274    .20861
> 24
-------------+----------------------------------------------------------------
> ----
  crhrw3 <-  |
      crhrw2 |   1.043845   .0277145    37.66   0.000     .9895253    1.0981
> 64
      aborw1 |  -.0414874   .0137175    -3.02   0.002    -.0683732   -.01460
> 16
      crhrw1 |  -.1068446   .0314328    -3.40   0.001    -.1684517   -.04523
> 75
       _cons |   .0185662   .0159832     1.16   0.245    -.0127603    .04989
> 28
-------------+----------------------------------------------------------------
> ----
Variance     |
   e.cumdose1 |   .2890055   .1001246                     .1465586    .56990
> 29
   e.cumdose2 |   .4618044   .2566491                     .1553819    1.3725
```

```
> 11
    e.cumdose3 |    .087367   .0322766                      .0423528    .18022
> 41
    e.whpsleep |    843.9022    64.0204                      727.3073    979.18
> 84
       e.whpel |    850.5979   59.92645                      740.8927    976.54
> 73
       e.whppa |    274.2456   26.72383                      226.5659    331.95
> 93
     e.goferw1 |    608.3375    68.8233                      487.3548    759.35
> 34
     e.goferw2 |    247.6323    39.5962                      181.0093    338.77
> 69
      e.aborw3 |    .1730736   .0395079                      .1106434      .270
> 73
      e.crhrw2 |    .3643757   .0378495                      .2972561    .44665
> 06
      e.aborw2 |    .5146966   .0851243                      .3721973    .71175
> 29
      e.aborw1 |    .7700159   .3733713                      .2976888     1.991
> 76
      e.crhrw3 |    .0793903   .0122786                      .0586299    .10750
> 17
---------------+----------------------------------------------------------------
> ——
Covariance     |
  e.cumdose2   |
    e.cumdose3 |    .042052    .074167     0.57   0.571    -.1033126    .18741
> 66
---------------+----------------------------------------------------------------
> ——
  e.goferw2    |
      e.crhrw2 |    1.235576   .5105715     2.42   0.016     .2348745    2.2362
> 78
---------------+----------------------------------------------------------------
> ——
  e.aborw3     |
      e.aborw2 |    .0314257   .0305258     1.03   0.303    -.0284039    .09125
> 52
      e.crhrw3 |    .0146636   .0118402     1.24   0.216    -.0085427      .037
> 87
---------------+----------------------------------------------------------------
> ——
```

```
 9 .
10 . sem (cumdose1 -> cumdose2) (cumdose2 -> cumdose3) (whpsleep -> whpel) (whpsl
   > eep -> whppa) (goferw1 -> cumdose1) (goferw1 -> goferw2) (goferw1 -> aborw3)
   >  (goferw1 -> crhrw2) (goferw2 -> cumdose3) (goferw2 -> aborw2) (fdferw1 -> g
   > oferw1) (fdferw1 -> goferw2) (aborw1 -> crhrw3) (aborw2 -> whpsleep) (aborw3
   >  -> whppa) (crhrw1 -> aborw1) (crhrw1 -> crhrw2) (crhrw1 -> crhrw3) (crhrw2
   > -> crhrw3) (crhrw3 -> whpsleep) (crhrw3 -> whpel) (crhrw3 -> whppa) (whpel -
   > > whppa) (icdxcnt -> whpsleep) (icdxcnt -> aborw1) (icdxcnt -> aborw2) (icdx
   > cnt -> crhrw2) if gender==2, vce(cluster id) cov( e.cumdose2*e.cumdose3 e.go
   > ferw2*e.crhrw2 e.aborw2*e.aborw3 e.aborw3*e.crhrw3) nocapslatent
   (2 observations with missing values excluded;
    specify option 'method(mlmv)' to use all observations)

   Endogenous variables

   Observed:  cumdose1 cumdose2 cumdose3 whpsleep whpel whppa goferw1 goferw2
              aborw3 crhrw2 aborw2 aborw1 crhrw3

   Exogenous variables

   Observed:  fdferw1 crhrw1 icdxcnt

   Fitting target model:

   Iteration 0:   log pseudolikelihood =  -13748.18  (not concave)
   Iteration 1:   log pseudolikelihood = -13540.825
   Iteration 2:   log pseudolikelihood = -13473.859
   Iteration 3:   log pseudolikelihood = -13440.135
   Iteration 4:   log pseudolikelihood = -13436.996
   Iteration 5:   log pseudolikelihood = -13436.967
   Iteration 6:   log pseudolikelihood = -13436.967

   Structural equation model                       Number of obs      =       361
   Estimation method  = ml
   Log pseudolikelihood= -13436.967

                                                 (Std. Err. adjusted for 361 clusters in i
   > d)
   ----------------+----------------------------------------------------------------
   > --
                   |               Robust
                   |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interva
   > l]
   ----------------+----------------------------------------------------------------
   > --
   Structural      |
     cumdose1 <-   |
          goferw1  |   .0032023   .0011962     2.68   0.007     .0008578    .00554
   > 67
```

```
       _cons |   .2413505   .019026    12.69   0.000     .2040602    .27864
> 08
-------------+----------------------------------------------------------------
> ----
  cumdose2 <-|
    cumdose1 |    2.18886   .083603    26.18   0.000     2.025001    2.3527
> 19
       _cons |   .1616705  .0419462     3.85   0.000     .0794575    .24388
> 36
-------------+----------------------------------------------------------------
> ----
  cumdose3 <-|
    cumdose2 |   1.228932  .0352197    34.89   0.000     1.159902    1.2979
> 61
     goferw2 |   .0024603  .0012627     1.95   0.051    -.0000146    .00493
> 52
       _cons |   .0812865  .0294283     2.76   0.006     .0236081    .13896
> 49
-------------+----------------------------------------------------------------
> ----
  whpsleep <-|
      aborw2 |  -4.233705  1.644764    -2.57   0.010    -7.457384   -1.0100
> 27
      crhrw3 |   8.759233  1.749043     5.01   0.000     5.331171    12.187
> 29
     icdxcnt |   2.523497  .7810614     3.23   0.001     .9926446    4.0543
> 49
       _cons |   18.19965  2.678384     6.80   0.000     12.95012    23.449
> 19
-------------+----------------------------------------------------------------
> ----
  whpel <-   |
    whpsleep |   .5418411   .053608    10.11   0.000     .4367713    .64691
> 08
      crhrw3 |   4.486308  1.788977     2.51   0.012     .9799771    7.9926
> 38
       _cons |   16.95847   1.92508     8.81   0.000     13.18539    20.731
> 56
-------------+----------------------------------------------------------------
> ----
  whppa <-   |
    whpsleep |   .2177445  .0397755     5.47   0.000      .139786     .2957
> 03
       whpel |   .2186883  .0347415     6.29   0.000     .1505961    .28678
> 04
      aborw3 |  -4.971303  1.627593    -3.05   0.002    -8.161327   -1.781
> 28
      crhrw3 |   2.707541  .9684807     2.80   0.005      .809354    4.6057
> 29
```

```
       _cons |   5.980459   1.127836     5.30   0.000     3.769941    8.1909
> 78
-------------+----------------------------------------------------------------
> --
  goferw1 <- |
      fdferw1 |   .6985567   .0405626    17.22   0.000     .6190554     .7780
> 58
       _cons |   3.436444   1.396699     2.46   0.014     .6989635    6.1739
> 24
-------------+----------------------------------------------------------------
> --
  goferw2 <- |
      goferw1 |   .1467846   .0374639     3.92   0.000     .0733566     .22021
> 25
      fdferw1 |   .0702821     .02815     2.50   0.013     .0151091     .12545
> 52
       _cons |   1.116902   .8204754     1.36   0.173    -.4912003    2.7250
> 04
-------------+----------------------------------------------------------------
> --
  aborw3 <-  |
      goferw1 |  -.0016422   .0005981    -2.75   0.006    -.0028144     -.000
> 47
       _cons |   .1733552   .0359345     4.82   0.000     .1029249     .24378
> 55
-------------+----------------------------------------------------------------
> --
  crhrw2 <-  |
      goferw1 |   .0046191    .000923     5.00   0.000       .00281     .00642
> 83
       crhrw1 |   .6194044   .0372516    16.63   0.000     .5463925     .69241
> 62
      icdxcnt |   .0477625   .0151675     3.15   0.002     .0180348     .07749
> 02
       _cons |  -.1983836   .0594983    -3.33   0.001    -.3149983     -.0817
> 69
-------------+----------------------------------------------------------------
> --
  aborw2 <-  |
      goferw2 |  -.0043521   .0015136    -2.88   0.004    -.0073186    -.00138
> 55
      icdxcnt |   .0433149   .0219053     1.98   0.048     .0003813     .08624
> 86
       _cons |   .2192323   .0636457     3.44   0.001      .094489     .34397
> 56
-------------+----------------------------------------------------------------
> --
  aborw1 <-  |
       crhrw1 |   .1926739   .0548624     3.51   0.000     .0851454     .30020
```

```
> 23
      icdxcnt |   .0548145   .0225188     2.43   0.015     .0106784    .09895
> 06
        _cons |   .0748925   .0682257     1.10   0.272    -.0588274    .20861
> 24
-------------+----------------------------------------------------------------
> ––
  crhrw3 <-  |
       crhrw2 |   1.043845   .0277145    37.66   0.000     .9895253    1.0981
> 64
       aborw1 |  -.0414874   .0137175    -3.02   0.002    -.0683732   -.01460
> 16
       crhrw1 |  -.1068446   .0314328    -3.40   0.001    -.1684517   -.04523
> 75
        _cons |   .0185662   .0159832     1.16   0.245    -.0127603    .04989
> 28
-------------+----------------------------------------------------------------
> ––
Variance     |
    e.cumdose1 |   .2890055   .1001246                      .1465586    .56990
> 29
    e.cumdose2 |   .4618044   .2566491                      .1553819    1.3725
> 11
    e.cumdose3 |    .087367   .0322766                      .0423528    .18022
> 41
    e.whpsleep |   843.9022    64.0204                      727.3073    979.18
> 84
       e.whpel |   850.5979   59.92645                      740.8927    976.54
> 73
       e.whppa |   274.2456   26.72383                      226.5659    331.95
> 93
     e.goferw1 |   608.3375    68.8233                      487.3548    759.35
> 34
     e.goferw2 |   247.6323    39.5962                      181.0093    338.77
> 69
      e.aborw3 |   .1730736   .0395079                      .1106434      .270
> 73
      e.crhrw2 |   .3643757   .0378495                      .2972561    .44665
> 06
      e.aborw2 |   .5146966   .0851243                      .3721973    .71175
> 29
      e.aborw1 |   .7700159   .3733713                      .2976888     1.991
> 76
      e.crhrw3 |   .0793903   .0122786                      .0586299    .10750
> 17
-------------+----------------------------------------------------------------
> ––
Covariance   |
  e.cumdose2 |
```

```
    e.cumdose3 |    .042052    .074167     0.57   0.571    -.1033126    .18741
> 66
  ─────────────┼──────────────────────────────────────────────────────────────
> ──
  e.goferw2    |
       e.crhrw2 |   1.235576   .5105715     2.42   0.016     .2348745    2.2362
> 78
  ─────────────┼──────────────────────────────────────────────────────────────
> ──
  e.aborw3     |
       e.aborw2 |   .0314257   .0305258     1.03   0.303    -.0284039    .09125
> 52
       e.crhrw3 |   .0146636   .0118402     1.24   0.216    -.0085427      .037
> 87
─────────────┴──────────────────────────────────────────────────────────────
> ──
11 .
12 . estat teffects, standardized


Direct effects
                                        (Std. Err. adjusted for 361 clusters in id
> )
─────────────┬──────────────────────────────────────────────────────────────
> ─
             |               Robust
             |      Coef.   Std. Err.      z    P>|z|                Std. Coef
> .
─────────────┼──────────────────────────────────────────────────────────────
> ─
Structural   |
  cumdose1 <-|
       goferw1 |   .0032023   .0011962     2.68   0.007                .210465
> 7
       fdferw1 |          0  (no path)
> 0
  ─────────────┼──────────────────────────────────────────────────────────────
> ─
  cumdose2 <-|
     cumdose1 |    2.18886    .083603    26.18   0.000                .870803
> 3
       goferw1 |          0  (no path)
> 0
       fdferw1 |          0  (no path)
> 0
  ─────────────┼──────────────────────────────────────────────────────────────
> ─
  cumdose3 <-|
     cumdose1 |          0  (no path)
```

```
> 0
    cumdose2 |   1.228932   .0352197    34.89   0.000                .966474
> 5
     goferw1 |          0  (no path)
> 0
     goferw2 |   .0024603   .0012627     1.95   0.051                .024384
> 1
     fdferw1 |          0  (no path)
> 0
-------------+----------------------------------------------------------------
> —
  whpsleep <- |
     goferw1 |          0  (no path)
> 0
     goferw2 |          0  (no path)
> 0
      crhrw2 |          0  (no path)
> 0
      aborw2 |  -4.233705   1.644764    -2.57   0.010               -.099985
> 4
      aborw1 |          0  (no path)
> 0
      crhrw3 |   8.759233   1.749043     5.01   0.000                .251539
> 1
     fdferw1 |          0  (no path)
> 0
      crhrw1 |          0  (no path)
> 0
     icdxcnt |   2.523497   .7810614     3.23   0.001                .189939
> 5
-------------+----------------------------------------------------------------
> —
  whpel <-    |
    whpsleep |   .5418411    .053608    10.11   0.000                .486079
> 5
     goferw1 |          0  (no path)
> 0
     goferw2 |          0  (no path)
> 0
      crhrw2 |          0  (no path)
> 0
      aborw2 |          0  (no path)
> 0
      aborw1 |          0  (no path)
> 0
      crhrw3 |   4.486308   1.788977     2.51   0.012                 .11557
> 5
     fdferw1 |          0  (no path)
> 0
```

```
       crhrw1 |          0  (no path)
> 0
      icdxcnt |          0  (no path)
> 0
-------------+------------------------------------------------------------
> -
  whppa <-   |
     whpsleep |   .2177445   .0397755     5.47   0.000                .314334
> 4
        whpel |   .2186883   .0347415     6.29   0.000                .351912
> 6
      goferw1 |          0  (no path)
> 0
      goferw2 |          0  (no path)
> 0
       aborw3 |  -4.971303   1.627593    -3.05   0.002               -.097835
> 5
       crhrw2 |          0  (no path)
> 0
       aborw2 |          0  (no path)
> 0
       aborw1 |          0  (no path)
> 0
       crhrw3 |   2.707541   .9684807     2.80   0.005                .11224
> 3
      fdferw1 |          0  (no path)
> 0
       crhrw1 |          0  (no path)
> 0
      icdxcnt |          0  (no path)
> 0
-------------+------------------------------------------------------------
> -
  goferw1 <- |
      fdferw1 |   .6985567   .0405626    17.22   0.000                .730954
> 3
-------------+------------------------------------------------------------
> -
  goferw2 <- |
      goferw1 |   .1467846   .0374639     3.92   0.000                .304543
> 3
      fdferw1 |   .0702821     .02815     2.50   0.013                .152581
> 6
-------------+------------------------------------------------------------
> -
  aborw3 <-  |
      goferw1 |  -.0016422   .0005981    -2.75   0.006               -.141236
> 6
      fdferw1 |          0  (no path)
```

```
> 0
-------------+----------------------------------------------------------------
> -
  crhrw2 <-  |
      goferw1 |   .0046191    .000923     5.00   0.000                .191746
> 8
      fdferw1 |           0  (no path)
> 0
       crhrw1 |   .6194044   .0372516    16.63   0.000                .671986
> 5
      icdxcnt |   .0477625   .0151675     3.15   0.002                .127279
> 9
-------------+----------------------------------------------------------------
> -
  aborw2 <-  |
      goferw1 |           0  (no path)
> 0
      goferw2 |  -.0043521   .0015136    -2.88   0.004               -.104139
> 8
      fdferw1 |           0  (no path)
> 0
      icdxcnt |   .0433149   .0219053     1.98   0.048                .138049
> 3
-------------+----------------------------------------------------------------
> -
  aborw1 <-  |
       crhrw1 |   .1926739   .0548624     3.51   0.000                .201719
> 9
      icdxcnt |   .0548145   .0225188     2.43   0.015                 .14096
> 4
-------------+----------------------------------------------------------------
> -
  crhrw3 <-  |
      goferw1 |           0  (no path)
> 0
       crhrw2 |   1.043845   .0277145    37.66   0.000                1.02668
> 3
       aborw1 |  -.0414874   .0137175    -3.02   0.002               -.042284
> 1
      fdferw1 |           0  (no path)
> 0
       crhrw1 |  -.1068446   .0314328    -3.40   0.001                -.11400
> 9
      icdxcnt |           0  (no path)
> 0
-------------+----------------------------------------------------------------
> -
```

Indirect effects

(Std. Err. adjusted for **361** clusters in id

	Coef.	Robust Std. Err.	z	P>|z|	Std. Coef
Structural					
cumdose1 <-					
goferw1	**0**	(no path)			
fdferw1	**.002237**	**.0008441**	**2.65**	**0.008**	**.153840**
cumdose2 <-					
cumdose1	**0**	(no path)			
goferw1	**.0070093**	**.0026183**	**2.68**	**0.007**	**.183274**
fdferw1	**.0048964**	**.001862**	**2.63**	**0.009**	**.133965**
cumdose3 <-					
cumdose1	**2.689959**	**.1027424**	**26.18**	**0.000**	**.841609**
cumdose2	**0**	(no path)			
goferw1	**.0089751**	**.0032081**	**2.80**	**0.005**	**.184555**
goferw2	**0**	(no path)			
fdferw1	**.0064425**	**.0023457**	**2.75**	**0.006**	**.138622**
whpsleep <-					
goferw1	**.0449386**	**.0085784**	**5.24**	**0.000**	**.052689**
goferw2	**.0184253**	**.006408**	**2.88**	**0.004**	**.010412**
crhrw2	**9.143278**	**.2427575**	**37.66**	**0.000**	**.258250**
aborw2	**0**	(no path)			

```
       aborw1 |  -.3633976   .1201547    -3.02   0.002               -.010636
> 1
       crhrw3 |           0  (no path)
> 0
      fdferw1 |   .0326872    .009439     3.46   0.001                .040102
> 6
       crhrw1 |   4.657493   .9949073     4.68   0.000                .142717
> 8
      icdxcnt |   .2334035   .1996673     1.17   0.242                .017567
> 9
--------------+----------------------------------------------------------------
> -
  whpel <-    |
     whpsleep |           0  (no path)
> 0
      goferw1 |   .0459811   .0089637     5.13   0.000                .048363
> 9
      goferw2 |   .0099836   .0034721     2.88   0.004                .005061
> 3
       crhrw2 |   9.637212   .2558717    37.66   0.000                .244189
> 3
       aborw2 |  -2.293995   .8912008    -2.57   0.010               -.048600
> 9
       aborw1 |  -.3830289   .1266456    -3.02   0.002                -.01005
> 7
       crhrw3 |   4.746112   .9477034     5.01   0.000                 .12226
> 8
      fdferw1 |    .032822   .0101012     3.25   0.001                .036124
> 1
       crhrw1 |   4.909098   1.068272     4.60   0.000                 .13494
> 7
      icdxcnt |   1.707272   .4837175     3.53   0.000                .115279
> 1
--------------+----------------------------------------------------------------
> -
  whppa <-    |
     whpsleep |   .1184943   .0117234    10.11   0.000                .171057
> 5
        whpel |           0  (no path)
> 0
      goferw1 |   .0410593   .0072001     5.70   0.000                .069496
> 5
      goferw2 |   .0061953   .0021546     2.88   0.004                .005054
> 1
       aborw3 |           0  (no path)
> 0
       crhrw2 |   6.924696   .1838533    37.66   0.000                .282348
> 3
       aborw2 |  -1.423536   .5530335    -2.57   0.010               -.048532
```

```
> 1
      aborw1 |  -.2752206   .0909996    -3.02   0.002               -.011628
> 6
      crhrw3 |   3.926296   .7174697     5.47   0.000                .162767
> 3
     fdferw1 |   .0291177   .0076295     3.82   0.000                  .0515
> 7
      crhrw1 |    3.52737   .7230356     4.88   0.000                .156034
> 9
     icdxcnt |   1.102492    .321185     3.43   0.001                .119793
> 3
-------------+----------------------------------------------------------------
> -
  goferw1 <- |
     fdferw1 |           0  (no path)
> 0
-------------+----------------------------------------------------------------
> -
  goferw2 <- |
     goferw1 |           0  (no path)
> 0
     fdferw1 |   .1025373   .0266365     3.85   0.000                .222607
> 2
-------------+----------------------------------------------------------------
> -
  aborw3 <-  |
     goferw1 |           0  (no path)
> 0
     fdferw1 |  -.0011472   .0004262    -2.69   0.007               -.103237
> 5
-------------+----------------------------------------------------------------
> -
  crhrw2 <-  |
     goferw1 |           0  (no path)
> 0
     fdferw1 |   .0032267   .0006904     4.67   0.000                .140158
> 2
      crhrw1 |           0  (no path)
> 0
     icdxcnt |           0  (no path)
> 0
-------------+----------------------------------------------------------------
> -
  aborw2 <-  |
     goferw1 |  -.0006388    .000163    -3.92   0.000               -.031715
> 1
     goferw2 |           0  (no path)
> 0
     fdferw1 |  -.0007521    .000271    -2.78   0.006               -.039072
```

```
> 1
      icdxcnt |           0  (no path)
> 0
--------------+-------------------------------------------------------------
> —
  aborw1 <-   |
       crhrw1 |           0  (no path)
> 0
      icdxcnt |           0  (no path)
> 0
--------------+-------------------------------------------------------------
> —
  crhrw3 <-   |
      goferw1 |   .0048217   .0009635     5.00   0.000                .196863
> 2
       crhrw2 |           0  (no path)
> 0
       aborw1 |           0  (no path)
> 0
      fdferw1 |   .0033682   .0007413     4.54   0.000                 .14389
> 8
       crhrw1 |   .6385684   .0473287    13.49   0.000                .681387
> 4
      icdxcnt |   .0475825   .0160382     2.97   0.003                .124715
> 5
--------------+-------------------------------------------------------------
> —
```

Total effects

(Std. Err. adjusted for **361** clusters in id

```
> )
--------------+-------------------------------------------------------------
> —
              |               Robust
              |      Coef.   Std. Err.      z    P>|z|                Std. Coef
> .
--------------+-------------------------------------------------------------
> —
Structural    |
  cumdose1 <- |
      goferw1 |   .0032023   .0011962     2.68   0.007                .210465
> 7
      fdferw1 |    .002237   .0008441     2.65   0.008                .153840
> 8
--------------+-------------------------------------------------------------
> —
  cumdose2 <- |
     cumdose1 |    2.18886    .083603    26.18   0.000                .870803
```

```
> 3
      goferw1 |   .0070093   .0026183     2.68   0.007                .183274
> 2
      fdferw1 |   .0048964    .001862     2.63   0.009                .133965
> 1
--------------+-------------------------------------------------------------
> -
  cumdose3 <- |
     cumdose1 |   2.689959   .1027424    26.18   0.000                .841609
> 1
     cumdose2 |   1.228932   .0352197    34.89   0.000                .966474
> 5
      goferw1 |   .0089751   .0032081     2.80   0.005                .184555
> 9
      goferw2 |   .0024603   .0012627     1.95   0.051                .024384
> 1
      fdferw1 |   .0064425   .0023457     2.75   0.006                .138622
> 5
--------------+-------------------------------------------------------------
> -
  whpsleep <- |
      goferw1 |   .0449386   .0085784     5.24   0.000                .052689
> 8
      goferw2 |   .0184253    .006408     2.88   0.004                .010412
> 5
       crhrw2 |   9.143278   .2427575    37.66   0.000                .258250
> 8
       aborw2 |  -4.233705   1.644764    -2.57   0.010               -.099985
> 4
       aborw1 |  -.3633976   .1201547    -3.02   0.002               -.010636
> 1
       crhrw3 |   8.759233   1.749043     5.01   0.000                .251539
> 1
      fdferw1 |   .0326872    .009439     3.46   0.001                .040102
> 6
       crhrw1 |   4.657493   .9949073     4.68   0.000                .142717
> 8
      icdxcnt |    2.7569   .7809316     3.53   0.000                .207507
> 4
--------------+-------------------------------------------------------------
> -
  whpel <-    |
     whpsleep |   .5418411    .053608    10.11   0.000                .486079
> 5
      goferw1 |   .0459811   .0089637     5.13   0.000                .048363
> 9
      goferw2 |   .0099836   .0034721     2.88   0.004                .005061
> 3
       crhrw2 |   9.637212   .2558717    37.66   0.000                .244189
```

```
> 3
       aborw2 |  -2.293995   .8912008    -2.57   0.010                -.048600
> 9
       aborw1 |  -.3830289   .1266456    -3.02   0.002                 -.01005
> 7
       crhrw3 |    9.23242   2.053131     4.50   0.000                  .23784
> 3
     fdferw1 |    .032822   .0101012     3.25   0.001                 .036124
> 1
       crhrw1 |   4.909098   1.068272     4.60   0.000                  .13494
> 7
     icdxcnt |   1.707272   .4837175     3.53   0.000                 .115279
> 1
-------------+----------------------------------------------------------------
> -
  whppa <-   |
    whpsleep |   .3362388   .0421143     7.98   0.000                 .485391
> 9
        whpel |   .2186883   .0347415     6.29   0.000                 .351912
> 6
     goferw1 |   .0410593   .0072001     5.70   0.000                 .069496
> 5
     goferw2 |   .0061953   .0021546     2.88   0.004                 .005054
> 1
       aborw3 |  -4.971303   1.627593    -3.05   0.002                -.097835
> 5
       crhrw2 |   6.924696   .1838533    37.66   0.000                 .282348
> 3
       aborw2 |  -1.423536   .5530335    -2.57   0.010                -.048532
> 1
       aborw1 |  -.2752206   .0909996    -3.02   0.002                -.011628
> 6
       crhrw3 |   6.633838   1.264709     5.25   0.000                 .275010
> 3
     fdferw1 |   .0291177   .0076295     3.82   0.000                   .0515
> 7
       crhrw1 |    3.52737   .7230356     4.88   0.000                 .156034
> 9
     icdxcnt |   1.102492    .321185     3.43   0.001                 .119793
> 3
-------------+----------------------------------------------------------------
> -
  goferw1 <- |
     fdferw1 |   .6985567   .0405626    17.22   0.000                 .730954
> 3
-------------+----------------------------------------------------------------
> -
  goferw2 <- |
     goferw1 |   .1467846   .0374639     3.92   0.000                 .304543
```

```
> 3
      fdferw1 |   .1728195   .0264222     6.54   0.000                .375188
> 8
--------------+-----------------------------------------------------------------
> -
  aborw3 <-   |
      goferw1 |  -.0016422   .0005981    -2.75   0.006               -.141236
> 6
      fdferw1 |  -.0011472   .0004262    -2.69   0.007               -.103237
> 5
--------------+-----------------------------------------------------------------
> -
  crhrw2 <-   |
      goferw1 |   .0046191    .000923     5.00   0.000                .191746
> 8
      fdferw1 |   .0032267   .0006904     4.67   0.000                .140158
> 2
       crhrw1 |   .6194044   .0372516    16.63   0.000                .671986
> 5
      icdxcnt |   .0477625   .0151675     3.15   0.002                .127279
> 9
--------------+-----------------------------------------------------------------
> -
  aborw2 <-   |
      goferw1 |  -.0006388    .000163    -3.92   0.000               -.031715
> 1
      goferw2 |  -.0043521   .0015136    -2.88   0.004               -.104139
> 8
      fdferw1 |  -.0007521    .000271    -2.78   0.006               -.039072
> 1
      icdxcnt |   .0433149   .0219053     1.98   0.048                .138049
> 3
--------------+-----------------------------------------------------------------
> -
  aborw1 <-   |
       crhrw1 |   .1926739   .0548624     3.51   0.000                .201719
> 9
      icdxcnt |   .0548145   .0225188     2.43   0.015                 .14096
> 4
--------------+-----------------------------------------------------------------
> -
  crhrw3 <-   |
      goferw1 |   .0048217   .0009635     5.00   0.000                .196863
> 2
       crhrw2 |   1.043845   .0277145    37.66   0.000                1.02668
> 3
       aborw1 |  -.0414874   .0137175    -3.02   0.002               -.042284
> 1
      fdferw1 |   .0033682   .0007413     4.54   0.000                 .14389
```

```
> 8
       crhrw1 |   .5317238   .0419139    12.69   0.000                .567378
> 4
      icdxcnt |   .0475825   .0160382     2.97   0.003                .124715
> 5
--------------+-------------------------------------------------------------

> —

13 . estat framework
(model contains no latent variables)

Endogenous variables on endogenous variables

                | observed
>
            Beta | cumdose1   cumdose2   cumdose3   whpsleep      whpel
> whppa     goferw1    goferw2     aborw3     crhrw2
    ------------+------------------------------------------------------------
> ------------------------------------------
    observed    |
>
        cumdose1 |         0          0          0          0          0
>     0   .0032023          0          0          0
        cumdose2 |   2.18886          0          0          0          0
>     0          0          0          0          0
        cumdose3 |         0   1.228932          0          0          0
>     0          0   .0024603          0          0
        whpsleep |         0          0          0          0          0
>     0          0          0          0          0
           whpel |         0          0          0   .5418411          0
>     0          0          0          0          0
           whppa |         0          0          0   .2177445   .2186883
>     0          0          0 -4.971303          0
          goferw1 |         0          0          0          0          0
>     0          0          0          0          0
          goferw2 |         0          0          0          0          0
>     0   .1467846          0          0          0
           aborw3 |         0          0          0          0          0
>     0 -.0016422          0          0          0
           crhrw2 |         0          0          0          0          0
>     0   .0046191          0          0          0
           aborw2 |         0          0          0          0          0
>     0          0 -.0043521          0          0
           aborw1 |         0          0          0          0          0
>     0          0          0          0          0
           crhrw3 |         0          0          0          0          0
>     0          0          0          0   1.043845
    ------------+------------------------------------------------------------

> ------------------------------------------
```

Beta	observed aborw2	aborw1	crhrw3
observed			
cumdose1	**0**	**0**	**0**
cumdose2	**0**	**0**	**0**
cumdose3	**0**	**0**	**0**
whpsleep	**-4.233705**	**0**	**8.759233**
whpel	**0**	**0**	**4.486308**
whppa	**0**	**0**	**2.707541**
goferw1	**0**	**0**	**0**
goferw2	**0**	**0**	**0**
aborw3	**0**	**0**	**0**
crhrw2	**0**	**0**	**0**
aborw2	**0**	**0**	**0**
aborw1	**0**	**0**	**0**
crhrw3	**0**	**-.0414874**	**0**

Exogenous variables on endogenous variables

Gamma	observed fdferw1	crhrw1	icdxcnt
observed			
cumdose1	**0**	**0**	**0**
cumdose2	**0**	**0**	**0**
cumdose3	**0**	**0**	**0**
whpsleep	**0**	**0**	**2.523497**
whpel	**0**	**0**	**0**
whppa	**0**	**0**	**0**
goferw1	**.6985567**	**0**	**0**
goferw2	**.0702821**	**0**	**0**
aborw3	**0**	**0**	**0**
crhrw2	**0**	**.6194044**	**.0477625**
aborw2	**0**	**0**	**.0433149**
aborw1	**0**	**.1926739**	**.0548145**
crhrw3	**0**	**-.1068446**	**0**

Covariances of error variables

```
                 | observed
>
             Psi | e.cumdo~1  e.cumdo~2  e.cumdo~3  e.whpsl~p    e.whpel    e.
> whppa  e.goferw1  e.goferw2   e.aborw3   e.crhrw2
    -------------+------------------------------------------------------------
> -------------------------------------------
    observed     |
>
      e.cumdose1 |  .2890055
>
      e.cumdose2 |          0   .4618044
>
      e.cumdose3 |          0    .042052    .087367
>
      e.whpsleep |          0          0          0   843.9022
>
         e.whpel |          0          0          0          0   850.5979
>
         e.whppa |          0          0          0          0          0   274
> .2456
       e.goferw1 |          0          0          0          0          0
>     0   608.3375
       e.goferw2 |          0          0          0          0          0
>     0          0   247.6323
         e.aborw3 |          0          0          0          0          0
>     0          0          0   .1730736
         e.crhrw2 |          0          0          0          0          0
>     0          0   1.235576          0   .3643757
         e.aborw2 |          0          0          0          0          0
>     0          0          0   .0314257          0
         e.aborw1 |          0          0          0          0          0
>     0          0          0          0          0
         e.crhrw3 |          0          0          0          0          0
>     0          0          0   .0146636          0
    -------------+------------------------------------------------------------
> -------------------------------------------

                 | observed
             Psi |  e.aborw2   e.aborw1   e.crhrw3
    -------------+----------------------------------
    observed     |
        e.aborw2 |  .5146966
        e.aborw1 |          0   .7700159
        e.crhrw3 |          0          0   .0793903
    -------------+----------------------------------
```

Intercepts of endogenous variables

alpha	observed cumdose1	cumdose2	cumdose3	whpsleep	whpel	whppa	goferw1	goferw2	aborw3	crhrw2
_cons	**.2413505**	**.1616705**	**.0812865**	**18.19965**	**16.95847**	**5.980459**	**3.436444**	**1.116902**	**.1733552**	**-.1983836**

alpha	observed aborw2	aborw1	crhrw3
_cons	**.2192323**	**.0748925**	**.0185662**

Covariances of exogenous variables

Phi	observed fdferw1	crhrw1	icdxcnt
observed			
fdferw1	**1430.243**		
crhrw1	**5.855767**	**.8922183**	
icdxcnt	**8.811228**	**-.2519818**	**5.383246**

Means of exogenous variables

kappa	observed fdferw1	crhrw1	icdxcnt
mean	**37.53463**	**.1322862**	**3.171745**