```
1 . sem (cumdose1 -> cumdose2) (cumdose1 -> cumdose3) (cumdose1 -> fdferw1) (cum
  > dose2 -> cumdose3) (crhrw1 -> crhrw2) (crhrw1 -> crhrw3) (crhrw1 -> aborw1)
  > (crhrw1 -> fdferw1) (crhrw1 -> illw3) (crhrw2 -> crhrw3) (crhrw2 -> illw3) (
  > icdxcnt -> aborw1) (aborw1 -> crhrw2) (aborw1 -> fdferw3) (aborw2 -> crhrw2)
  >  (aborw2 -> icdxcnt) (aborw3 -> crhrw3) (fdferw1 -> crhrw2) (fdferw1 -> fdfe
  > rw2) (illw1 -> crhrw2) (illw1 -> icdxcnt) (illw2 -> crhrw2) (illw2 -> icdxcn
  > t) (illw2 -> illw3) (fdferw2 -> cumdose3) (fdferw2 -> icdxcnt) (fdferw2 -> f
  > dferw3) (illw3 -> cumdose3) (illw3 -> crhrw3) (illw3 -> icdxcnt) (illw3 -> f
  > dferw3) if gender==2, cov( e.crhrw3*e.crhrw2 e.fdferw1*e.fdferw3) nocapslate
  > nt
  (1 observations with missing values excluded;
   specify option 'method(mlmv)' to use all observations)

  Endogenous variables

  Observed:  cumdose2 cumdose3 fdferw1 crhrw2 crhrw3 aborw1 illw3 icdxcnt
             fdferw3 fdferw2

  Exogenous variables

  Observed:  cumdose1 crhrw1 aborw2 aborw3 illw1 illw2

  Fitting target model:

  Iteration 0:   log likelihood = -9926.1538  (not concave)
  Iteration 1:   log likelihood = -9711.3123
  Iteration 2:   log likelihood = -9578.8781
  Iteration 3:   log likelihood = -9556.3269
  Iteration 4:   log likelihood = -9552.4833
  Iteration 5:   log likelihood = -9550.4629
  Iteration 6:   log likelihood = -9550.3839
  Iteration 7:   log likelihood = -9550.3837

  Structural equation model                       Number of obs      =       362
  Estimation method  = ml
  Log likelihood     = -9550.3837
```

```
> -
                  |                 OIM
                  |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval
> ]
> -
Structural        |
  cumdose2 <-     |
     cumdose1     |   2.188894   .0649526    33.70   0.000     2.061589    2.31619
> 9
        _cons     |   .1613576   .0418234     3.86   0.000     .0793853    .243329
> 9
> -
  cumdose3 <-     |
     cumdose2     |   1.314717   .0221427    59.37   0.000     1.271318    1.35811
> 6
        illw3     |   .0419176   .0130489     3.21   0.001     .0163424    .067492
> 9
      fdferw2     |   .0016627   .0005875     2.83   0.005     .0005112    .002814
> 3
     cumdose1     |   -.201453   .0554729    -3.63   0.000    -.3101778   -.092728
> 2
        _cons     |   .0366882    .020967     1.75   0.080    -.0044063    .077782
> 7
> -
  fdferw1 <-      |
     cumdose1     |   8.753535   3.523999     2.48   0.013     1.846624    15.6604
> 5
       crhrw1     |   6.059022   2.054354     2.95   0.003     2.032563    10.0854
> 8
        _cons     |    33.6814   2.286827    14.73   0.000      29.1993     38.163
> 5
> -
  crhrw2 <-       |
      fdferw1     |   .0034748   .0007769     4.47   0.000     .0019522    .004997
> 4
       aborw1     |  -.1068016   .0329075    -3.25   0.001    -.1712992    -.04230
> 4
       crhrw1     |   .6594244   .0322813    20.43   0.000     .5961542    .722694
> 5
       aborw2     |  -.1003075   .0393379    -2.55   0.011    -.1774084   -.023206
> 6
        illw1     |   .2582233   .0603799     4.28   0.000     .1398808    .376565
> 7
        illw2     |   .2110993   .0338218     6.24   0.000     .1448097    .277388
```

```
> 9
       _cons |  -.1179535   .0454289    -2.60   0.009    -.2069924   -.028914
> 5
-------------+----------------------------------------------------------------
> -
  crhrw3 <-  |
       crhrw2 |   1.095005    .051542    21.24   0.000     .9939849    1.19602
> 6
        illw3 |   .0706981   .0142521     4.96   0.000     .0427646    .098631
> 6
       crhrw1 |  -.1190519   .0379068    -3.14   0.002    -.1933479   -.044755
> 9
       aborw3 |   .0930538   .0341644     2.72   0.006     .0260927    .160014
> 9
        _cons |  -.0619315   .0187248    -3.31   0.001    -.0986315   -.025231
> 5
-------------+----------------------------------------------------------------
> -
  aborw1 <-  |
      icdxcnt |   .0599619   .0201282     2.98   0.003     .0205113    .099412
> 4
       crhrw1 |   .1937856   .0491656     3.94   0.000     .0974228    .290148
> 3
        _cons |   .0573689   .0796464     0.72   0.471    -.0987352    .213473
> 1
-------------+----------------------------------------------------------------
> -
  illw3 <-   |
       crhrw2 |   .6326686   .0885617     7.14   0.000     .4590909    .806246
> 2
       crhrw1 |  -.7649751   .0799265    -9.57   0.000    -.9216281   -.608322
> 1
        illw2 |   .1856439   .0637737     2.91   0.004     .0606498     .31063
> 8
        _cons |   .6285453   .0585738    10.73   0.000     .5137428    .743347
> 8
-------------+----------------------------------------------------------------
> -
  icdxcnt <- |
        illw3 |   .5447237    .102339     5.32   0.000     .3441429    .745304
> 4
      fdferw2 |   .0118556   .0044208     2.68   0.007      .003191    .020520
> 2
       aborw2 |   .4824779   .1549793     3.11   0.002     .1787241    .786231
> 7
        illw1 |   .4690125   .2310932     2.03   0.042     .0160781    .921946
> 8
        illw2 |   .2521321   .1344499     1.88   0.061    -.0113847     .51564
> 9
```

```
       _cons |   2.262121   .1607007    14.08   0.000     1.947153    2.57708
> 9
-------------+----------------------------------------------------------------
> —
  fdferw3 <- |
       aborw1 |   1.886615   .8010501     2.36   0.019     .3165854    3.45664
> 4
        illw3 |  -1.447259    .621503    -2.33   0.020    -2.665382   -.229135
> 5
      fdferw2 |   .7301559   .0324097    22.53   0.000     .6666342    .793677
> 7
        _cons |   .5025388   1.008382     0.50   0.618    -1.473853     2.4789
> 3
-------------+----------------------------------------------------------------
> —
  fdferw2 <- |
      fdferw1 |   .3398738   .0307564    11.05   0.000     .2795923    .400155
> 2
        _cons |   2.493675   1.636532     1.52   0.128    -.7138674    5.70121
> 8
-------------+----------------------------------------------------------------
> —
Variance     |
    e.cumdose2 |   .4605615   .0342333                      .398124    .532791
> 1
    e.cumdose3 |   .0809005   .0060133                     .0699329     .09358
> 8
     e.fdferw1 |   1370.578   101.8784                     1184.764    1585.53
> 4
      e.crhrw2 |   .3111668   .0231746                     .2689049    .360070
> 7
      e.crhrw3 |   .0774229   .0068501                     .0650967    .092083
> 2
      e.aborw1 |   .7684275   .0571281                     .6642339    .888965
> 1
       e.illw3 |   .9925255   .0737764                     .8579662    1.14818
> 8
     e.icdxcnt |   4.529445   .3366919                     3.915361    5.23984
> 2
     e.fdferw3 |   188.6199   14.09157                     162.9278    218.363
> 4
     e.fdferw2 |   489.7427   36.40229                     423.3492    566.548
> 8
-------------+----------------------------------------------------------------
> —
Covariance   |
  e.fdferw1  |
     e.fdferw3 |  -62.16211   31.18092    -1.99   0.046    -123.2756   -1.04864
> 3
```

```
  ─────────────┼──────────────────────────────────────────────────────────────
  > ─
    e.crhrw2   │
       e.crhrw3 │  -.0375643   .0178112    -2.11   0.035    -.0724736    -.00265
  > 5
  ─────────────┼──────────────────────────────────────────────────────────────

  > ─
  LR test of model vs. saturated: chi2(72)  =     88.19, Prob > chi2 = 0.0944
2 .
3 . set linesize 78

4 . sem (cumdose1 -> cumdose2) (cumdose1 -> cumdose3) (cumdose1 -> fdferw1) (cum
  > dose2 -> cumdose3) (crhrw1 -> crhrw2) (crhrw1 -> crhrw3) (crhrw1 -> aborw1)
  > (crhrw1 -> fdferw1) (crhrw1 -> illw3) (crhrw2 -> crhrw3) (crhrw2 -> illw3) (
  > icdxcnt -> aborw1) (aborw1 -> crhrw2) (aborw1 -> fdferw3) (aborw2 -> crhrw2)
  >  (aborw2 -> icdxcnt) (aborw3 -> crhrw3) (fdferw1 -> crhrw2) (fdferw1 -> fdfe
  > rw2) (illw1 -> crhrw2) (illw1 -> icdxcnt) (illw2 -> crhrw2) (illw2 -> icdxcn
  > t) (illw2 -> illw3) (fdferw2 -> cumdose3) (fdferw2 -> icdxcnt) (fdferw2 -> f
  > dferw3) (illw3 -> cumdose3) (illw3 -> crhrw3) (illw3 -> icdxcnt) (illw3 -> f
  > dferw3) if gender==2, cov( e.crhrw3*e.crhrw2 e.fdferw1*e.fdferw3) nocapslate
  > nt
  (1 observations with missing values excluded;
   specify option 'method(mlmv)' to use all observations)

  Endogenous variables

  Observed:  cumdose2 cumdose3 fdferw1 crhrw2 crhrw3 aborw1 illw3 icdxcnt
             fdferw3 fdferw2

  Exogenous variables

  Observed:  cumdose1 crhrw1 aborw2 aborw3 illw1 illw2

  Fitting target model:

  Iteration 0:   log likelihood = -9926.1538  (not concave)
  Iteration 1:   log likelihood = -9711.3123
  Iteration 2:   log likelihood = -9578.8781
  Iteration 3:   log likelihood = -9556.3269
  Iteration 4:   log likelihood = -9552.4833
  Iteration 5:   log likelihood = -9550.4629
  Iteration 6:   log likelihood = -9550.3839
  Iteration 7:   log likelihood = -9550.3837

  Structural equation model                       Number of obs      =       362
  Estimation method  = ml
  Log likelihood     = -9550.3837
```

	OIM Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Structural						
cumdo~2 <-						
cumdose1	**2.188894**	**.0649526**	**33.70**	**0.000**	**2.061589**	**2.316199**
_cons	**.1613576**	**.0418234**	**3.86**	**0.000**	**.0793853**	**.2433299**
cumdo~3 <-						
cumdose2	**1.314717**	**.0221427**	**59.37**	**0.000**	**1.271318**	**1.358116**
illw3	**.0419176**	**.0130489**	**3.21**	**0.001**	**.0163424**	**.0674929**
fdferw2	**.0016627**	**.0005875**	**2.83**	**0.005**	**.0005112**	**.0028143**
cumdose1	**-.201453**	**.0554729**	**-3.63**	**0.000**	**-.3101778**	**-.0927282**
_cons	**.0366882**	**.020967**	**1.75**	**0.080**	**-.0044063**	**.0777827**
fdferw1 <-						
cumdose1	**8.753535**	**3.523999**	**2.48**	**0.013**	**1.846624**	**15.66045**
crhrw1	**6.059022**	**2.054354**	**2.95**	**0.003**	**2.032563**	**10.08548**
_cons	**33.6814**	**2.286827**	**14.73**	**0.000**	**29.1993**	**38.1635**
crhrw2 <-						
fdferw1	**.0034748**	**.0007769**	**4.47**	**0.000**	**.0019522**	**.0049974**
aborw1	**-.1068016**	**.0329075**	**-3.25**	**0.001**	**-.1712992**	**-.042304**
crhrw1	**.6594244**	**.0322813**	**20.43**	**0.000**	**.5961542**	**.7226945**
aborw2	**-.1003075**	**.0393379**	**-2.55**	**0.011**	**-.1774084**	**-.0232066**
illw1	**.2582233**	**.0603799**	**4.28**	**0.000**	**.1398808**	**.3765657**
illw2	**.2110993**	**.0338218**	**6.24**	**0.000**	**.1448097**	**.2773889**
_cons	**-.1179535**	**.0454289**	**-2.60**	**0.009**	**-.2069924**	**-.0289145**
crhrw3 <-						
crhrw2	**1.095005**	**.051542**	**21.24**	**0.000**	**.9939849**	**1.196026**
illw3	**.0706981**	**.0142521**	**4.96**	**0.000**	**.0427646**	**.0986316**
crhrw1	**-.1190519**	**.0379068**	**-3.14**	**0.002**	**-.1933479**	**-.0447559**
aborw3	**.0930538**	**.0341644**	**2.72**	**0.006**	**.0260927**	**.1600149**
_cons	**-.0619315**	**.0187248**	**-3.31**	**0.001**	**-.0986315**	**-.0252315**
aborw1 <-						
icdxcnt	**.0599619**	**.0201282**	**2.98**	**0.003**	**.0205113**	**.0994124**
crhrw1	**.1937856**	**.0491656**	**3.94**	**0.000**	**.0974228**	**.2901483**
_cons	**.0573689**	**.0796464**	**0.72**	**0.471**	**-.0987352**	**.2134731**
illw3 <-						
crhrw2	**.6326686**	**.0885617**	**7.14**	**0.000**	**.4590909**	**.8062462**
crhrw1	**-.7649751**	**.0799265**	**-9.57**	**0.000**	**-.9216281**	**-.6083221**
illw2	**.1856439**	**.0637737**	**2.91**	**0.004**	**.0606498**	**.310638**
_cons	**.6285453**	**.0585738**	**10.73**	**0.000**	**.5137428**	**.7433478**
icdxcnt <-						

illw3	.5447237	.102339	5.32	0.000	.3441429	.7453044
fdferw2	.0118556	.0044208	2.68	0.007	.003191	.0205202
aborw2	.4824779	.1549793	3.11	0.002	.1787241	.7862317
illw1	.4690125	.2310932	2.03	0.042	.0160781	.9219468
illw2	.2521321	.1344499	1.88	0.061	-.0113847	.515649
_cons	2.262121	.1607007	14.08	0.000	1.947153	2.577089
fdferw3 <-						
aborw1	1.886615	.8010501	2.36	0.019	.3165854	3.456644
illw3	-1.447259	.621503	-2.33	0.020	-2.665382	-.2291355
fdferw2	.7301559	.0324097	22.53	0.000	.6666342	.7936777
_cons	.5025388	1.008382	0.50	0.618	-1.473853	2.47893
fdferw2 <-						
fdferw1	.3398738	.0307564	11.05	0.000	.2795923	.4001552
_cons	2.493675	1.636532	1.52	0.128	-.7138674	5.701218
Variance						
e.cumdose2	.4605615	.0342333			.398124	.5327911
e.cumdose3	.0809005	.0060133			.0699329	.093588
e.fdferw1	1370.578	101.8784			1184.764	1585.534
e.crhrw2	.3111668	.0231746			.2689049	.3600707
e.crhrw3	.0774229	.0068501			.0650967	.0920832
e.aborw1	.7684275	.0571281			.6642339	.8889651
e.illw3	.9925255	.0737764			.8579662	1.148188
e.icdxcnt	4.529445	.3366919			3.915361	5.239842
e.fdferw3	188.6199	14.09157			162.9278	218.3634
e.fdferw2	489.7427	36.40229			423.3492	566.5488
Covariance						
e.fdferw1						
e.fdferw3	-62.16211	31.18092	-1.99	0.046	-123.2756	-1.048643
e.crhrw2						
e.crhrw3	-.0375643	.0178112	-2.11	0.035	-.0724736	-.002655

LR test of model vs. saturated: chi2(**72**) = **88.19**, Prob > chi2 = **0.0944**

```
5 . estat stable

  Stability analysis of simultaneous equation systems

     Eigenvalue stability condition
```

Eigenvalue	Modulus
.1532627 + .1532627*i*	.216746
.1532627 - .1532627*i*	.216746
-.1532627 + .1532627*i*	.216746
-.1532627 - .1532627*i*	.216746
-7.037e-07 + 1.219e-06*i*	1.4e-06
-7.037e-07 - 1.219e-06*i*	1.4e-06
1.407e-06	1.4e-06
1.547e-17	1.5e-17
0	0
0	0

```
     stability index =  .2167462
     All the eigenvalues lie inside the unit circle.
     SEM satisfies stability condition.

6 . estat gof
```

Fit statistic	Value	Description
Likelihood ratio		
chi2_ms(**72**)	**88.193**	model vs. saturated
p > chi2	**0.094**	
chi2_bs(**105**)	**3791.618**	baseline vs. saturated
p > chi2	**0.000**	

```
7 . sem (cumdose1 -> cumdose2) (cumdose1 -> cumdose3) (cumdose1 -> fdferw1) (cum
  > dose2 -> cumdose3) (crhrw1 -> crhrw2) (crhrw1 -> crhrw3) (crhrw1 -> aborw1)
  > (crhrw1 -> fdferw1) (crhrw1 -> illw3) (crhrw2 -> crhrw3) (crhrw2 -> illw3) (
  > icdxcnt -> aborw1) (aborw1 -> crhrw2) (aborw1 -> fdferw3) (aborw2 -> crhrw2)
  >  (aborw2 -> icdxcnt) (aborw3 -> crhrw3) (fdferw1 -> crhrw2) (fdferw1 -> fdfe
  > rw2) (illw1 -> crhrw2) (illw1 -> icdxcnt) (illw2 -> crhrw2) (illw2 -> icdxcn
  > t) (illw2 -> illw3) (fdferw2 -> cumdose3) (fdferw2 -> icdxcnt) (fdferw2 -> f
  > dferw3) (illw3 -> cumdose3) (illw3 -> crhrw3) (illw3 -> icdxcnt) (illw3 -> f
  > dferw3) if gender==2, vce(cluster id) cov( e.crhrw3*e.crhrw2 e.fdferw1*e.fdf
  > erw3) nocapslatent
  (1 observations with missing values excluded;
   specify option 'method(mlmv)' to use all observations)
```

Endogenous variables

Observed: **cumdose2 cumdose3 fdferw1 crhrw2 crhrw3 aborw1 illw3 icdxcnt fdferw3 fdferw2**

Exogenous variables

Observed: **cumdose1 crhrw1 aborw2 aborw3 illw1 illw2**

Fitting target model:

Iteration 0: log pseudolikelihood = **-9926.1538** (not concave)
Iteration 1: log pseudolikelihood = **-9711.3123**
Iteration 2: log pseudolikelihood = **-9578.8781**
Iteration 3: log pseudolikelihood = **-9556.3269**
Iteration 4: log pseudolikelihood = **-9552.4833**
Iteration 5: log pseudolikelihood = **-9550.4629**
Iteration 6: log pseudolikelihood = **-9550.3839**
Iteration 7: log pseudolikelihood = **-9550.3837**

Structural equation model Number of obs = **362**
Estimation method = **ml**
Log pseudolikelihood= **-9550.3837**

(Std. Err. adjusted for **362** clusters in id)

	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
Structural						
cumdo~2 <-						
cumdose1	**2.188894**	**.0836046**	**26.18**	**0.000**	**2.025032**	**2.352756**
_cons	**.1613576**	**.0418662**	**3.85**	**0.000**	**.0793013**	**.2434139**
cumdo~3 <-						
cumdose2	**1.314717**	**.1775052**	**7.41**	**0.000**	**.9668134**	**1.662621**
illw3	**.0419176**	**.0271581**	**1.54**	**0.123**	**-.0113112**	**.0951465**
fdferw2	**.0016627**	**.0007575**	**2.20**	**0.028**	**.0001781**	**.0031473**
cumdose1	**-.201453**	**.3961209**	**-0.51**	**0.611**	**-.9778356**	**.5749297**
_cons	**.0366882**	**.0245839**	**1.49**	**0.136**	**-.0114954**	**.0848718**
fdferw1 <-						
cumdose1	**8.753535**	**3.105798**	**2.82**	**0.005**	**2.666283**	**14.84079**
crhrw1	**6.059022**	**2.116446**	**2.86**	**0.004**	**1.910864**	**10.20718**
_cons	**33.6814**	**2.207483**	**15.26**	**0.000**	**29.35482**	**38.00799**
crhrw2 <-						
fdferw1	**.0034748**	**.0007847**	**4.43**	**0.000**	**.0019369**	**.0050127**
aborw1	**-.1068016**	**.0262047**	**-4.08**	**0.000**	**-.1581619**	**-.0554414**

crhrw1	.6594244	.0368569	17.89	0.000	.5871862	.7316625
aborw2	-.1003075	.0391308	-2.56	0.010	-.1770024	-.0236126
illw1	.2582233	.0592224	4.36	0.000	.1421494	.3742971
illw2	.2110993	.0600579	3.51	0.000	.093388	.3288106
_cons	-.1179535	.0483017	-2.44	0.015	-.212623	-.0232839
crhrw3 <-						
crhrw2	1.095005	.0639497	17.12	0.000	.9696664	1.220345
illw3	.0706981	.0178725	3.96	0.000	.0356687	.1057275
crhrw1	-.1190519	.0464989	-2.56	0.010	-.2101881	-.0279157
aborw3	.0930538	.0557219	1.67	0.095	-.0161591	.2022667
_cons	-.0619315	.0180385	-3.43	0.001	-.0972863	-.0265768
aborw1 <-						
icdxcnt	.0599619	.0231791	2.59	0.010	.0145318	.105392
crhrw1	.1937856	.0554688	3.49	0.000	.0850686	.3025025
_cons	.0573689	.0662457	0.87	0.386	-.0724703	.1872081
illw3 <-						
crhrw2	.6326686	.1148443	5.51	0.000	.4075778	.8577593
crhrw1	-.7649751	.1182343	-6.47	0.000	-.9967102	-.53324
illw2	.1856439	.0936275	1.98	0.047	.0021375	.3691503
_cons	.6285453	.0624615	10.06	0.000	.506123	.7509676
icdxcnt <-						
illw3	.5447237	.0694747	7.84	0.000	.4085558	.6808916
fdferw2	.0118556	.0051406	2.31	0.021	.0017802	.0219309
aborw2	.4824779	.1846312	2.61	0.009	.1206073	.8443485
illw1	.4690125	.1626082	2.88	0.004	.1503062	.7877188
illw2	.2521321	.1373089	1.84	0.066	-.0169884	.5212527
_cons	2.262121	.1429817	15.82	0.000	1.981882	2.54236
fdferw3 <-						
aborw1	1.886615	1.43568	1.31	0.189	-.9272665	4.700496
illw3	-1.447259	.5740939	-2.52	0.012	-2.572462	-.3220557
fdferw2	.7301559	.0550973	13.25	0.000	.6221671	.8381448
_cons	.5025388	.7441113	0.68	0.499	-.9558926	1.96097
fdferw2 <-						
fdferw1	.3398738	.0395434	8.59	0.000	.2623702	.4173774
_cons	2.493675	1.241377	2.01	0.045	.0606214	4.92673
Variance						
e.cumdose2	.4605615	.2559619			.1549614	1.368837
e.cumdose3	.0809005	.0308552			.0383094	.1708427
e.fdferw1	1370.578	68.32188			1243.003	1511.246
e.crhrw2	.3111668	.0355531			.2487353	.3892685
e.crhrw3	.0774229	.0124467			.0564974	.1060989
e.aborw1	.7684275	.3726294			.2970533	1.987794

e.illw3	.9925255	.1333542			.7627382	1.29154
e.icdxcnt	4.529445	.625145			3.455921	5.936441
e.fdferw3	188.6199	35.93188			129.8478	273.9936
e.fdferw2	489.7427	53.37772			395.5436	606.3755
Covariance						
e.fdferw1						
e.fdferw3	-62.16211	32.18787	-1.93	0.053	-125.2492	.9249499
e.crhrw2						
e.crhrw3	-.0375643	.0239735	-1.57	0.117	-.0845516	.0094229

```
8 .
9 . estat teffects, standardized
```

Direct effects

(Std. Err. adjusted for **362** clusters in id)

	Coef.	Robust Std. Err.	z	P>|z|	Std. Coef.
Structural					
cumdo~2 <-					
cumdose1	2.188894	.0836046	26.18	0.000	.8708001
cumdo~3 <-					
cumdose2	1.314717	.1775052	7.41	0.000	1.038299
fdferw1	0	(no path)			0
crhrw2	0	(no path)			0
aborw1	0	(no path)			0
illw3	.0419176	.0271581	1.54	0.123	.0278226
icdxcnt	0	(no path)			0
fdferw2	.0016627	.0007575	2.20	0.028	.0243433
cumdose1	-.201453	.3961209	-0.51	0.611	-.0632933
crhrw1	0	(no path)			0
aborw2	0	(no path)			0
illw1	0	(no path)			0
illw2	0	(no path)			0
fdferw1 <-					
cumdose1	8.753535	3.105798	2.82	0.005	.1271528
crhrw1	6.059022	2.116446	2.86	0.004	.1511972
crhrw2 <-					
fdferw1	.0034748	.0007847	4.43	0.000	.1515927
crhrw2	0	(no path)			0
aborw1	-.1068016	.0262047	-4.08	0.000	-.1111255
illw3	0	(no path)			0

icdxcnt	0	(no path)			0
fdferw2	0	(no path)			0
cumdose1	0	(no path)			0
crhrw1	.6594244	.0368569	17.89	0.000	.7178849
aborw2	-.1003075	.0391308	-2.56	0.010	-.0840425
illw1	.2582233	.0592224	4.36	0.000	.1480249
illw2	.2110993	.0600579	3.51	0.000	.2157106
crhrw3 <-					
fdferw1	0	(no path)			0
crhrw2	1.095005	.0639497	17.12	0.000	1.071873
aborw1	0	(no path)			0
illw3	.0706981	.0178725	3.96	0.000	.0926496
icdxcnt	0	(no path)			0
fdferw2	0	(no path)			0
cumdose1	0	(no path)			0
crhrw1	-.1190519	.0464989	-2.56	0.010	-.1268684
aborw2	0	(no path)			0
aborw3	.0930538	.0557219	1.67	0.095	.0439917
illw1	0	(no path)			0
illw2	0	(no path)			0
aborw1 <-					
fdferw1	0	(no path)			0
crhrw2	0	(no path)			0
aborw1	0	(no path)			0
illw3	0	(no path)			0
icdxcnt	.0599619	.0231791	2.59	0.010	.1538714
fdferw2	0	(no path)			0
cumdose1	0	(no path)			0
crhrw1	.1937856	.0554688	3.49	0.000	.2027567
aborw2	0	(no path)			0
illw1	0	(no path)			0
illw2	0	(no path)			0
illw3 <-					
fdferw1	0	(no path)			0
crhrw2	.6326686	.1148443	5.51	0.000	.4725716
aborw1	0	(no path)			0
illw3	0	(no path)			0
icdxcnt	0	(no path)			0
fdferw2	0	(no path)			0
cumdose1	0	(no path)			0
crhrw1	-.7649751	.1182343	-6.47	0.000	-.6220546
aborw2	0	(no path)			0
illw1	0	(no path)			0
illw2	.1856439	.0936275	1.98	0.047	.1416958
icdxcnt <-					

fdferw1	0	(no path)			0
crhrw2	0	(no path)			0
aborw1	0	(no path)			0
illw3	.5447237	.0694747	7.84	0.000	.2731281
icdxcnt	0	(no path)			0
fdferw2	.0118556	.0051406	2.31	0.021	.13112
cumdose1	0	(no path)			0
crhrw1	0	(no path)			0
aborw2	.4824779	.1846312	2.61	0.009	.1513996
illw1	.4690125	.1626082	2.88	0.004	.1006944
illw2	.2521321	.1373089	1.84	0.066	.0964927
fdferw3 <-					
fdferw1	0	(no path)			0
crhrw2	0	(no path)			0
aborw1	1.886615	1.43568	1.31	0.189	.074969
illw3	-1.447259	.5740939	-2.52	0.012	-.0739975
icdxcnt	0	(no path)			0
fdferw2	.7301559	.0550973	13.25	0.000	.8234611
cumdose1	0	(no path)			0
crhrw1	0	(no path)			0
aborw2	0	(no path)			0
illw1	0	(no path)			0
illw2	0	(no path)			0
fdferw2 <-					
fdferw1	.3398738	.0395434	8.59	0.000	.5021123
cumdose1	0	(no path)			0
crhrw1	0	(no path)			0

Indirect effects

(Std. Err. adjusted for **362** clusters in id)

	Coef.	Robust Std. Err.	z	P>|z|	Std. Coef.
Structural					
cumdo~2 <-					
cumdose1	0	(no path)			0
cumdo~3 <-					
cumdose2	0	(no path)			0
fdferw1	.0006564	.0000708	9.27	0.000	.0141971
crhrw2	.0264616	.0048034	5.51	0.000	.0131192
aborw1	-.0028261	.0006934	-4.08	0.000	-.0014579
illw3	-.0000923	.0000118	-7.84	0.000	-.0000613
icdxcnt	-.0001695	.0000655	-2.59	0.010	-.0002243

fdferw2	-2.01e-06	8.71e-07	-2.31	0.021	-.0000294
cumdose1	2.883522	.4074403	7.08	0.000	.905956
crhrw1	-.0111166	.0091448	-1.22	0.224	-.006
aborw2	-.0027361	.0021867	-1.25	0.211	-.0011365
illw1	.0067535	.004901	1.38	0.168	.0019194
illw2	.0133079	.0099226	1.34	0.180	.006742
fdferw1 <-					
cumdose1	0	(no path)			0
crhrw1	0	(no path)			0
crhrw2 <-					
fdferw1	-.0000334	3.60e-06	-9.27	0.000	-.0014571
crhrw2	-.0022022	.0003997	-5.51	0.000	-.0022022
aborw1	.0002352	.0000577	4.08	0.000	.0002447
illw3	-.0034807	.0004439	-7.84	0.000	-.0046599
icdxcnt	-.0063899	.0024701	-2.59	0.010	-.0170614
fdferw2	-.0000758	.0000328	-2.31	0.021	-.0022371
cumdose1	.0301244	.0129844	2.32	0.020	.0190902
crhrw1	.001411	.0117009	0.12	0.904	.0015361
aborw2	-.0028621	.0020782	-1.38	0.168	-.002398
illw1	-.0035656	.0022471	-1.59	0.113	-.002044
illw2	-.0027222	.0017641	-1.54	0.123	-.0027816
crhrw3 <-					
fdferw1	.0039223	.000892	4.40	0.000	.1674998
crhrw2	.0422186	.0076637	5.51	0.000	.0413267
aborw1	-.1214574	.0298006	-4.08	0.000	-.1237049
illw3	-.0039671	.000506	-7.84	0.000	-.0051989
icdxcnt	-.0072828	.0028153	-2.59	0.010	-.0190346
fdferw2	-.0000863	.0000374	-2.31	0.021	-.0024958
cumdose1	.0343338	.0149175	2.30	0.021	.0212981
crhrw1	.6990942	.0607879	11.50	0.000	.7449938
aborw2	-.1175859	.0439989	-2.67	0.008	-.096438
aborw3	0	(no path)			0
illw1	.290242	.0614378	4.72	0.000	.1628647
illw2	.2506192	.0695552	3.60	0.000	.2506837
aborw1 <-					
fdferw1	.0003127	.0000337	9.27	0.000	.0131122
crhrw2	.0206191	.0037429	5.51	0.000	.0198168
aborw1	-.0022022	.0005403	-4.08	0.000	-.0022022
illw3	.0325907	.0041567	7.84	0.000	.041934
icdxcnt	-.000132	.000051	-2.59	0.010	-.0003388
fdferw2	.0007093	.0003076	2.31	0.021	.0201312
cumdose1	.0027375	.0015074	1.82	0.069	.0016673
crhrw1	-.0098663	.0051401	-1.92	0.055	-.010323
aborw2	.0267983	.0170058	1.58	0.115	.0215793
illw1	.0333853	.017801	1.88	0.061	.0183933

illw2	.025488	.0144102	1.77	0.077	.0250313
illw3 <-					
fdferw1	.0021773	.0004952	4.40	0.000	.0709498
crhrw2	-.0013932	.0002529	-5.51	0.000	-.0010407
aborw1	-.0674212	.0165424	-4.08	0.000	-.0523991
illw3	-.0022022	.0002809	-7.84	0.000	-.0022022
icdxcnt	-.0040427	.0015628	-2.59	0.010	-.0080627
fdferw2	-.0000479	.0000208	-2.31	0.021	-.0010572
cumdose1	.0190588	.0087984	2.17	0.030	.0090215
crhrw1	.4180898	.0815523	5.13	0.000	.3399779
aborw2	-.0652722	.0273323	-2.39	0.017	-.0408494
illw1	.1611139	.0508709	3.17	0.002	.0689865
illw2	.1318337	.0396335	3.33	0.001	.1006242
icdxcnt <-					
fdferw1	.0052154	.0005628	9.27	0.000	.0852154
crhrw2	.3438706	.0624207	5.51	0.000	.1287883
aborw1	-.0367259	.009011	-4.08	0.000	-.0143117
illw3	-.0011996	.000153	-7.84	0.000	-.0006015
icdxcnt	-.0022022	.0008513	-2.59	0.010	-.0022022
fdferw2	-.0000261	.0000113	-2.31	0.021	-.0002887
cumdose1	.0456532	.0214625	2.13	0.033	.0108354
crhrw1	-.1645425	.0494464	-3.33	0.001	-.0670887
aborw2	-.0355553	.0162838	-2.18	0.029	-.0111571
illw1	.0877626	.0316495	2.77	0.006	.0188421
illw2	.1729375	.059496	2.91	0.004	.0661844
fdferw3 <-					
fdferw1	.2455998	.0288682	8.51	0.000	.4092029
crhrw2	-.8747185	.1587821	-5.51	0.000	-.0334065
aborw1	.0934213	.0229217	4.08	0.000	.0037123
illw3	.0646733	.0082485	7.84	0.000	.0033067
icdxcnt	.1187267	.0458954	2.59	0.010	.0121068
fdferw2	.0014076	.0006103	2.31	0.021	.0015874
cumdose1	2.149866	.819284	2.62	0.009	.0520313
crhrw1	2.35263	.6698573	3.51	0.000	.097815
aborw2	.1450239	.0713757	2.03	0.042	.0046405
illw1	-.1701884	.1326033	-1.28	0.199	-.0037259
illw2	-.4113862	.2384233	-1.73	0.084	-.0160545
fdferw2 <-					
fdferw1	0	(no path)			0
cumdose1	2.975097	1.08866	2.73	0.006	.063845
crhrw1	2.059303	.7588785	2.71	0.007	.075918

Total effects

(Std. Err. adjusted for **362** clusters in id)

	Coef.	Robust Std. Err.	z	P>|z|	Std. Coef.
Structural					
cumdo~2 <-					
cumdose1	**2.188894**	**.0836046**	**26.18**	**0.000**	**.8708001**
cumdo~3 <-					
cumdose2	**1.314717**	**.1775052**	**7.41**	**0.000**	**1.038299**
fdferw1	**.0006564**	**.0000708**	**9.27**	**0.000**	**.0141971**
crhrw2	**.0264616**	**.0048034**	**5.51**	**0.000**	**.0131192**
aborw1	**-.0028261**	**.0006934**	**-4.08**	**0.000**	**-.0014579**
illw3	**.0418253**	**.027157**	**1.54**	**0.124**	**.0277614**
icdxcnt	**-.0001695**	**.0000655**	**-2.59**	**0.010**	**-.0002243**
fdferw2	**.0016607**	**.0007575**	**2.19**	**0.028**	**.0243139**
cumdose1	**2.682069**	**.133684**	**20.06**	**0.000**	**.8426627**
crhrw1	**-.0111166**	**.0091448**	**-1.22**	**0.224**	**-.006**
aborw2	**-.0027361**	**.0021867**	**-1.25**	**0.211**	**-.0011365**
illw1	**.0067535**	**.004901**	**1.38**	**0.168**	**.0019194**
illw2	**.0133079**	**.0099226**	**1.34**	**0.180**	**.006742**
fdferw1 <-					
cumdose1	**8.753535**	**3.105798**	**2.82**	**0.005**	**.1271528**
crhrw1	**6.059022**	**2.116446**	**2.86**	**0.004**	**.1511972**
crhrw2 <-					
fdferw1	**.0034414**	**.0007826**	**4.40**	**0.000**	**.1501356**
crhrw2	**-.0022022**	**.0003997**	**-5.51**	**0.000**	**-.0022022**
aborw1	**-.1065664**	**.026147**	**-4.08**	**0.000**	**-.1108808**
illw3	**-.0034807**	**.0004439**	**-7.84**	**0.000**	**-.0046599**
icdxcnt	**-.0063899**	**.0024701**	**-2.59**	**0.010**	**-.0170614**
fdferw2	**-.0000758**	**.0000328**	**-2.31**	**0.021**	**-.0022371**
cumdose1	**.0301244**	**.0129844**	**2.32**	**0.020**	**.0190902**
crhrw1	**.6608354**	**.0368597**	**17.93**	**0.000**	**.719421**
aborw2	**-.1031696**	**.0387942**	**-2.66**	**0.008**	**-.0864406**
illw1	**.2546577**	**.0592399**	**4.30**	**0.000**	**.145981**
illw2	**.2083771**	**.0593754**	**3.51**	**0.000**	**.212929**
crhrw3 <-					
fdferw1	**.0039223**	**.000892**	**4.40**	**0.000**	**.1674998**
crhrw2	**1.137224**	**.0638878**	**17.80**	**0.000**	**1.1132**
aborw1	**-.1214574**	**.0298006**	**-4.08**	**0.000**	**-.1237049**
illw3	**.066731**	**.0178833**	**3.73**	**0.000**	**.0874507**
icdxcnt	**-.0072828**	**.0028153**	**-2.59**	**0.010**	**-.0190346**
fdferw2	**-.0000863**	**.0000374**	**-2.31**	**0.021**	**-.0024958**
cumdose1	**.0343338**	**.0149175**	**2.30**	**0.021**	**.0212981**

crhrw1	.5800423	.0415356	13.96	0.000	.6181254
aborw2	-.1175859	.0439989	-2.67	0.008	-.096438
aborw3	.0930538	.0557219	1.67	0.095	.0439917
illw1	.290242	.0614378	4.72	0.000	.1628647
illw2	.2506192	.0695552	3.60	0.000	.2506837
aborw1 <-					
fdferw1	.0003127	.0000337	9.27	0.000	.0131122
crhrw2	.0206191	.0037429	5.51	0.000	.0198168
aborw1	-.0022022	.0005403	-4.08	0.000	-.0022022
illw3	.0325907	.0041567	7.84	0.000	.041934
icdxcnt	.0598299	.023128	2.59	0.010	.1535325
fdferw2	.0007093	.0003076	2.31	0.021	.0201312
cumdose1	.0027375	.0015074	1.82	0.069	.0016673
crhrw1	.1839193	.0538744	3.41	0.001	.1924336
aborw2	.0267983	.0170058	1.58	0.115	.0215793
illw1	.0333853	.017801	1.88	0.061	.0183933
illw2	.025488	.0144102	1.77	0.077	.0250313
illw3 <-					
fdferw1	.0021773	.0004952	4.40	0.000	.0709498
crhrw2	.6312753	.1145914	5.51	0.000	.4715309
aborw1	-.0674212	.0165424	-4.08	0.000	-.0523991
illw3	-.0022022	.0002809	-7.84	0.000	-.0022022
icdxcnt	-.0040427	.0015628	-2.59	0.010	-.0080627
fdferw2	-.0000479	.0000208	-2.31	0.021	-.0010572
cumdose1	.0190588	.0087984	2.17	0.030	.0090215
crhrw1	-.3468853	.0686858	-5.05	0.000	-.2820767
aborw2	-.0652722	.0273323	-2.39	0.017	-.0408494
illw1	.1611139	.0508709	3.17	0.002	.0689865
illw2	.3174776	.1121736	2.83	0.005	.24232
icdxcnt <-					
fdferw1	.0052154	.0005628	9.27	0.000	.0852154
crhrw2	.3438706	.0624207	5.51	0.000	.1287883
aborw1	-.0367259	.009011	-4.08	0.000	-.0143117
illw3	.5435241	.0693217	7.84	0.000	.2725266
icdxcnt	-.0022022	.0008513	-2.59	0.010	-.0022022
fdferw2	.0118295	.0051293	2.31	0.021	.1308313
cumdose1	.0456532	.0214625	2.13	0.033	.0108354
crhrw1	-.1645425	.0494464	-3.33	0.001	-.0670887
aborw2	.4469226	.1863788	2.40	0.016	.1402425
illw1	.556775	.1686456	3.30	0.001	.1195365
illw2	.4250697	.179776	2.36	0.018	.1626771
fdferw3 <-					
fdferw1	.2455998	.0288682	8.51	0.000	.4092029
crhrw2	-.8747185	.1587821	-5.51	0.000	-.0334065
aborw1	1.980036	1.44713	1.37	0.171	.0786813

illw3	-1.382586	.5742217	-2.41	0.016	-.0706908
icdxcnt	.1187267	.0458954	2.59	0.010	.0121068
fdferw2	.7315635	.0550072	13.30	0.000	.8250485
cumdose1	2.149866	.819284	2.62	0.009	.0520313
crhrw1	2.35263	.6698573	3.51	0.000	.097815
aborw2	.1450239	.0713757	2.03	0.042	.0046405
illw1	-.1701884	.1326033	-1.28	0.199	-.0037259
illw2	-.4113862	.2384233	-1.73	0.084	-.0160545
fdferw2 <-					
fdferw1	.3398738	.0395434	8.59	0.000	.5021123
cumdose1	2.975097	1.08866	2.73	0.006	.063845
crhrw1	2.059303	.7588785	2.71	0.007	.075918

10 . estat framework
(model contains no latent variables)

Endogenous variables on endogenous variables

	observed				
Beta	cumdose2	cumdose3	fdferw1	crhrw2	crhrw3
observed					
cumdose2	0	0	0	0	0
cumdose3	1.314717	0	0	0	0
fdferw1	0	0	0	0	0
crhrw2	0	0	.0034748	0	0
crhrw3	0	0	0	1.095005	0
aborw1	0	0	0	0	0
illw3	0	0	0	.6326686	0
icdxcnt	0	0	0	0	0
fdferw3	0	0	0	0	0
fdferw2	0	0	.3398738	0	0

	observed				
Beta	aborw1	illw3	icdxcnt	fdferw3	fdferw2
observed					
cumdose2	0	0	0	0	0
cumdose3	0	.0419176	0	0	.0016627
fdferw1	0	0	0	0	0
crhrw2	-.1068016	0	0	0	0
crhrw3	0	.0706981	0	0	0
aborw1	0	0	.0599619	0	0
illw3	0	0	0	0	0
icdxcnt	0	.5447237	0	0	.0118556
fdferw3	1.886615	-1.447259	0	0	.7301559

fdferw2	**0**	**0**	**0**	**0**	**0**

Exogenous variables on endogenous variables

	observed				
Gamma	cumdose1	crhrw1	aborw2	aborw3	illw1
observed					
cumdose2	**2.188894**	**0**	**0**	**0**	**0**
cumdose3	**-.201453**	**0**	**0**	**0**	**0**
fdferw1	**8.753535**	**6.059022**	**0**	**0**	**0**
crhrw2	**0**	**.6594244**	**-.1003075**	**0**	**.2582233**
crhrw3	**0**	**-.1190519**	**0**	**.0930538**	**0**
aborw1	**0**	**.1937856**	**0**	**0**	**0**
illw3	**0**	**-.7649751**	**0**	**0**	**0**
icdxcnt	**0**	**0**	**.4824779**	**0**	**.4690125**
fdferw3	**0**	**0**	**0**	**0**	**0**
fdferw2	**0**	**0**	**0**	**0**	**0**

	observed
Gamma	illw2
observed	
cumdose2	**0**
cumdose3	**0**
fdferw1	**0**
crhrw2	**.2110993**
crhrw3	**0**
aborw1	**0**
illw3	**.1856439**
icdxcnt	**.2521321**
fdferw3	**0**
fdferw2	**0**

Covariances of error variables

Psi	observed e.cumdo~2	e.cumdo~3	e.fdferw1	e.crhrw2	e.crhrw3
observed					
e.cumdose2	**.4605615**				
e.cumdose3	**0**	**.0809005**			
e.fdferw1	**0**	**0**	**1370.578**		
e.crhrw2	**0**	**0**	**0**	**.3111668**	
e.crhrw3	**0**	**0**	**0**	**-.0375643**	**.0774229**
e.aborw1	**0**	**0**	**0**	**0**	**0**
e.illw3	**0**	**0**	**0**	**0**	**0**
e.icdxcnt	**0**	**0**	**0**	**0**	**0**
e.fdferw3	**0**	**0**	**-62.16211**	**0**	**0**
e.fdferw2	**0**	**0**	**0**	**0**	**0**

Psi	observed e.aborw1	e.illw3	e.icdxcnt	e.fdferw3	e.fdferw2
observed					
e.aborw1	**.7684275**				
e.illw3	**0**	**.9925255**			
e.icdxcnt	**0**	**0**	**4.529445**		
e.fdferw3	**0**	**0**	**0**	**188.6199**	
e.fdferw2	**0**	**0**	**0**	**0**	**489.7427**

Intercepts of endogenous variables

alpha	observed cumdose2	cumdose3	fdferw1	crhrw2	crhrw3
_cons	**.1613576**	**.0366882**	**33.6814**	**-.1179535**	**-.0619315**

alpha	observed aborw1	illw3	icdxcnt	fdferw3	fdferw2
_cons	**.0573689**	**.6285453**	**2.262121**	**.5025388**	**2.493675**

Covariances of exogenous variables

Phi	observed cumdose1	crhrw1	aborw2	aborw3	illw1
observed					
cumdose1	**.3015684**				
crhrw1	**.0270316**	**.8899862**			
aborw2	**-.0040643**	**.0052761**	**.5271512**		
aborw3	**-.0187499**	**.0155838**	**.0292268**	**.1751549**	
illw1	**.0196421**	**-.0637295**	**-.0022893**	**-.0029837**	**.2467644**
illw2	**.0753685**	**-.0603436**	**.0053417**	**-.0211227**	**.0747688**

Phi	observed illw2
observed	
illw2	**.784103**

Means of exogenous variables

kappa	observed cumdose1	crhrw1	aborw2	aborw3	illw1
mean	**.336224**	**.1330888**	**.320442**	**.1243094**	**.179558**

kappa	observed illw2
mean	**.4143646**