```
 1 .
 2 . * hypothesis 1 female WHPpain analysis
 3 .
 4 . *       basis functions
 5 . cap gen bfffpain2 = max(0, 23 - BSIsoma)

 6 . label var bfffpain2 "max(0, 23 - BSIsoma) "

 7 .
 8 .  cap gen bfffpain3 = max(0, hospw3 - 1.57823e-007)

 9 .  label var bfffpain3 " max(0, hospw3 - 1.57823e-007) "

10 .
11 .  cap gen bfffpain4 = max(0, occ3w2 + 2.13147e-009)

12 .  label var bfffpain4 "max(0, occ3w2 + 2.13147e-009)"

13 .
14 .
15 .  cap gen bfffpain5 = max(0, shhlw1 - 30)

16 .  label var bfffpain5 "max(0, shhlw1 -30)"

17 .
18 .
19 .
20 .  cap gen bfffpain6 = max(0, 30 - shhlw1)

21 .  label var bfffpain6 "max(0, 30-shhlw1)"

22 .
23 .  cap gen bfffpain7 = max(0, inc1w3 - 7.3627e-009) * bfffpain5

24 . label var bfffpain7 " max(0, inc1w3 - 7.3627e-009) * bfffpain5"

25 .
```

```
26 .
27 .
28 . cap gen bfffpain8 = max(0, BSIsoma - 13)

29 . label var bfffpain8 "max(0, BSIsoma - 13)"

30 .
31 . cap gen bfffpain9 = max(0, 13 - BSIsoma)

32 . label var bfffpain9 "max(0, 13-BSIsoma)"

33 .
34 .
35 .
36 .
37 .  cap gen bfffpain11 = max(0, 80 - radw2) * bfffpain8

38 .  label var bfffpain11 "max(0, 80- radw2)*bfffpain8 female pain series"

39 .
40 .  cap gen bfffpain12 = max(0, physdisagw3 - 10) * bfffpain9

41 .  label var bfffpain12 " max(0, physdisagw3 - 10) * bfffpain9 "

42 .
43 .  cap gen bfffpain13 = max(0, 10 - physdisagw3) * bfffpain9

44 .  label var bfffpain13 "max(0, 10 - physdisagw3) * bfffpain9"

45 .
46 .
47 .
48 .   cap gen bfffpain14 = max(0, havmil - 112.275) * bfffpain11

49 .   label var bfffpain14 " max(0, havmil - 112.275) * bfffpain11 "

50 .
```

```
51 .
52 .  cap gen bfffpain15 = max(0, 112.275 - havmil) * bfffpain11

53 .  label var bfffpain15 " max(0, 112.275 - havmil) * bfffpain11 "

54 .
55 .
56 .
57 . cap gen bfffpain16 = max(0, painmedspw3 - 4.33161e-008) * bfffpain3

58 . label var bfffpain16 " max(0, painmedspw3 - 4.33161e-008) * bfffpain3 "

59 .
60 .
61 . cap gen bfffpain17 = max(0, defnw2 - 90) * bfffpain4

62 . label var bfffpain17 "max(0, defnw2 - 90)* bfffpain4"

63 .
64 . cap gen bfffpain19 = (CSprbslv != . ) * bfffpain15

65 . label var bfffpain19  " (CSprbslv != . ) * bfffpain15 "

66 .
67 .
68 . cap gen bfffpain21 = max(0, CSprbslv - 29) * bfffpain19

69 . label var bfffpain21 "max(0, CSprbslv - 29) * bfffpain19"

70 .
71 .
72 .
73 . cap gen bfffpain22 = max(0, 29 - CSprbslv) * bfffpain19

74 . label var bfffpain22 "max(0, 29-CSprbslv)*bfffpain19"

75 .
```

```
 76 . cap gen bfffpain23 = max(0, shrelaw1 - 10) * bfffpain16

 77 . label var bfffpain23 "max(0, shrelaw1 - 10)*bfffpain16

 78 .
 79 . cap gen bfffpain24 = max(0, 10 - shrelaw1) * bfffpain16

 80 . label var bfffpain24 "max(0, 10-shrelaw1)*bfffpain16"

 81 .
 82 . cap gen bfffpain25 = max(0, suchrw2 - 2.24572e-006) * bfffpain23

 83 . label var bfffpain25 "max(0, suchrw2 - 2.24572e-006) * bfffpain23 "

 84 .
 85 .
 86 .
 87 .
 88 . cap gen bfffpain26=  max(0, neiw3 - 80) * bfffpain24

 89 . label var bfffpain26 "max(0, neiw3 - 80) * bfffpain24"

 90 .
 91 .
 92 .
 93 . cap gen bfffpain27 = max(0, 80 - neiw3) * bfffpain24

 94 . label var bfffpain27 "max((0, 80 - neiw3) * bfffpain24 )"

 95 .
 96 .
 97 . cap gen bfffpain28 = max(0, age - 28) * bfffpain22

 98 . label var bfffpain28 "max(0, age - 28)*bfffpain22"

 99 .
100 .
```

```
101 .
102 . cap gen bfffpain29 = (medcow3 != . ) * bfffpain4

103 . label var bfffpain29 "(medcow3 != .)* bfffpain4"

104 .
105 .
106 . cap gen bfffpain32 = max(0, 3 - medcow3) * bfffpain29

107 . label var bfffpain32 "max(0, 3- medcow3) * bfffpain29"

108 .
109 .
110 .
111 . cap gen bfffpain33 = max(0, PTSDw3 + 3.81914e-008) * bfffpain32

112 . label var bfffpain33 " max(0, PTSDw3 + 3.81914e-008) * bfffpain32"

113 .
114 . cap gen bfffpain34 = max(0, occ4w3 - 9.59584e-010) * bfffpain3

115 . label var bfffpain34 " max(0, occ4w3 - 9.59584e-010) * bfffpain3 "

116 .
117 .
118 .
119 .
120 . /*
    >
    >  y = 31.796 - 1.89477 * bf2 + 0.144911 * bf3 + 11.1203 * bf4
    >             - 0.094477 * bf5 - 0.3146 * bf6 + 0.188845 * bf7
    >             + 0.0503569 * bf11 + 0.118374 * bf12 + 0.13475 * bf13
    >             - 0.000402498 * bf14 - 0.000420239 * bf15
    >             + 0.077665 * bf16 + 1.57704 * bf17
    >             - 0.000272845 * bf21 - 0.000156722 * bf22
    >             - 0.00252184 * bf23 + 4.90027e-005 * bf25
    >             - 0.000723325 * bf26 - 0.000113342 * bf27
    >             + 5.25393e-006 * bf28 - 9.36635 * bf32
    >             + 0.514852 * bf33 + 2.82947 * bf34
    >
    >  model whppain = bf2 bf3 bf4 bf5 bf6 bf7 bf11 bf12 bf13 bf14 bf15
    >                  bf16 bf17 bf21 bf22 bf23 bf25 bf26 bf27 bf28 bf32
    >                  bf33 bf34
    > */
```

```
121 .
122 .
123 . //  wave 1 possible socio-demog covariates full Female model
124 . regress WHPpain age educ2-educ7 marrw11-marrw13 marrw15 childw1 ///
    >   emplw12-emplw16 occ1w1-occ8w1 inc1w1-inc4w1 avgcumdosew1 if gender==2, vce
    > (cluster id)

Linear regression                               Number of obs =     361
                                                F( 28,   360) =       .
                                                Prob > F      =       .
                                                R-squared     =  0.2824
                                                Root MSE      =  19.789

                                   (Std. Err. adjusted for 361 clusters in id)
------------------------------------------------------------------------------
             |               Robust
     WHPpain |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
         age |    .537444   .1633407     3.29   0.001     .2162222    .8586657
       educ2 |   21.92515   7.073807     3.10   0.002      8.01398    35.83633
       educ3 |   15.09003   5.736685     2.63   0.009     3.808409    26.37166
       educ4 |   13.99178   7.881628     1.78   0.077    -1.508036     29.4916
       educ5 |    5.90552   5.804876     1.02   0.310    -5.510207    17.32125
       educ6 |   4.595254   5.590093     0.82   0.412    -6.398087    15.58859
       educ7 |  -3.585818   8.563064    -0.42   0.676    -20.42573    13.25409
     marrw11 |  -8.918784   6.847712    -1.30   0.194    -22.38533    4.547758
     marrw12 |  -1.958642   14.25906    -0.14   0.891    -30.00015    26.08287
     marrw13 |  -11.65534   7.345918    -1.59   0.113    -26.10164    2.790961
     marrw15 |  -18.26463   10.45948    -1.75   0.082    -38.83399    2.304732
     childw1 |   2.123843   2.085884     1.02   0.309    -1.978206    6.225891
     emplw12 |   4.296345   5.928944     0.72   0.469     -7.36337    15.95606
     emplw13 |  -3.283768   5.903416    -0.56   0.578    -14.89328    8.325745
     emplw14 |   2.304267   5.586697     0.41   0.680    -8.682395    13.29093
     emplw15 |  -4.537654   14.64111    -0.31   0.757    -33.33051     24.2552
     emplw16 |    4.29979   6.111974     0.70   0.482    -7.719868    16.31945
      occ1w1 |   15.71086   12.64648     1.24   0.215    -9.159399    40.58112
      occ2w1 |   21.05361   13.08106     1.61   0.108     -4.67129     46.7785
      occ3w1 |   20.43142    13.1903     1.55   0.122      -5.5083    46.37115
      occ4w1 |   16.80658   13.15824     1.28   0.202    -9.070091    42.68326
      occ5w1 |   22.07369    14.6111     1.51   0.132    -6.660136    50.80752
      occ6w1 |   10.35101   14.40774     0.72   0.473    -17.98289    38.68491
      occ7w1 |   20.00342   16.14399     1.24   0.216    -11.74496     51.7518
      occ8w1 |   18.30226   12.34146     1.48   0.139    -5.968158    42.57268
      inc1w1 |  -12.08317   12.15085    -0.99   0.321    -35.97874     11.8124
      inc2w1 |  -14.70769   12.00904    -1.22   0.221    -38.32438    8.908999
      inc3w1 |  -11.05238   12.48713    -0.89   0.377    -35.60926     13.5045
      inc4w1 |  -9.922959   13.46885    -0.74   0.462    -36.41047    16.56455
avgcumdosew1 |   4.981513   2.613482     1.91   0.057    -.1580964    10.12112
       _cons |   -20.7401   11.78019    -1.76   0.079    -43.90672    2.426528
------------------------------------------------------------------------------
```

```
-------------+------------------------------------------------------------------

125 .
126 . local hyp = 1

127 . local pt = 1

128 . local wv = 1

129 .
130 . scalar hyp=1

131 . scalar pt=1

132 . scalar wv =1

133 . scalar dsigfw1 = 0

134 .
135 . // we do not count constant as a main effect
136 . matrix define H1p1FPnDosew1 = J(1,12,0)

137 . matrix  colnames H1p1FPnDosew1 = hypnum ptnum wv dsigfw1 dsigtw1 numMainEffs
    > igFw1 numMainEffsigTw1 numModFw1 numModTw1 numbfsigfw1 numbfsigtw1 numMedw1

138 . matrix  rownames H1p1FPnDosew1 = wave1

139 . matlist H1p1FPnDosew1

             |    hypnum      ptnum          wv    dsigfw1    dsigtw1  numMain~
    > 1  numMain~1  numModFw1  numModTw1  numbfsi~1  numbfsi~1   numMedw1
-------------+------------------------------------------------------------------
    > -------------------------------------------------------------------------
       wave1 |         0          0          0          0          0
    > 0          0          0          0          0          0          0

140 .
```

```
141 .
142 . set more off

143 . des WHPpain age educ2-educ7 marrw11-marrw13 marrw15 childw1 ///
    >   emplw12-emplw16 occ1w1-occ8w1 inc1w1-inc4w1 radhlw1 radchw1 ///
    >   radtlw1 havmil bfffpain2-bfffpain34

              storage  display     value
variable name   type   format      label      variable label
------------------------------------------------------------------------------
WHPpain         double %9.0g                  Wtd Health Profile Pain Pt 1
                                                subscale
age             byte   %8.0g                * Respondent's age
educ2           byte   %8.0g                  educ==2. graduated high school
educ3           byte   %8.0g                  educ==3. technical degree
educ4           byte   %8.0g                  educ==4. did not finish
                                                college/bachelor's
educ5           byte   %8.0g                  educ==5. graduated
                                                college/bachelor's
educ6           byte   %8.0g                  educ==6. finished
                                                specialist/master's degree
educ7           byte   %8.0g                  educ==7. doctor of science/phd
marrw11         byte   %8.0g                  marrw1==1. single
marrw12         byte   %8.0g                  marrw1==2. cohabitating
marrw13         byte   %8.0g                  marrw1==3. married
marrw15         byte   %8.0g                  marrw1==5. divorced
childw1         byte   %8.0g                  number of children in 1986
emplw12         byte   %8.0g                  emplw1==1. full time
emplw13         byte   %8.0g                  emplw1==2. part time
emplw14         byte   %8.0g                  emplw1==3. voluntary
emplw15         byte   %8.0g                  emplw1==4. retired
emplw16         byte   %8.0g                  emplw1==5. unemployed
occ1w1          byte   %15.0g      LABJ       profess executive administration
                                                in 1986
occ2w1          byte   %15.0g      LABJ       technical sales admin support in
                                                1986
occ3w1          byte   %15.0g      LABJ       service occup protective
                                                services in 1986
occ4w1          byte   %15.0g      LABJ       precision prod mechan craft
                                                construction in 1986
occ5w1          byte   %15.0g      LABJ       factory laborer machinist transp
                                                cleaner in 1986
occ6w1          byte   %15.0g      LABJ       farming agricul forestry fishing
                                                trapping logging in 1986
occ7w1          byte   %15.0g      LABJ       homemaking or caregiving in 1986
occ8w1          byte   %15.0g      LABJ       student in 1986
inc1w1          byte   %15.0g      LABJ       Income is not sufficient for
                                                basic neccessities in 1986
inc2w1          byte   %15.0g      LABJ       Income is just sufficient for
```

				basic neccessities in 1986
inc3w1	byte	%15.0g	LABJ	Income is sufficient for basics plus extra purchases/savings in 1986
inc4w1	byte	%15.0g	LABJ	Income allows to comfortably afford luxury items in 1986
radhlw1	byte	%8.0g		Self-perceived Chornobyl health threat in wave 1
radchw1	byte	%8.0g		believed % of polution related to chornobyl in 1986
radtlw1	byte	%8.0g		believed % of cumulative radiation exposed to in a lifetime in 1986
havmil	double	%9.0g		Distance from Chornobyl in miles
bfffpain2	float	%9.0g		max(0, 23 - BSIsoma)
bfffpain3	float	%9.0g		max(0, hospw3 - 1.57823e-007)
bfffpain4	float	%9.0g		max(0, occ3w2 + 2.13147e-009)
bfffpain5	float	%9.0g		max(0, shhlw1 -30)
bfffpain6	float	%9.0g		max(0, 30-shhlw1)
bfffpain7	float	%9.0g		max(0, inc1w3 - 7.3627e-009) * bfffpain5
bfffpain8	float	%9.0g		max(0, BSIsoma - 13)
bfffpain9	float	%9.0g		max(0, 13-BSIsoma)
bfffpain11	float	%9.0g		max(0, 80- radw2)*bfffpain8 female pain series
bfffpain12	float	%9.0g		max(0, physdisagw3 - 10) * bfffpain9
bfffpain13	float	%9.0g		max(0, 10 - physdisagw3) * bfffpain9
bfffpain14	float	%9.0g		max(0, havmil - 112.275) * bfffpain11
bfffpain15	float	%9.0g		max(0, 112.275 - havmil) * bfffpain11
bfffpain16	float	%9.0g		max(0, painmedspw3 - 4.33161e-008) * bfffpain3
bfffpain17	float	%9.0g		max(0, defnw2 - 90)* bfffpain4
bfffpain19	float	%9.0g		(CSprbslv != .) * bfffpain15
bfffpain21	float	%9.0g		max(0, CSprbslv - 29) * bfffpain19
bfffpain22	float	%9.0g		max(0, 29-CSprbslv)*bfffpain19
bfffpain23	float	%9.0g		max(0, shrelaw1 - 10)*bfffpain16
bfffpain24	float	%9.0g		max(0, 10-shrelaw1)*bfffpain16
bfffpain25	float	%9.0g		max(0, suchrw2 - 2.24572e-006) * bfffpain23
bfffpain26	float	%9.0g		max(0, neiw3 - 80) * bfffpain24
bfffpain27	float	%9.0g		max((0, 80 - neiw3) * bfffpain24)
bfffpain28	float	%9.0g		max(0, age - 28)*bfffpain22
bfffpain29	float	%9.0g		(medcow3 != .)* bfffpain4

```
bfffpain32      float  %9.0g                 max(0, 3- medcow3) * bfffpain29
bfffpain33      float  %9.0g                  max(0, PTSDw3 + 3.81914e-008) *
                                               bfffpain32
bfffpain34      float  %9.0g                  max(0, occ4w3 - 9.59584e-010) *
                                               bfffpain3

144 .
145 . set more off

146 . regress WHPpain age educ2-educ7 marrw11-marrw13 marrw15 childw1 ///
    >   emplw12-emplw16 occ1w1-occ8w1 inc1w1-inc4w1 radhlw1 radchw1 ///
    >   radtlw1 havmil bfffpain2 bfffpain5 bfffpain8 bfffpain9 bfffpain19 ///
    >   bfffpain23 bfffpain24 bfffpain34 avgcumdosew1 if gender==2, vce(cluster id
    > )

Linear regression                               Number of obs =     360
                                                F( 40,   359) =       .
                                                Prob > F      =       .
                                                R-squared     =  0.5401
                                                Root MSE      =  16.149

                                   (Std. Err. adjusted for 360 clusters in id)
------------------------------------------------------------------------------
             |               Robust
     WHPpain |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
         age |   .2539292   .1509908     1.68   0.093    -.0430083    .5508667
       educ2 |   19.67227    5.96572     3.30   0.001     7.940124    31.40442
       educ3 |   14.71946   5.285104     2.79   0.006     4.325811    25.11312
       educ4 |   16.58651   6.893866     2.41   0.017     3.029076    30.14395
       educ5 |    10.2256    5.23379     1.95   0.052     -.067142    20.51834
       educ6 |   9.323789   5.187485     1.80   0.073    -.8778881    19.52547
       educ7 |  -.0287014   8.297594    -0.00   0.997     -16.3467     16.2893
     marrw11 |  -2.381092   5.037066    -0.47   0.637    -12.28695    7.524771
     marrw12 |   2.337756   12.48467     0.19   0.852    -22.21453    26.89004
     marrw13 |  -6.931572   5.460167    -1.27   0.205     -17.6695    3.806361
     marrw15 |  -14.49278   7.076702    -2.05   0.041    -28.40978   -.5757781
     childw1 |    1.59913   1.791435     0.89   0.373    -1.923896    5.122155
     emplw12 |  -1.809486   4.871335    -0.37   0.711    -11.38942    7.770451
     emplw13 |  -8.902873   4.989581    -1.78   0.075    -18.71535    .9096072
     emplw14 |  -5.521865   5.490343    -1.01   0.315    -16.31914     5.27541
     emplw15 |   .5065772   10.27843     0.05   0.961    -19.70691    20.72007
     emplw16 |  -3.015676    5.08059    -0.59   0.553    -13.00713    6.975782
      occ1w1 |   8.045109   12.15217     0.66   0.508    -15.85327    31.94348
      occ2w1 |   12.90945    12.5173     1.03   0.303    -11.70698    37.52589
      occ3w1 |   14.78797   12.55803     1.18   0.240    -9.908569    39.48452
      occ4w1 |   7.488842   12.95096     0.58   0.563    -17.98043    32.95811
      occ5w1 |   7.703611    12.9526     0.59   0.552    -17.76889    33.17611
      occ6w1 |   9.520528   13.27121     0.72   0.474    -16.57856    35.61961
```

occ7w1	12.75732	14.04248	0.91	0.364	-14.85854	40.37317
occ8w1	11.22932	12.26186	0.92	0.360	-12.88479	35.34343
inc1w1	-4.743502	11.41398	-0.42	0.678	-27.19016	17.70316
inc2w1	-5.214478	11.4206	-0.46	0.648	-27.67417	17.24521
inc3w1	-2.34582	11.77112	-0.20	0.842	-25.49484	20.8032
inc4w1	-.6139275	12.4463	-0.05	0.961	-25.09074	23.86289
radhlw1	-.0098396	.0305349	-0.32	0.747	-.0698893	.0502102
radchw1	.0014346	.0296976	0.05	0.961	-.0569685	.0598378
radtlw1	.0027195	.0299331	0.09	0.928	-.0561469	.0615858
havmil	.0022644	.0019723	1.15	0.252	-.0016143	.006143
bfffpain2	-2.345164	1.2533	-1.87	0.062	-4.809897	.1195685
bfffpain5	.0162578	.0406429	0.40	0.689	-.0636703	.0961859
bfffpain8	.7175689	1.106425	0.65	0.517	-1.458319	2.893457
bfffpain9	1.457033	1.396617	1.04	0.298	-1.289545	4.203612
bfffpain19	-.0000122	.0000849	-0.14	0.886	-.0001791	.0001547
bfffpain23	.0004803	.0003397	1.41	0.158	-.0001877	.0011483
bfffpain24	.0024684	.002253	1.10	0.274	-.0019624	.0068992
bfffpain34	3.187072	.3177693	10.03	0.000	2.562149	3.811995
avgcumdosew1	2.899549	2.159226	1.34	0.180	-1.346772	7.14587
_cons	8.965248	17.20189	0.52	0.603	-24.86388	42.79438

```
147 .
148 .  scalar fw1 = e(r2_a)

149 .  scalar list fw1
          fw1 =  .47914642

150 .  scalar dsigfw1 = 0

151 .  scalar numMainEffsigFw1=5

152 .  scalar numbfsigfw1 = 1

153 .
154 .
155 . // wave 1 trimmed model of possible socio-demog covariates Female model
```

```
156 . set more off

157 . sw, pr(.05):  regress WHPpain age educ2-educ7 marrw11-marrw13 marrw15 childw
    > 1 ///
    >   emplw12-emplw16 occ1w1-occ8w1 inc1w1-inc4w1 if gender==2
                          begin with full model
    p = 0.8985 >= 0.0500  removing emplw14
    p = 0.8867 >= 0.0500  removing marrw12
    p = 0.8511 >= 0.0500  removing educ7
    p = 0.7490 >= 0.0500  removing emplw13
    p = 0.7606 >= 0.0500  removing emplw15
    p = 0.5384 >= 0.0500  removing educ6
    p = 0.5951 >= 0.0500  removing educ5
    p = 0.2985 >= 0.0500  removing inc4w1
    p = 0.5017 >= 0.0500  removing occ6w1
    p = 0.6481 >= 0.0500  removing inc3w1
    p = 0.5100 >= 0.0500  removing inc1w1
    p = 0.3002 >= 0.0500  removing occ4w1
    p = 0.2731 >= 0.0500  removing marrw11
    p = 0.3848 >= 0.0500  removing occ8w1
    p = 0.3202 >= 0.0500  removing occ1w1
    p = 0.3089 >= 0.0500  removing occ5w1
    p = 0.2255 >= 0.0500  removing inc2w1
    p = 0.2039 >= 0.0500  removing occ7w1
    p = 0.2267 >= 0.0500  removing occ3w1
    p = 0.1844 >= 0.0500  removing marrw15
    p = 0.2537 >= 0.0500  removing marrw13
    p = 0.3586 >= 0.0500  removing childw1
    p = 0.2641 >= 0.0500  removing occ2w1
    p = 0.1158 >= 0.0500  removing emplw12
    p = 0.4632 >= 0.0500  removing emplw16
```

Source	SS	df	MS
Model	40258.8288	4	10064.7072
Residual	139815.514	356	392.740207
Total	180074.343	360	500.206507

Number of obs	361
F(4, 356)	25.63
Prob > F	0.0000
R-squared	0.2236
Adj R-squared	0.2148
Root MSE	19.818

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.6009379	.0928972	6.47	0.000	.4182416	.7836342
educ2	18.3444	4.4355	4.14	0.000	9.62132	27.06747
educ3	11.01843	2.296425	4.80	0.000	6.50217	15.5347
educ4	10.01152	4.30794	2.32	0.021	1.539308	18.48373
_cons	-18.00078	4.702862	-3.83	0.000	-27.24967	-8.751901

```
158 . set more off

159 . sw, pr(.05): regress WHPpain age educ2-educ7 marrw11-marrw13 marrw15 childw1
    >  ///
    >   emplw12-emplw16 occ1w1-occ8w1 inc1w1-inc4w1 radhlw1 radchw1 ///
    >   radtlw1 illw1 havmil if gender==2
                          begin with full model
    p = 0.8888 >= 0.0500  removing radchw1
    p = 0.8781 >= 0.0500  removing emplw13
    p = 0.8527 >= 0.0500  removing havmil
    p = 0.8472 >= 0.0500  removing educ6
    p = 0.7703 >= 0.0500  removing emplw15
    p = 0.7081 >= 0.0500  removing educ5
    p = 0.6767 >= 0.0500  removing marrw12
    p = 0.6708 >= 0.0500  removing emplw14
    p = 0.4639 >= 0.0500  removing educ7
    p = 0.4319 >= 0.0500  removing inc4w1
    p = 0.6274 >= 0.0500  removing occ6w1
    p = 0.5628 >= 0.0500  removing inc3w1
    p = 0.5060 >= 0.0500  removing inc1w1
    p = 0.3686 >= 0.0500  removing occ4w1
    p = 0.3260 >= 0.0500  removing inc2w1
    p = 0.3928 >= 0.0500  removing occ8w1
    p = 0.4978 >= 0.0500  removing occ1w1
    p = 0.4614 >= 0.0500  removing occ5w1
    p = 0.3141 >= 0.0500  removing marrw11
    p = 0.2046 >= 0.0500  removing occ3w1
    p = 0.1892 >= 0.0500  removing childw1
    p = 0.2156 >= 0.0500  removing occ2w1
    p = 0.2624 >= 0.0500  removing marrw15
    p = 0.3674 >= 0.0500  removing marrw13
    p = 0.2243 >= 0.0500  removing occ7w1
    p = 0.1594 >= 0.0500  removing emplw16
    p = 0.4961 >= 0.0500  removing emplw12
    p = 0.1637 >= 0.0500  removing radhlw1
    p = 0.0585 >= 0.0500  removing illw1

      Source |       SS       df       MS              Number of obs =     360
-------------+------------------------------           F(  5,   354) =   21.41
       Model |  41738.5004     5  8347.70007           Prob > F      =  0.0000
    Residual |  138008.036   354  389.853208           R-squared     =  0.2322
-------------+------------------------------           Adj R-squared =  0.2214
       Total |  179746.536   359   500.68673           Root MSE      =  19.745
```

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.6293925	.0944081	6.67	0.000	.4437212	.8150637
educ2	17.44498	4.446014	3.92	0.000	8.701055	26.1889
educ3	10.38255	2.322549	4.47	0.000	5.814822	14.95028
educ4	11.204	4.329475	2.59	0.010	2.689271	19.71872
radtlw1	-.058708	.0282532	-2.08	0.038	-.1142732	-.0031428
_cons	-15.57377	4.821606	-3.23	0.001	-25.05636	-6.091173

```
160 . set more off

161 . sw, pr(.1): regress WHPpain age educ2-educ7 marrw11-marrw13 marrw15 childw1
    > ///
    >   emplw12-emplw16 occ1w1-occ8w1 inc1w1-inc4w1 radhlw1 radchw1 ///
    >   radtlw1 havmil bfffpain2 bfffpain5 bfffpain8 bfffpain9 bfffpain19 ///
    >   bfffpain23 bfffpain24 bfffpain34 avgcumdosew1 if gender==2, vce(cluster id
    > )
                          begin with full model
    p = 0.9972 >= 0.1000  removing educ7
    p = 0.9612 >= 0.1000  removing radchw1
    p = 0.9621 >= 0.1000  removing emplw15
    p = 0.9609 >= 0.1000  removing inc4w1
    p = 0.8967 >= 0.1000  removing radtlw1
    p = 0.8899 >= 0.1000  removing bfffpain19
    p = 0.8474 >= 0.1000  removing marrw12
    p = 0.7348 >= 0.1000  removing emplw12
    p = 0.7241 >= 0.1000  removing radhlw1
    p = 0.7153 >= 0.1000  removing bfffpain5
    p = 0.6852 >= 0.1000  removing inc3w1
    p = 0.6795 >= 0.1000  removing emplw16
    p = 0.5211 >= 0.1000  removing marrw11
    p = 0.4434 >= 0.1000  removing bfffpain8
    p = 0.3143 >= 0.1000  removing occ4w1
    p = 0.3181 >= 0.1000  removing childw1
    p = 0.2809 >= 0.1000  removing occ5w1
    p = 0.2841 >= 0.1000  removing inc1w1
    p = 0.2760 >= 0.1000  removing inc2w1
    p = 0.2577 >= 0.1000  removing occ6w1
    p = 0.3211 >= 0.1000  removing occ1w1
    p = 0.2672 >= 0.1000  removing occ7w1
    p = 0.2337 >= 0.1000  removing havmil
    p = 0.2241 >= 0.1000  removing marrw13
    p = 0.1792 >= 0.1000  removing bfffpain24
    p = 0.1362 >= 0.1000  removing occ3w1
    p = 0.2005 >= 0.1000  removing occ2w1
    p = 0.1327 >= 0.1000  removing occ8w1
    p = 0.1232 >= 0.1000  removing avgcumdosew1
```

Linear regression

Number of obs =	**360**
F(12, 359) =	**.**
Prob > F =	**.**
R-squared =	**0.4991**
Root MSE =	**16.131**

(Std. Err. adjusted for **360** clusters in id)

WHPpain	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	**.2240893**	**.0910318**	**2.46**	**0.014**	**.0450668**	**.4031119**
educ2	**22.81122**	**5.604298**	**4.07**	**0.000**	**11.78985**	**33.8326**
educ3	**17.29394**	**4.728812**	**3.66**	**0.000**	**7.994291**	**26.5936**
educ4	**19.16243**	**6.243214**	**3.07**	**0.002**	**6.884558**	**31.44029**
educ5	**12.86194**	**4.882768**	**2.63**	**0.009**	**3.259519**	**22.46437**
educ6	**11.66148**	**4.847791**	**2.41**	**0.017**	**2.127839**	**21.19511**
emplw13	**-5.18891**	**1.716886**	**-3.02**	**0.003**	**-8.565327**	**-1.812493**
bfffpain2	**-3.152299**	**.3877173**	**-8.13**	**0.000**	**-3.914782**	**-2.389817**
bfffpain23	**.0006481**	**.0002686**	**2.41**	**0.016**	**.0001198**	**.0011764**
emplw14	**-2.4724**	**1.411224**	**-1.75**	**0.081**	**-5.247704**	**.3029045**
marrw15	**-9.10154**	**4.867698**	**-1.87**	**0.062**	**-18.67433**	**.4712466**
bfffpain9	**2.208534**	**.6798469**	**3.25**	**0.001**	**.8715508**	**3.545516**
bfffpain34	**3.071055**	**.2725151**	**11.27**	**0.000**	**2.535128**	**3.606981**
_cons	**17.54618**	**8.260504**	**2.12**	**0.034**	**1.301121**	**33.79124**

```
162 .
163 . scalar tw1bf = e(r2_a)

164 . scalar list tw1bf
        tw1bf =  .48029962

165 . scalar NumMainEffsigTw1= 11

166 . scalar numbfsigtw1 = 4
```

```
167 . scalar dsigtw1 = 3

168 .
169 . scalar w1numbf = 4

170 . set more off

171 . sw, pr(.1): regress WHPpain age educ2-educ7 marrw11-marrw13 marrw15 childw1
    > ///
    >   emplw12-emplw16 occ1w1-occ8w1 inc1w1-inc4w1 radhlw1 radchw1 ///
    >   radtlw1 havmil if gender==2, vce(cluster id)
                        begin with full model
    p = 0.9096 >= 0.1000  removing havmil
    p = 0.8710 >= 0.1000  removing radchw1
    p = 0.8118 >= 0.1000  removing marrw12
    p = 0.7399 >= 0.1000  removing emplw15
    p = 0.9576 >= 0.1000  removing emplw13
    p = 0.4939 >= 0.1000  removing inc4w1
    p = 0.6884 >= 0.1000  removing inc3w1
    p = 0.5922 >= 0.1000  removing occ6w1
    p = 0.4527 >= 0.1000  removing inc1w1
    p = 0.4395 >= 0.1000  removing educ6
    p = 0.6002 >= 0.1000  removing educ5
    p = 0.3101 >= 0.1000  removing occ4w1
    p = 0.3267 >= 0.1000  removing occ5w1
    p = 0.4045 >= 0.1000  removing occ8w1
    p = 0.4537 >= 0.1000  removing occ1w1
    p = 0.4618 >= 0.1000  removing occ7w1
    p = 0.4325 >= 0.1000  removing inc2w1
    p = 0.4254 >= 0.1000  removing occ3w1
    p = 0.2686 >= 0.1000  removing childw1
    p = 0.2186 >= 0.1000  removing occ2w1
    p = 0.1967 >= 0.1000  removing radhlw1
    p = 0.1288 >= 0.1000  removing marrw11
    p = 0.4303 >= 0.1000  removing marrw13
    p = 0.3607 >= 0.1000  removing marrw15
    p = 0.1168 >= 0.1000  removing emplw12
    p = 0.7852 >= 0.1000  removing emplw14
    p = 0.6276 >= 0.1000  removing emplw16

    Linear regression                               Number of obs =     360
                                                    F(  6,   359) =   18.05
                                                    Prob > F      =  0.0000
                                                    R-squared     =  0.2334
                                                    Root MSE      =  19.757
```

(Std. Err. adjusted for **360** clusters in id)

WHPpain	Coef.	Robust Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	**.6356394**	**.0948211**	**6.70**	**0.000**	**.4491649**	**.822114**
educ2	**17.23328**	**5.216749**	**3.30**	**0.001**	**6.974057**	**27.49251**
educ3	**10.24049**	**2.369288**	**4.32**	**0.000**	**5.581068**	**14.89992**
educ4	**11.0945**	**5.518454**	**2.01**	**0.045**	**.2419385**	**21.94705**
radtlw1	**-.0596349**	**.0272165**	**-2.19**	**0.029**	**-.1131587**	**-.006111**
educ7	**-10.40309**	**5.112697**	**-2.03**	**0.043**	**-20.45768**	**-.3484871**
_cons	**-15.70136**	**4.678506**	**-3.36**	**0.001**	**-24.90208**	**-6.500636**

```
172 .
173 . xi:regress WHPpain age i.educ radtlw1
i.educ            _Ieduc_1-8          (naturally coded; _Ieduc_1 omitted)
```

Source	SS	df	MS		
Model	**49684.3705**	**9**	**5520.48561**	Number of obs =	**702**
Residual	**233077.686**	**692**	**336.817465**	F(9, 692) =	**16.39**
				Prob > F =	**0.0000**
				R-squared =	**0.1757**
				Adj R-squared =	**0.1650**
Total	**282762.056**	**701**	**403.369553**	Root MSE =	**18.353**

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	**.5303766**	**.0603324**	**8.79**	**0.000**	**.4119201**	**.6488331**
_Ieduc_2	**17.21877**	**18.63053**	**0.92**	**0.356**	**-19.36038**	**53.79792**
_Ieduc_3	**12.2502**	**18.44621**	**0.66**	**0.507**	**-23.96705**	**48.46744**
_Ieduc_4	**13.54639**	**18.63326**	**0.73**	**0.467**	**-23.03812**	**50.13091**
_Ieduc_5	**6.348003**	**18.50162**	**0.34**	**0.732**	**-29.97804**	**42.67404**
_Ieduc_6	**4.210683**	**18.44925**	**0.23**	**0.820**	**-32.01254**	**40.43391**
_Ieduc_7	**-5.520646**	**19.86377**	**-0.28**	**0.781**	**-44.52113**	**33.47983**
_Ieduc_8	**-11.73288**	**22.50573**	**-0.52**	**0.602**	**-55.92059**	**32.45483**
radtlw1	**-.0044961**	**.0188427**	**-0.24**	**0.811**	**-.0414919**	**.0324997**
_cons	**-20.17713**	**18.88516**	**-1.07**	**0.286**	**-57.25622**	**16.90196**

```
174 . matrix define x= e(b)

175 . local cn1 :colnames(x)

176 . di "`cn1'"
    age _Ieduc_2 _Ieduc_3 _Ieduc_4 _Ieduc_5 _Ieduc_6 _Ieduc_7 _Ieduc_8 radtlw1 _co
    > ns

177 . local lcn1=length("`cn1'")

178 . di `lcn1'
    80

179 . local lcn2 = `lcn1'-6

180 . di `lcn2'
    74

181 . local nuvlist = substr("`cn1'",1,74)

182 . di "`nuvlist'"
    age _Ieduc_2 _Ieduc_3 _Ieduc_4 _Ieduc_5 _Ieduc_6 _Ieduc_7 _Ieduc_8 radtlw1

183 .
184 .
185 . forvalues i=1/8{
      2. cap drop _Ieduc_`i'
      3. cap drop ageX_Ieduc_`i'
      4. cap drop radtlw1X_Ieduc_`i'
      5. cap drop radtlw1Xeduc`i'
      6. }

186 .
187 . forvalues i=1/8 {
      2. cap gen ageXeduc`i' = age*educ`i'
      3. cap gen radtlw1Xeduc`i' = radtlw1*educ`i'
      4. }
```

```
188 .
189 . forvalues i=1/8 {
      2. cap gen ageXd1 = age*avgcumdosew1
      3. cap gen educ`i'Xd1 = educ`i'*avgcumdosew1
      4. }

190 .
191 .
192 . regress WHPpain age  educ1-educ7 radtlw1  ///
    >  if gender==2
    note: educ7 omitted because of collinearity
```

Source	SS	df	MS		
Model	42415.1809	8	5301.89761	Number of obs =	363
Residual	138031.683	354	389.920008	F(8, 354) =	13.60
				Prob > F =	0.0000
				R-squared =	0.2351
				Adj R-squared =	0.2178
Total	180446.864	362	498.471999	Root MSE =	19.746

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.6433721	.0935215	6.88	0.000	.4594444	.8272997
educ1	3.950414	24.23646	0.16	0.871	-43.71514	51.61597
educ2	27.02711	14.49175	1.86	0.063	-1.47364	55.52785
educ3	20.66279	14.10116	1.47	0.144	-7.069783	48.39537
educ4	21.61943	14.60632	1.48	0.140	-7.106644	50.34551
educ5	12.35441	14.30308	0.86	0.388	-15.77528	40.48411
educ6	10.02727	14.13324	0.71	0.478	-17.7684	37.82294
educ7	0	(omitted)				
radtlw1	-.0609164	.0280487	-2.17	0.031	-.1160795	-.0057534
_cons	-26.50819	15.05345	-1.76	0.079	-56.11362	3.09725

```
193 .
194 . regress WHPpain age  educ1-educ7 radtlw1  ///
    >   ageXeduc1-ageXeduc7 if gender==2
    note: educ1 omitted because of collinearity
    note: educ2 omitted because of collinearity
```

Source	SS	df	MS		
Model	43189.8059	13	3322.29276	Number of obs =	363
Residual	137257.058	349	393.286698	F(13, 349) =	8.45
				Prob > F =	0.0000
				R-squared =	0.2393
				Adj R-squared =	0.2110
Total	180446.864	362	498.471999	Root MSE =	19.831

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.5047644	.1500047	3.36	0.001	.2097375	.7997914
educ1	0	(omitted)				
educ2	0	(omitted)				
educ3	5.285777	20.89267	0.25	0.800	-35.80561	46.37716
educ4	7.552456	26.12275	0.29	0.773	-43.82537	58.93028
educ5	-3.21443	23.84724	-0.13	0.893	-50.11681	43.68795
educ6	4.465011	20.33675	0.22	0.826	-35.533	44.46303
educ7	30.50288	92.99311	0.33	0.743	-152.3945	213.4003
radtlw1	-.059379	.028742	-2.07	0.040	-.1159083	-.0028497
ageXeduc1	.023336	.4143541	0.06	0.955	-.7916092	.8382812
ageXeduc2	.3818086	.3378843	1.13	0.259	-.282737	1.046354
ageXeduc3	.2035836	.2208106	0.92	0.357	-.2307032	.6378705
ageXeduc4	.1770986	.3759467	0.47	0.638	-.5623075	.9165046
ageXeduc5	.2084794	.3165283	0.66	0.511	-.4140636	.8310224
ageXeduc7	-.5648752	1.49068	-0.38	0.705	-3.496722	2.366972
_cons	-14.52723	19.18843	-0.76	0.450	-52.26675	23.21228

```
195 .
196 . regress WHPpain age  marrw11-marrw13 marrw15 childw1 ///
    >   emplw12-emplw16 occ1w1-occ8w1 inc1w1-inc4w1 radhlw1 radchw1 ///
    >   radtlw1 havmil educ2-educ7   ///
    >    ageXd1 educ1Xd1-educ8Xd1 if gender==2
    note: educ1Xd1 omitted because of collinearity
    note: educ8Xd1 omitted because of collinearity
```

Source	SS	df	MS		
Model	53039.1297	40	1325.97824	Number of obs =	360
Residual	126707.406	319	397.201901	F(40, 319) =	3.34
				Prob > F =	0.0000
				R-squared =	0.2951
				Adj R-squared =	0.2067
Total	179746.536	359	500.68673	Root MSE =	19.93

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.4944551	.1924006	2.57	0.011	.1159207	.8729896
marrw11	-9.365407	7.242927	-1.29	0.197	-23.61535	4.884534
marrw12	-3.159165	12.13797	-0.26	0.795	-27.03975	20.72142
marrw13	-12.3376	6.726465	-1.83	0.068	-25.57144	.8962369
marrw15	-19.52835	11.17204	-1.75	0.081	-41.50853	2.451834
childw1	2.023848	1.837728	1.10	0.272	-1.591749	5.639446
emplw12	5.696465	8.567681	0.66	0.507	-11.15983	22.55276
emplw13	-1.775785	9.655291	-0.18	0.854	-20.77188	17.22031
emplw14	7.231981	21.91064	0.33	0.742	-35.87564	50.3396
emplw15	-3.36379	13.64348	-0.25	0.805	-30.20636	23.47879

emplw16	5.533914	8.762792	0.63	0.528	-11.70625	22.77408
occ1w1	13.01472	8.776528	1.48	0.139	-4.252471	30.28191
occ2w1	18.40079	9.279994	1.98	0.048	.1430698	36.65852
occ3w1	17.90149	9.260513	1.93	0.054	-.3179086	36.12088
occ4w1	13.88431	9.892345	1.40	0.161	-5.578167	33.34679
occ5w1	18.24992	10.6653	1.71	0.088	-2.733292	39.23313
occ6w1	7.428358	11.02375	0.67	0.501	-14.26009	29.1168
occ7w1	17.63859	9.709371	1.82	0.070	-1.463907	36.74108
occ8w1	14.75917	9.516396	1.55	0.122	-3.963654	33.482
inc1w1	-10.94622	8.43844	-1.30	0.196	-27.54825	5.655801
inc2w1	-12.5454	8.178181	-1.53	0.126	-28.63539	3.544584
inc3w1	-9.524446	8.256643	-1.15	0.250	-25.7688	6.719908
inc4w1	-8.737307	9.378697	-0.93	0.352	-27.18922	9.714607
radhlw1	.0382488	.0368704	1.04	0.300	-.0342911	.1107887
radchw1	.0048061	.0410599	0.12	0.907	-.0759764	.0855885
radtlw1	-.0582861	.0430603	-1.35	0.177	-.1430043	.026432
havmil	-.0003909	.0049678	-0.08	0.937	-.0101646	.0093829
educ2	21.87646	22.97232	0.95	0.342	-23.31992	67.07285
educ3	17.92115	22.55443	0.79	0.427	-26.45308	62.29538
educ4	27.14288	23.76969	1.14	0.254	-19.62229	73.90804
educ5	8.32714	22.93828	0.36	0.717	-36.80229	53.45657
educ6	8.19918	22.85609	0.36	0.720	-36.76853	53.16689
educ7	-28.24389	69.15401	-0.41	0.683	-164.2995	107.8117
ageXd1	.1521615	.3262956	0.47	0.641	-.4898017	.7941248
educ1Xd1	0	(omitted)				
educ2Xd1	-.6904705	19.7983	-0.03	0.972	-39.6422	38.26126
educ3Xd1	-4.168963	17.87748	-0.23	0.816	-39.34163	31.00371
educ4Xd1	-36.45948	28.34624	-1.29	0.199	-92.22867	19.30972
educ5Xd1	-3.528169	20.0158	-0.18	0.860	-42.90782	35.85148
educ6Xd1	-6.577797	21.48498	-0.31	0.760	-48.84795	35.69236
educ7Xd1	68.11098	183.3174	0.37	0.710	-292.5529	428.7748
educ8Xd1	0	(omitted)				
_cons	-19.46623	25.3228	-0.77	0.443	-69.28703	30.35456

```
197 .
198 . scalar numModsigFw1 = 0
```

```
199 . // there are no moderators in wave 1 for females for pain in full model
200 . // occupation is main effect
201 .
202 .
203 . scalar tw1nobf = e(r2_a)

204 .
205 . scalar r2chabf = tw1bf - tw1nobf

206 .
207 . sw, pr(.1):regress WHPpain age  marrw11-marrw13 marrw15 childw1 ///
    >   emplw12-emplw16 occ1w1-occ8w1 inc1w1-inc4w1 radhlw1 radchw1 ///
    >   radtlw1 havmil educ2-educ7   ///
    >    ageXd1 educ2Xd1-educ8Xd1 if gender==2
    note: educ8Xd1 dropped because of collinearity
                          begin with full model
    p = 0.9722 >= 0.1000  removing educ2Xd1
    p = 0.9386 >= 0.1000  removing havmil
    p = 0.9004 >= 0.1000  removing radchw1
    p = 0.8576 >= 0.1000  removing emplw13
    p = 0.8545 >= 0.1000  removing emplw15
    p = 0.7779 >= 0.1000  removing marrw12
    p = 0.7185 >= 0.1000  removing educ7Xd1
    p = 0.8523 >= 0.1000  removing educ7
    p = 0.6659 >= 0.1000  removing emplw14
    p = 0.6474 >= 0.1000  removing educ5Xd1
    p = 0.5020 >= 0.1000  removing educ3Xd1
    p = 0.5810 >= 0.1000  removing educ6Xd1
    p = 0.4710 >= 0.1000  removing educ6
    p = 0.7767 >= 0.1000  removing educ5
    p = 0.4268 >= 0.1000  removing occ6w1
    p = 0.5461 >= 0.1000  removing inc4w1
    p = 0.4856 >= 0.1000  removing inc3w1
    p = 0.5406 >= 0.1000  removing inc1w1
    p = 0.4034 >= 0.1000  removing occ4w1
    p = 0.4651 >= 0.1000  removing occ1w1
    p = 0.4618 >= 0.1000  removing occ8w1
    p = 0.4003 >= 0.1000  removing occ5w1
    p = 0.4276 >= 0.1000  removing inc2w1
    p = 0.3100 >= 0.1000  removing occ3w1
    p = 0.3294 >= 0.1000  removing occ7w1
    p = 0.2657 >= 0.1000  removing childw1
    p = 0.2587 >= 0.1000  removing radhlw1
    p = 0.1733 >= 0.1000  removing occ2w1
    p = 0.1042 >= 0.1000  removing educ4Xd1
    p = 0.1017 >= 0.1000  removing marrw15
    p = 0.2289 >= 0.1000  removing marrw11
    p = 0.4829 >= 0.1000  removing marrw13
    p = 0.1582 >= 0.1000  removing emplw12
```

p = **0.5624** >= 0.1000 removing **emplw16**

Source	SS	df	MS		
Model	**44245.6799**	**6**	**7374.27999**	Number of obs =	**360**
Residual	**135500.856**	**353**	**383.855117**	F(6, 353) =	**19.21**
				Prob > F =	**0.0000**
Total	**179746.536**	**359**	**500.68673**	R-squared =	**0.2462**
				Adj R-squared =	**0.2333**
				Root MSE =	**19.592**

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	**.5724407**	**.096293**	**5.94**	**0.000**	**.3830606**	**.7618209**
educ4	**11.42103**	**4.29688**	**2.66**	**0.008**	**2.97033**	**19.87174**
ageXd1	**.0848203**	**.0331888**	**2.56**	**0.011**	**.0195478**	**.1500929**
educ2	**16.7665**	**4.41966**	**3.79**	**0.000**	**8.074327**	**25.45868**
educ3	**10.36489**	**2.304624**	**4.50**	**0.000**	**5.832366**	**14.8974**
radtlw1	**-.058295**	**.0280355**	**-2.08**	**0.038**	**-.1134325**	**-.0031574**
_cons	**-14.23129**	**4.813121**	**-2.96**	**0.003**	**-23.69729**	**-4.765296**

```
208 . scalar numMainEffsigTw1 = 5

209 . scalar numModsigTw1 = 1

210 .
211 . // in trimmed model age is a moderator in wave 1 for females
212 .
213 . matrix define FemaleWHPpainr2 = J(12,5,0)

214 . matrix colnames FemaleWHPpainr2 = FullBFR2a TR2aBF  TR2aNoBF  NumBF  BFR2cha

215 . matrix rownames FemaleWHPpainr2 = wave1  wave2  wave3  avg

216 . matlist FemaleWHPpainr2
```

	FullBFR2a	TR2aBF	TR2aNoBF	NumBF	BFR2cha
wave1	**0**	**0**	**0**	**0**	**0**
wave2	**0**	**0**	**0**	**0**	**0**
wave3	**0**	**0**	**0**	**0**	**0**
avg	**0**	**0**	**0**	**0**	**0**
avg	**0**	**0**	**0**	**0**	**0**
avg	**0**	**0**	**0**	**0**	**0**
avg	**0**	**0**	**0**	**0**	**0**
avg	**0**	**0**	**0**	**0**	**0**
avg	**0**	**0**	**0**	**0**	**0**
avg	**0**	**0**	**0**	**0**	**0**
avg	**0**	**0**	**0**	**0**	**0**
avg	**0**	**0**	**0**	**0**	**0**

```
          avg |          0          0          0          0          0
```

```
217 .
218 .
219 . matrix define FemaleWHPpainr2w1 = ( fw1 , tw1bf, tw1nobf, w1numbf, r2chabf)

220 . matrix colnames FemaleWHPpainr2w1 = FullBFR2a TR2aBF  TR2aNoBF  NumBF  BFR2c
    > ha

221 . matrix rownames FemaleWHPpainr2w1 = wave1

222 .
223 .
224 . matlist FemaleWHPpainr2w1

             | FullBFR2a     TR2aBF   TR2aNoBF      NumBF    BFR2cha
-------------+-------------------------------------------------------
       wave1 |  .4791464   .4802996   .2066858          4   .2736138

225 . cap gen whppain=WHPpain

226 .
227 . *-------Mediators for wave 1 female Pain-----------------------------------
    > ---
228 . // age is possible mediator at wave1 for female Pain
229 . // education is another possible mediator
230 . sem (avgcumdosew1->age)(age->whppain) if gender==2, nocapslatent

    Endogenous variables

    Observed:  age whppain

    Exogenous variables

    Observed:  avgcumdosew1

    Fitting target model:

    Iteration 0:   log likelihood = -3315.4901
    Iteration 1:   log likelihood = -3315.4901

    Structural equation model                       Number of obs      =       363
    Estimation method  = ml
    Log likelihood     = -3315.4901
```

```
─────────────────────┬──────────────────────────────────────────────────────────────
> ─────
                     │                 OIM
                     │      Coef.   Std. Err.      z    P>|z|     [95% Conf. Inter
> val]
─────────────────────┼──────────────────────────────────────────────────────────────
> ─────
Structural           │
  age <-             │
    avgcumdosew1     │   3.973879   1.114596     3.57   0.000      1.78931    6.15
> 8447
           _cons     │   48.88157   .7167212    68.20   0.000     47.47682    50.2
> 8632
  ───────────────────┼──────────────────────────────────────────────────────────────
> ─────
  whppain <-         │
             age     │   .7333239   .0909308     8.06   0.000     .5551028    .911
> 5451
           _cons     │   -18.8122   4.691527    -4.01   0.000    -28.00742   -9.61
> 6977
─────────────────────┼──────────────────────────────────────────────────────────────
> ─────
Variance             │
           e.age     │   135.7032   10.07284                      117.3297    156.
> 9539
       e.whppain     │    421.567   31.29164                      364.4891    487.
> 5832
─────────────────────┴──────────────────────────────────────────────────────────────
> ─────
LR test of model vs. saturated: chi2(1)   =      6.86, Prob > chi2 = 0.0088

231 . sem (avgcumdosew1-> radtlw1)(radtlw1->whppain) if gender==2, nocapslatent

Endogenous variables

Observed:  radtlw1 whppain

Exogenous variables

Observed:  avgcumdosew1

Fitting target model:

Iteration 0:   log likelihood =  -3776.135
Iteration 1:   log likelihood =  -3776.135
```

```
Structural equation model                       Number of obs      =       363
Estimation method  = ml
Log likelihood     =  -3776.135

------------------------------------------------------------------------------
             |                 OIM
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Structural   |
  radtlw1 <- |
    avgcumdosew1 |   1.429625   3.662884     0.39   0.696    -5.749497    8.608746
           _cons |   61.53962   2.355353    26.13   0.000     56.92321    66.15603
-------------+----------------------------------------------------------------
  whppain <- |
         radtlw1 |  -.0462864   .0304649    -1.52   0.129    -.1059965     .013424
           _cons |   20.88222   2.220504     9.40   0.000     16.53011    25.23433
-------------+----------------------------------------------------------------
Variance     |
       e.radtlw1 |   1465.553   108.7835                      1267.125    1695.054
       e.whppain |   493.9576   36.66497                      427.0784      57.1
------------------------------------------------------------------------------

LR test of model vs. saturated: chi2(1)   =     14.50, Prob > chi2 = 0.0001
```

```
232 . sem (avgcumdosew1-> educ2)(educ2-> whppain) if gender==2, nocapslatent

Endogenous variables

Observed:  educ2 whppain

Exogenous variables

Observed:  avgcumdosew1

Fitting target model:
```

```
Iteration 0:   log likelihood = -1950.1975
Iteration 1:   log likelihood = -1950.1975

Structural equation model                       Number of obs      =       363
Estimation method  = ml
Log likelihood     = -1950.1975

------------------------------------------------------------------------------
> ----
             |                 OIM
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Inter
> val]
-------------+----------------------------------------------------------------
> ----
Structural   |
  educ2 <-   |
    avgcumdosew1 |   .0495695   .0245352     2.02   0.043     .0014814     .097
> 6575
          _cons |   .0549939   .0157769     3.49   0.000     .0240717     .085
> 9161
  -----------+----------------------------------------------------------------
> ----
  whppain <- |
          educ2 |   19.96704   4.415423     4.52   0.000     11.31297     28.6
> 2111
          _cons |   16.58142   1.181696    14.03   0.000     14.26534      18.
> 8975
-------------+----------------------------------------------------------------
> ----
Variance     |
         e.educ2 |   .0657558   .0048809                      .0568528     .076
> 0529
       e.whppain |   470.5883   34.93034                      406.8732     544.
> 2811
-------------+----------------------------------------------------------------
> ----
LR test of model vs. saturated: chi2(1)   =     11.55, Prob > chi2 = 0.0007
```

```
233 .
234 . // we do not count constant as a main effect
235 . matrix define H1p1FPnDosew1 = J(1,12,0)

236 . matrix define H1p1FPnDosew1 = (hyp, pt, wv, dsigfw1, dsigtw1, numMainEffsigF
    > w1, numMainEffsigTw1, numModsigFw1, numModsigTw1,numbfsigfw1,numbfsigtw1, 2)

237 . matrix  colnames H1p1FPnDosew1 = hypnum ptnum wv dsigfw1 dsigtw1 numMainEffs
    > igFw1 numMainEffsigTw1 numModFw1 numModTw1 numbfsigfw1 numbfsigtw1 numMedw1

238 . matrix  rownames H1p1FPnDosew1 = wave1

239 . matlist H1p1FPnDosew1

             |    hypnum      ptnum         wv    dsigfw1    dsigtw1  numMain~
    > 1  numMain~1  numModFw1  numModTw1  numbfsi~1  numbfsi~1   numMedw1
    -------------+------------------------------------------------------------
    > -----------------------------------------------------------------------
       wave1 |         1          1          1          0          3
    > 5          5          0          1          1          4          2

240 .
241 . scalar FemPainW1Meds = "educ and age"

242 . *  Wave 2 begins here-----------------------------------------------------
    > ----------------------------------------------------------------------
243 . scalar wv = 2

244 .
245 . matrix define H1p1FPnDosew2 = J(1,12,0)

246 . matrix  colnames H1p1FPnDosew2 = hypnum ptnum wv dsigfw2 dsigtw2 numMainEffs
    > igFw2 numMainEffsigTw2 numModFw2 numModTw2 numbfsigfw2 numbfsigtw2 numMedw2

247 . matrix  rownames H1p1FPnDosew2 = wave2

248 . matlist H1p1FPnDosew2

             |    hypnum      ptnum         wv    dsigfw2    dsigtw2  numMain~
    > 2  numMain~2  numModFw2  numModTw2  numbfsi~2  numbfsi~2   numMedw2
    -------------+------------------------------------------------------------
    > -----------------------------------------------------------------------
       wave2 |         0          0          0          0          0
    > 0          0          0          0          0          0          0
```

```
249 .
250 .
251 . //  wave 2 possible socio-demog covariates full Female model
252 . regress WHPpain age educ2-educ7 marrw21-marrw23 marrw25 childw2 ///
>   emplw22-emplw26 occ1w2-occ8w2 inc1w2-inc4w2 if gender==2
```

Source	SS	df	MS		
Model	53730.871	29	1852.78866	Number of obs =	363
Residual	126715.993	333	380.528506	F(29, 333) =	4.87
				Prob > F =	0.0000
				R-squared =	0.2978
				Adj R-squared =	0.2366
Total	180446.864	362	498.471999	Root MSE =	19.507

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.4653355	.1258015	3.70	0.000	.2178697	.7128013
educ2	22.19364	20.67575	1.07	0.284	-18.4779	62.86517
educ3	16.52753	20.5924	0.80	0.423	-23.98007	57.03512
educ4	16.72529	20.95546	0.80	0.425	-24.49648	57.94707
educ5	10.45479	20.73525	0.50	0.614	-30.3338	51.24339
educ6	9.104453	20.63396	0.44	0.659	-31.48488	49.69379
educ7	.4700746	24.73599	0.02	0.985	-48.18842	49.12857
marrw21	-2.649277	6.563492	-0.40	0.687	-15.56041	10.26186
marrw22	7.657347	9.038896	0.85	0.398	-10.12319	25.43788
marrw23	-1.254276	5.443256	-0.23	0.818	-11.96178	9.453227
marrw25	.7060605	7.872103	0.09	0.929	-14.77926	16.19138
childw2	2.028007	1.634775	1.24	0.216	-1.187782	5.243796
emplw22	-1.018348	8.67969	-0.12	0.907	-18.09228	16.05559
emplw23	1.51055	9.232483	0.16	0.870	-16.65079	19.67189
emplw24	.8382884	21.52942	0.04	0.969	-41.51252	43.18909
emplw25	9.668135	10.19705	0.95	0.344	-10.39061	29.72688
emplw26	-1.035949	9.415969	-0.11	0.912	-19.55823	17.48633
occ1w2	22.01692	10.26164	2.15	0.033	1.831104	42.20274
occ2w2	23.36023	10.53015	2.22	0.027	2.64623	44.07422
occ3w2	34.73625	10.53764	3.30	0.001	14.00752	55.46498
occ4w2	28.31046	11.27444	2.51	0.013	6.132356	50.48856
occ5w2	23.35241	12.18835	1.92	0.056	-.6234592	47.32827
occ6w2	17.74269	12.1992	1.45	0.147	-6.254515	41.73989
occ7w2	16.91919	11.33408	1.49	0.136	-5.376241	39.21462
occ8w2	19.46623	11.31773	1.72	0.086	-2.797039	41.72949
inc1w2	-12.72261	10.43166	-1.22	0.223	-33.24287	7.797646
inc2w2	-17.52541	10.23151	-1.71	0.088	-37.65196	2.601129
inc3w2	-20.00232	10.31447	-1.94	0.053	-40.29205	.2874141
inc4w2	-25.87366	12.25014	-2.11	0.035	-49.97108	-1.776248
_cons	-25.05568	24.10614	-1.04	0.299	-72.4752	22.36383

```
253 .
254 . local bfw2 bfffpain2 bfffpain4 bfffpain8 bfffpain9 bfffpain11 ///
    >   bfffpain14 bfffpain15 bfffpain17 bfffpain19 bfffpain21 bfffpain22 bfffpain
    > 25 ///
    >    bfffpain28

255 .
256 . des `bfw2'

              storage  display     value
variable name   type   format      label      variable label
------------------------------------------------------------------------------
bfffpain2       float  %9.0g                 max(0, 23 - BSIsoma)
bfffpain4       float  %9.0g                 max(0, occ3w2 + 2.13147e-009)
bfffpain8       float  %9.0g                 max(0, BSIsoma - 13)
bfffpain9       float  %9.0g                 max(0, 13-BSIsoma)
bfffpain11      float  %9.0g                 max(0, 80- radw2)*bfffpain8
                                               female pain series
bfffpain14      float  %9.0g                  max(0, havmil - 112.275) *
                                               bfffpain11
bfffpain15      float  %9.0g                  max(0, 112.275 - havmil) *
                                               bfffpain11
bfffpain17      float  %9.0g                 max(0, defnw2 - 90)* bfffpain4
bfffpain19      float  %9.0g                  (CSprbslv != . ) * bfffpain15
bfffpain21      float  %9.0g                 max(0, CSprbslv - 29) *
                                               bfffpain19
bfffpain22      float  %9.0g                 max(0, 29-CSprbslv)*bfffpain19
bfffpain25      float  %9.0g                 max(0, suchrw2 - 2.24572e-006) *
                                               bfffpain23
bfffpain28      float  %9.0g                 max(0, age - 28)*bfffpain22

257 .
258 . regress WHPpain age educ2-educ7 marrw21-marrw23 marrw25 childw2 ///
    >   emplw22-emplw26 occ1w2-occ8w2 inc1w2-inc4w2 radhlw2 radchw2 ///
    >   radtlw2 havmil avgcumdosew2 if gender==2

      Source |       SS       df       MS              Number of obs =     363
-------------+------------------------------           F( 34,   328) =    4.45
       Model |  56925.3141    34  1674.27395            Prob > F      =  0.0000
    Residual |  123521.549   328   376.59009            R-squared     =  0.3155
-------------+------------------------------           Adj R-squared =  0.2445
       Total |  180446.864   362  498.471999            Root MSE      =  19.406
```

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.4072238	.1274411	3.20	0.002	.1565188	.6579289
educ2	19.75361	20.65185	0.96	0.340	-20.87317	60.3804
educ3	15.22795	20.52023	0.74	0.459	-25.13992	55.59582
educ4	15.85307	20.88148	0.76	0.448	-25.22544	56.93159
educ5	8.31414	20.66347	0.40	0.688	-32.33551	48.96379
educ6	8.237747	20.56095	0.40	0.689	-32.21022	48.68571
educ7	-9.692616	24.96229	-0.39	0.698	-58.799	39.41377
marrw21	-3.311799	6.55865	-0.50	0.614	-16.21413	9.590527
marrw22	4.57084	9.108361	0.50	0.616	-13.34734	22.48902
marrw23	-1.297564	5.426841	-0.24	0.811	-11.97337	9.378242
marrw25	-.9470013	7.857145	-0.12	0.904	-16.40376	14.50975
childw2	2.096793	1.629364	1.29	0.199	-1.108529	5.302115
emplw22	-.8878241	8.661248	-0.10	0.918	-17.92643	16.15078
emplw23	-.0273601	9.242454	-0.00	0.998	-18.20933	18.15461
emplw24	7.216659	21.59743	0.33	0.738	-35.2703	49.70362
emplw25	9.273765	10.15816	0.91	0.362	-10.70961	29.25714
emplw26	-.300219	9.383997	-0.03	0.974	-18.76063	18.16019
occ1w2	21.1161	10.26944	2.06	0.041	.9138309	41.31837
occ2w2	22.34936	10.53805	2.12	0.035	1.618662	43.08005
occ3w2	34.02967	10.55479	3.22	0.001	13.26603	54.7933
occ4w2	26.3198	11.33244	2.32	0.021	4.026354	48.61324
occ5w2	24.21878	12.27096	1.97	0.049	.0790609	48.3585
occ6w2	17.30573	12.16232	1.42	0.156	-6.62026	41.23172
occ7w2	15.62959	11.32046	1.38	0.168	-6.640289	37.89946
occ8w2	18.91034	11.37599	1.66	0.097	-3.468771	41.28944
inc1w2	-10.64045	10.44232	-1.02	0.309	-31.18282	9.901914
inc2w2	-15.72855	10.25973	-1.53	0.126	-35.91173	4.454622
inc3w2	-18.02464	10.32964	-1.74	0.082	-38.34534	2.296063
inc4w2	-24.51497	12.2796	-2.00	0.047	-48.67169	-.3582518
radhlw2	.0868739	.0380272	2.28	0.023	.012066	.1616819
radchw2	-.0582328	.0418642	-1.39	0.165	-.1405891	.0241235
radtlw2	.0016077	.0432485	0.04	0.970	-.0834718	.0866872
havmil	-.0005926	.0046162	-0.13	0.898	-.0096737	.0084886
avgcumdosew2	1.140671	.8052911	1.42	0.158	-.4435163	2.724858
_cons	-24.08382	24.19261	-1.00	0.320	-71.67608	23.50844

```
259 .
260 .  local bfw2 bfffpain2 bfffpain4 bfffpain8 bfffpain9 bfffpain11 ///
    >    bfffpain14 bfffpain15 bfffpain17 bfffpain19 bfffpain21 bfffpain22 bfffpai
    > n25 ///
    >     bfffpain28

261 .
262 . set more off

263 . regress WHPpain age educ2-educ7 marrw21-marrw23 marrw25 childw2 ///
    >   emplw22-emplw26 occ1w2-occ8w2 inc1w2-inc4w2 radhlw2 radchw2 ///
    >   radtlw2 havmil `bfw2' avgcumdosew2  bfpn2Xd2-bfpn28Xd2 if gender==2
    note: bfffpain4 omitted because of collinearity

      Source |       SS       df       MS              Number of obs =     363
-------------+------------------------------           F( 54,   308) =   10.16
       Model |  115574.463     54  2140.26784           Prob > F      =  0.0000
    Residual |  64872.4003    308  210.624676           R-squared     =  0.6405
-------------+------------------------------           Adj R-squared =  0.5775
       Total |  180446.864    362  498.471999           Root MSE      =  14.513

------------------------------------------------------------------------------
     WHPpain |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
         age |   .1154821   .1034361     1.12   0.265    -.0880487    .3190129
       educ2 |   13.28915   15.80517     0.84   0.401    -17.81062    44.38891
       educ3 |   9.151751   15.70468     0.58   0.560    -21.75029    40.05379
       educ4 |   10.99618   16.12405     0.68   0.496    -20.73104     42.7234
       educ5 |   8.431832   15.83787     0.53   0.595    -22.73227    39.59594
       educ6 |    7.69973   15.75126     0.49   0.625    -23.29396    38.69342
       educ7 |   1.999607    21.0843     0.09   0.925    -39.48788     43.4871
     marrw21 |   5.143053   5.350017     0.96   0.337    -5.384154    15.67026
     marrw22 |   10.75952   7.316123     1.47   0.142    -3.636387    25.15543
     marrw23 |   3.346352    4.55152     0.74   0.463    -5.609656    12.30236
     marrw25 |   2.205392   6.202753     0.36   0.722    -9.999741    14.41052
     childw2 |   2.369898   1.256144     1.89   0.060    -.1018122    4.841608
     emplw22 |  -1.980152   6.565122    -0.30   0.763    -14.89832    10.93801
     emplw23 |  -3.306183   7.005526    -0.47   0.637    -17.09093    10.47856
     emplw24 |  -6.211803   16.22806    -0.38   0.702    -38.14369    25.72008
     emplw25 |   4.645329    8.04135     0.58   0.564     -11.1776    20.46826
     emplw26 |  -2.972128   7.089966    -0.42   0.675    -16.92303    10.97877
      occ1w2 |   9.651532   7.834401     1.23   0.219    -5.764187    25.06725
      occ2w2 |   11.66846   8.002758     1.46   0.146    -4.078539    27.41545
      occ3w2 |   11.60636   8.224044     1.41   0.159    -4.576055    27.78878
      occ4w2 |   12.44545   8.754492     1.42   0.156    -4.780734    29.67162
      occ5w2 |   10.01407   9.361267     1.07   0.286     -8.40606     28.4342
      occ6w2 |   10.34189   9.270921     1.12   0.265    -7.900459    28.58425
      occ7w2 |   5.076132    8.76648     0.58   0.563    -12.17364     22.3259
      occ8w2 |   7.924044   8.661986     0.91   0.361    -9.120111    24.9682
```

inc1w2	-2.604353	7.957518	-0.33	0.744	-18.26233	13.05362
inc2w2	-2.606828	7.87915	-0.33	0.741	-18.1106	12.89694
inc3w2	-4.498525	7.979853	-0.56	0.573	-20.20045	11.2034
inc4w2	-5.790021	9.418941	-0.61	0.539	-24.32363	12.74359
radhlw2	-.0065327	.0300463	-0.22	0.828	-.0656548	.0525893
radchw2	-.0187895	.0328008	-0.57	0.567	-.0833316	.0457526
radtlw2	.0309927	.0335392	0.92	0.356	-.0350022	.0969876
havmil	-.0011947	.0035708	-0.33	0.738	-.008221	.0058316
bfffpain2	-1.415432	1.016297	-1.39	0.165	-3.415196	.5843323
bfffpain4	0	(omitted)				
bfffpain8	.2429627	.7901223	0.31	0.759	-1.311758	1.797683
bfffpain9	.5709832	1.181039	0.48	0.629	-1.752943	2.89491
bfffpain11	.0918452	.0188769	4.87	0.000	.0547012	.1289891
bfffpain14	-.0008414	.0003427	-2.46	0.015	-.0015158	-.0001671
bfffpain15	-.0017779	.0007611	-2.34	0.020	-.0032754	-.0002803
bfffpain17	2.477668	.5437698	4.56	0.000	1.407695	3.547642
bfffpain19	.0009158	.0007189	1.27	0.204	-.0004988	.0023303
bfffpain21	-.0004104	.0002145	-1.91	0.057	-.0008325	.0000118
bfffpain22	-.0000844	.0001473	-0.57	0.567	-.0003743	.0002055
bfffpain25	.0000282	6.61e-06	4.27	0.000	.0000152	.0000412
bfffpain28	2.51e-06	4.33e-06	0.58	0.563	-6.01e-06	.000011
avgcumdosew2	3.56346	1.629729	2.19	0.030	.3566493	6.770271
bfpn2Xd2	-.3505898	.1909562	-1.84	0.067	-.7263335	.0251539
bfpn11Xd2	-.0334925	.0139726	-2.40	0.017	-.0609863	-.0059986
bfpn14Xd2	.0004129	.0004933	0.84	0.403	-.0005578	.0013836
bfpn15Xd2	.0003043	.0002529	1.20	0.230	-.0001932	.0008019
bfpn17Xd2	-.0380409	.1613166	-0.24	0.814	-.3554628	.2793811
bfpn21Xd2	.0000736	.0001975	0.37	0.710	-.000315	.0004622
bfpn22Xd2	-.0000201	.0001839	-0.11	0.913	-.0003819	.0003417
bfpn28Xd2	5.89e-07	5.58e-06	0.11	0.916	-.0000104	.0000116
_cons	.206243	21.1106	0.01	0.992	-41.333	41.74548

```
264 .
265 . scalar fw2 = e(r2_a)

266 . scalar dsigfw2 = 0
```

```
267 . scalar numMainEffsigFw2 = 8

268 . scalar numbfsigfw2 = 7

269 . scalar numModsigFw2 = 6

270 .
271 . // wave 2 trimmed model of possible socio-demog covariates Female model
272 . set more off

273 . sw, pr(.05):  regress WHPpain age educ2-educ7 marrw21-marrw25 childw2 ///
    >   emplw22-emplw26 occ1w2-occ8w2 inc1w2-inc4w2 avgcumdosew2 if gender==2
                        begin with full model
    p = 0.9572 >= 0.0500  removing emplw24
    p = 0.9409 >= 0.0500  removing marrw25
    p = 0.9122 >= 0.0500  removing emplw26
    p = 0.9474 >= 0.0500  removing emplw22
    p = 0.8518 >= 0.0500  removing educ7
    p = 0.7669 >= 0.0500  removing marrw24
    p = 0.7211 >= 0.0500  removing marrw23
    p = 0.7241 >= 0.0500  removing marrw21
    p = 0.5434 >= 0.0500  removing emplw23
    p = 0.3072 >= 0.0500  removing marrw22
    p = 0.2586 >= 0.0500  removing educ6
    p = 0.7085 >= 0.0500  removing educ5
    p = 0.2170 >= 0.0500  removing inc1w2
    p = 0.4311 >= 0.0500  removing occ6w2
    p = 0.2667 >= 0.0500  removing occ7w2
    p = 0.3623 >= 0.0500  removing occ8w2
    p = 0.3088 >= 0.0500  removing occ5w2
    p = 0.2361 >= 0.0500  removing inc2w2
    p = 0.2095 >= 0.0500  removing avgcumdosew2
    p = 0.1641 >= 0.0500  removing occ1w2
    p = 0.3075 >= 0.0500  removing occ2w2
    p = 0.2069 >= 0.0500  removing inc3w2
    p = 0.2530 >= 0.0500  removing inc4w2
    p = 0.1785 >= 0.0500  removing childw2
    p = 0.1646 >= 0.0500  removing emplw25
    p = 0.1862 >= 0.0500  removing occ4w2

      Source |       SS       df       MS              Number of obs =     363
-------------+------------------------------           F(  5,   357) =   24.44
       Model |  46009.1186     5  9201.82371            Prob > F      =  0.0000
    Residual |  134437.745   357  376.576317            R-squared     =  0.2550
-------------+------------------------------           Adj R-squared =  0.2445
       Total |  180446.864   362  498.471999            Root MSE      =  19.406
```

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.6230948	.0898594	6.93	0.000	.4463745	.799815
educ2	15.43714	4.270325	3.61	0.000	7.038989	23.8353
educ3	9.71084	2.268181	4.28	0.000	5.250165	14.17152
educ4	8.865585	4.225998	2.10	0.037	.5546061	17.17656
occ3w2	12.0167	3.047808	3.94	0.000	6.022781	18.01061
_cons	-19.9821	4.561125	-4.38	0.000	-28.95215	-11.01204

```
274 .
275 . local bfw2 bfffpain2 bfffpain4 bfffpain8 bfffpain9 bfffpain11 ///
    >    bfffpain14 bfffpain15 bfffpain17 bfffpain19 bfffpain21 bfffpain22 bfffpai
    > n25 ///
    >     bfffpain28

276 .
277 .
278 . des WHPpain age educ2-educ7 marrw21-marrw23 marrw25 childw2 ///
    >   emplw22-emplw26 occ1w2-occ8w2 inc1w2-inc4w2 radhlw2 radchw2 ///
    >   radtlw2 havmil avgcumdosew2 `bfw2'

              storage  display     value
variable name   type   format      label      variable label
------------------------------------------------------------------------------
WHPpain         double %9.0g                  Wtd Health Profile Pain Pt 1
                                                subscale
age             byte   %8.0g                * Respondent's age
educ2           byte   %8.0g                  educ==2. graduated high school
educ3           byte   %8.0g                  educ==3. technical degree
educ4           byte   %8.0g                  educ==4. did not finish
                                                college/bachelor's
educ5           byte   %8.0g                  educ==5. graduated
                                                college/bachelor's
educ6           byte   %8.0g                  educ==6. finished
                                                specialist/master's degree
educ7           byte   %8.0g                  educ==7. doctor of science/phd
marrw21         byte   %8.0g                  marrw2==1. single
marrw22         byte   %8.0g                  marrw2==2. cohabitating
marrw23         byte   %8.0g                  marrw2==3. married
marrw25         byte   %8.0g                  marrw2==5. divorced
childw2         byte   %8.0g                  number of children in 1996
emplw22         byte   %8.0g                  emplw2==1. full time
emplw23         byte   %8.0g                  emplw2==2. part time
emplw24         byte   %8.0g                  emplw2==3. voluntary
emplw25         byte   %8.0g                  emplw2==4. retired
emplw26         byte   %8.0g                  emplw2==5. unemployed
occ1w2          byte   %15.0g      LABJ       profess executive administration
```

				in 1996
occ2w2	byte	%15.0g	LABJ	technical sales admin support in 1996
occ3w2	byte	%15.0g	LABJ	service occup protective services in 1996
occ4w2	byte	%15.0g	LABJ	precision prod mechan craft construction in 1996
occ5w2	byte	%15.0g	LABJ	factory laborer machinist transp cleaner in 1996
occ6w2	byte	%15.0g	LABJ	farming agricul forestry fishing trapping logging in 1996
occ7w2	byte	%15.0g	LABJ	homemaking caregiving in 1996
occ8w2	byte	%15.0g	LABJ	student in 1996
inc1w2	byte	%15.0g	LABJ	Income is not sufficient for basic neccessities in 1996
inc2w2	byte	%15.0g	LABJ	Income is just sufficient for basic neccessities in 1996
inc3w2	byte	%15.0g	LABJ	Income is sufficient for basics plus extra purchases/savings in 1996
inc4w2	byte	%15.0g	LABJ	Income allows to comfortably afford luxury items in 1996
radhlw2	byte	%8.0g		how much believed personal health is affected by radiation in 1996
radchw2	byte	%8.0g		believed % of polution related to chornobyl in 1996
radtlw2	byte	%8.0g		believed % of cumulative radiation exposed to in a lifetime in 1996
havmil	double	%9.0g		Distance from Chornobyl in miles
avgcumdosew2	double	%8.0g		Average mean dose CS1337 in mGy for wave 2
bfffpain2	float	%9.0g		max(0, 23 - BSIsoma)
bfffpain4	float	%9.0g		max(0, occ3w2 + 2.13147e-009)
bfffpain8	float	%9.0g		max(0, BSIsoma - 13)
bfffpain9	float	%9.0g		max(0, 13-BSIsoma)
bfffpain11	float	%9.0g		max(0, 80- radw2)*bfffpain8 female pain series
bfffpain14	float	%9.0g		max(0, havmil - 112.275) * bfffpain11
bfffpain15	float	%9.0g		max(0, 112.275 - havmil) * bfffpain11
bfffpain17	float	%9.0g		max(0, defnw2 - 90)* bfffpain4
bfffpain19	float	%9.0g		(CSprbslv != .) * bfffpain15
bfffpain21	float	%9.0g		max(0, CSprbslv - 29) * bfffpain19
bfffpain22	float	%9.0g		max(0, 29-CSprbslv)*bfffpain19
bfffpain25	float	%9.0g		max(0, suchrw2 - 2.24572e-006) *

```
                                                      bfffpain23
    bfffpain28      float  %9.0g                 max(0, age - 28)*bfffpain22

279 .
280 . local bfw2b bfffpain2 bfffpain8 bfffpain9 bfffpain11 ///
    >    bfffpain14 bfffpain15 bfffpain17 bfffpain19 bfffpain21 bfffpain22 bfffpai
    > n25 ///
    >     bfffpain28

281 .
282 . set more off

283 . sw, pr(.05): regress WHPpain age educ2-educ7 marrw21-marrw23 marrw25 childw2
    >  ///
    >   emplw22-emplw26 occ1w2-occ8w2 inc1w2-inc4w2 radhlw2 radchw2 ///
    >   radtlw2 havmil `bfw2b' avgcumdosew2  if gender==2
                          begin with full model
    p = 0.9322 >= 0.0500  removing bfffpain8
    p = 0.9011 >= 0.0500  removing educ7
    p = 0.8266 >= 0.0500  removing avgcumdosew2
    p = 0.8058 >= 0.0500  removing havmil
    p = 0.7994 >= 0.0500  removing radhlw2
    p = 0.8049 >= 0.0500  removing marrw25
    p = 0.7807 >= 0.0500  removing emplw22
    p = 0.7576 >= 0.0500  removing emplw24
    p = 0.6785 >= 0.0500  removing inc1w2
    p = 0.8152 >= 0.0500  removing inc2w2
    p = 0.6250 >= 0.0500  removing emplw26
    p = 0.6253 >= 0.0500  removing emplw23
    p = 0.6328 >= 0.0500  removing marrw23
    p = 0.6232 >= 0.0500  removing inc4w2
    p = 0.5667 >= 0.0500  removing marrw21
    p = 0.5590 >= 0.0500  removing age
    p = 0.5306 >= 0.0500  removing radchw2
    p = 0.4863 >= 0.0500  removing educ6
    p = 0.7893 >= 0.0500  removing educ5
    p = 0.4035 >= 0.0500  removing educ4
    p = 0.4460 >= 0.0500  removing educ3
    p = 0.3171 >= 0.0500  removing occ7w2
    p = 0.3238 >= 0.0500  removing radtlw2
    p = 0.2975 >= 0.0500  removing inc3w2
    p = 0.2508 >= 0.0500  removing occ8w2
    p = 0.2596 >= 0.0500  removing occ5w2
    p = 0.1397 >= 0.0500  removing occ6w2
    p = 0.1313 >= 0.0500  removing marrw22
    p = 0.1129 >= 0.0500  removing bfffpain19
    p = 0.0810 >= 0.0500  removing emplw25
    p = 0.1544 >= 0.0500  removing occ1w2
    p = 0.1989 >= 0.0500  removing occ3w2
```

```
p = 0.2211 >= 0.0500  removing occ4w2
p = 0.2239 >= 0.0500  removing occ2w2
p = 0.1093 >= 0.0500  removing bfffpain9
p = 0.0570 >= 0.0500  removing educ2
```

Source	SS	df	MS		
Model	106840.179	10	10684.0179	Number of obs =	363
Residual	73606.6845	352	209.109899	F(10, 352) =	51.09
				Prob > F =	0.0000
Total	180446.864	362	498.471999	R-squared =	0.5921
				Adj R-squared =	0.5805
				Root MSE =	14.461

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
bfffpain21	-.0003203	.0000909	-3.52	0.000	-.0004991	-.0001416
childw2	2.427672	.9107293	2.67	0.008	.6365168	4.218827
bfffpain14	-.0005502	.000105	-5.24	0.000	-.0007567	-.0003437
bfffpain11	.06743	.0097062	6.95	0.000	.0483405	.0865195
bfffpain15	-.0006398	.0001302	-4.91	0.000	-.0008958	-.0003837
bfffpain22	-.0001255	.0000429	-2.93	0.004	-.0002099	-.0000412
bfffpain28	4.13e-06	1.29e-06	3.19	0.002	1.59e-06	6.68e-06
bfffpain25	.0000307	5.76e-06	5.33	0.000	.0000194	.000042
bfffpain17	2.660815	.3753315	7.09	0.000	1.922641	3.398989
bfffpain2	-1.730386	.211836	-8.17	0.000	-2.147009	-1.313762
_cons	26.92723	2.920023	9.22	0.000	21.18435	32.67012

```
284 . scalar numbfsigfw2=9

285 .
286 . scalar dsigtw2 = 0

287 . scalar numMainEffsigTw2 = 5

288 .
289 . scalar tw2bf = e(r2_a)
```

```
290 .
291 . local bfw2b bfffpain2 bfffpain8 bfffpain9 bfffpain11 ///
    >    bfffpain14 bfffpain15 bfffpain17 bfffpain19 bfffpain21 bfffpain22 bfffpai
    > n25 ///
    >     bfffpain28

292 .
293 . set more off

294 . sw, pr(.05): regress WHPpain age educ2-educ7 marrw21-marrw23 marrw25 childw2
    >  ///
    >   emplw22-emplw26 occ1w2-occ8w2 inc1w2-inc4w2 radhlw2 radchw2 ///
    >   radtlw2 havmil avgcumdosew2 `bfw2b' if gender==2
                          begin with full model
    p = 0.9322 >= 0.0500  removing bfffpain8
    p = 0.9011 >= 0.0500  removing educ7
    p = 0.8266 >= 0.0500  removing avgcumdosew2
    p = 0.8058 >= 0.0500  removing havmil
    p = 0.7994 >= 0.0500  removing radhlw2
    p = 0.8049 >= 0.0500  removing marrw25
    p = 0.7807 >= 0.0500  removing emplw22
    p = 0.7576 >= 0.0500  removing emplw24
    p = 0.6785 >= 0.0500  removing inc1w2
    p = 0.8152 >= 0.0500  removing inc2w2
    p = 0.6250 >= 0.0500  removing emplw26
    p = 0.6253 >= 0.0500  removing emplw23
    p = 0.6328 >= 0.0500  removing marrw23
    p = 0.6232 >= 0.0500  removing inc4w2
    p = 0.5667 >= 0.0500  removing marrw21
    p = 0.5590 >= 0.0500  removing age
    p = 0.5306 >= 0.0500  removing radchw2
    p = 0.4863 >= 0.0500  removing educ6
    p = 0.7893 >= 0.0500  removing educ5
    p = 0.4035 >= 0.0500  removing educ4
    p = 0.4460 >= 0.0500  removing educ3
    p = 0.3171 >= 0.0500  removing occ7w2
    p = 0.3238 >= 0.0500  removing radtlw2
    p = 0.2975 >= 0.0500  removing inc3w2
    p = 0.2508 >= 0.0500  removing occ8w2
    p = 0.2596 >= 0.0500  removing occ5w2
    p = 0.1397 >= 0.0500  removing occ6w2
    p = 0.1313 >= 0.0500  removing marrw22
    p = 0.1129 >= 0.0500  removing bfffpain19
    p = 0.0810 >= 0.0500  removing emplw25
    p = 0.1544 >= 0.0500  removing occ1w2
    p = 0.1989 >= 0.0500  removing occ3w2
    p = 0.2211 >= 0.0500  removing occ4w2
    p = 0.2239 >= 0.0500  removing occ2w2
    p = 0.1093 >= 0.0500  removing bfffpain9
```

p = **0.0570** >= 0.0500 removing **educ2**

Source	SS	df	MS		
Model	**106840.179**	**10**	**10684.0179**	Number of obs =	**363**
Residual	**73606.6845**	**352**	**209.109899**	F(10, 352) =	**51.09**
				Prob > F =	**0.0000**
Total	**180446.864**	**362**	**498.471999**	R-squared =	**0.5921**
				Adj R-squared =	**0.5805**
				Root MSE =	**14.461**

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
bfffpain28	**4.13e-06**	**1.29e-06**	**3.19**	**0.002**	**1.59e-06**	**6.68e-06**
bfffpain17	**2.660815**	**.3753315**	**7.09**	**0.000**	**1.922641**	**3.398989**
bfffpain11	**.06743**	**.0097062**	**6.95**	**0.000**	**.0483405**	**.0865195**
childw2	**2.427672**	**.9107293**	**2.67**	**0.008**	**.6365168**	**4.218827**
bfffpain14	**-.0005502**	**.000105**	**-5.24**	**0.000**	**-.0007567**	**-.0003437**
bfffpain21	**-.0003203**	**.0000909**	**-3.52**	**0.000**	**-.0004991**	**-.0001416**
bfffpain25	**.0000307**	**5.76e-06**	**5.33**	**0.000**	**.0000194**	**.000042**
bfffpain2	**-1.730386**	**.211836**	**-8.17**	**0.000**	**-2.147009**	**-1.313762**
bfffpain15	**-.0006398**	**.0001302**	**-4.91**	**0.000**	**-.0008958**	**-.0003837**
bfffpain22	**-.0001255**	**.0000429**	**-2.93**	**0.004**	**-.0002099**	**-.0000412**
_cons	**26.92723**	**2.920023**	**9.22**	**0.000**	**21.18435**	**32.67012**

```
295 .
296 .
297 .
298 . * Moderator  Wave 2 female analysis
299 .
300 . foreach num in 2 11 14 15 17 21 22 28 {
      2. cap gen childw2*d2 = childw2*
      3. cap gen bfpn`num'Xd2 = bfffpain`num'*avgcumdosew2
      4.  }

301 .
302 .
```

```
303 . local bfw2b bfffpain2 bfffpain8 bfffpain9 bfffpain11 ///
    >    bfffpain14 bfffpain15 bfffpain17 bfffpain19 bfffpain21 bfffpain22 bfffpai
    > n25 ///
    >     bfffpain28

304 .
305 . set more off

306 . sw, pr(.05): regress WHPpain age educ2-educ7 marrw21-marrw23 marrw25 childw2
    >  ///
    >   emplw22-emplw26 occ1w2-occ8w2 inc1w2-inc4w2 radhlw2 radchw2 ///
    >   radtlw2 havmil avgcumdosew2 `bfw2b' bfpn2Xd2-bfpn28Xd2 if gender==2
                          begin with full model
    p = 0.9245 >= 0.0500  removing educ7
    p = 0.9217 >= 0.0500  removing bfpn28Xd2
    p = 0.9590 >= 0.0500  removing bfpn22Xd2
    p = 0.8312 >= 0.0500  removing radhlw2
    p = 0.7608 >= 0.0500  removing emplw22
    p = 0.7857 >= 0.0500  removing emplw24
    p = 0.7880 >= 0.0500  removing emplw26
    p = 0.7685 >= 0.0500  removing inc1w2
    p = 0.9257 >= 0.0500  removing inc2w2
    p = 0.7604 >= 0.0500  removing bfpn17Xd2
    p = 0.7546 >= 0.0500  removing havmil
    p = 0.7437 >= 0.0500  removing bfffpain8
    p = 0.7403 >= 0.0500  removing marrw25
    p = 0.6147 >= 0.0500  removing emplw23
    p = 0.5944 >= 0.0500  removing occ7w2
    p = 0.5424 >= 0.0500  removing inc4w2
    p = 0.5502 >= 0.0500  removing marrw23
    p = 0.5259 >= 0.0500  removing marrw21
    p = 0.5093 >= 0.0500  removing educ6
    p = 0.7514 >= 0.0500  removing educ5
    p = 0.6086 >= 0.0500  removing bfpn21Xd2
    p = 0.4619 >= 0.0500  removing radchw2
    p = 0.4863 >= 0.0500  removing radtlw2
    p = 0.3949 >= 0.0500  removing educ3
    p = 0.3798 >= 0.0500  removing educ4
    p = 0.3797 >= 0.0500  removing bfpn14Xd2
    p = 0.4098 >= 0.0500  removing age
    p = 0.3250 >= 0.0500  removing inc3w2
    p = 0.2632 >= 0.0500  removing occ8w2
    p = 0.2183 >= 0.0500  removing occ5w2
    p = 0.2256 >= 0.0500  removing marrw22
    p = 0.1998 >= 0.0500  removing bfffpain9
    p = 0.2241 >= 0.0500  removing occ6w2
    p = 0.1217 >= 0.0500  removing educ2
    p = 0.1268 >= 0.0500  removing occ4w2
    p = 0.1960 >= 0.0500  removing occ1w2
```

```
p = 0.1991 >= 0.0500  removing occ3w2
p = 0.1797 >= 0.0500  removing emplw25
p = 0.2060 >= 0.0500  removing occ2w2
p = 0.0512 >= 0.0500  removing bfffpain19
```

Source	SS	df	MS		
Model	109377.744	14	7812.69602	Number of obs =	363
Residual	71069.1193	348	204.221607	F(14, 348) =	38.26
				Prob > F =	0.0000
Total	180446.864	362	498.471999	R-squared =	0.6061
				Adj R-squared =	0.5903
				Root MSE =	14.291

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
bfffpain28	4.20e-06	1.29e-06	3.27	0.001	1.67e-06	6.73e-06
bfpn11Xd2	-.0307061	.0110038	-2.79	0.006	-.0523485	-.0090638
bfffpain22	-.0001342	.0000425	-3.16	0.002	-.0002179	-.0000505
bfffpain25	.0000297	5.70e-06	5.21	0.000	.0000185	.0000409
bfffpain2	-1.333867	.2578317	-5.17	0.000	-1.840972	-.8267629
bfffpain21	-.0003365	.0000905	-3.72	0.000	-.0005144	-.0001585
avgcumdosew2	4.084977	1.323952	3.09	0.002	1.481023	6.688932
bfpn2Xd2	-.3646002	.1723056	-2.12	0.035	-.7034917	-.0257088
bfffpain15	-.0008939	.000172	-5.20	0.000	-.0012321	-.0005557
bfffpain11	.0985088	.0147951	6.66	0.000	.0694097	.1276078
bfffpain14	-.0005838	.0001065	-5.48	0.000	-.0007932	-.0003744
childw2	2.679788	.9089188	2.95	0.003	.8921225	4.467453
bfpn15Xd2	.0002578	.0001033	2.50	0.013	.0000547	.0004609
bfffpain17	2.531805	.3771758	6.71	0.000	1.789974	3.273636
_cons	22.00118	3.278805	6.71	0.000	15.55241	28.44995

```
307 .
308 . scalar numModsigTw2 = 6

309 .
310 . scalar tw2nobf = e(r2_a)
```

```
311 .
312 . scalar numbfsigTw2=9

313 . scalar w2numbf = 9

314 .
315 . scalar r2chabfw2 = tw2bf - tw2nobf

316 .
317 . matrix define FemaleWHPpainr2w2 = ( fw2 , tw2bf, tw2nobf, w2numbf, r2chabfw2
    > )

318 . matrix colnames FemaleWHPpainr2w2 = FullBFR2a TR2aBF  TR2aNoBF  NumBF  BFR2c
    > ha

319 . matrix rownames FemaleWHPpainr2w2 = wave2

320 . matlist FemaleWHPpainr2w2

             | FullBFR2a     TR2aBF   TR2aNoBF      NumBF    BFR2cha
-------------+-------------------------------------------------------
       wave2 |  .5774594   .5804982   .5903048          9  -.0098066

321 .
322 .
323 . *------------ Mediators for wave 2 female Pain analysis
324 .
325 . scalar FemPainW2Med = "age"

326 . scalar numMedFw2 = 1

327 . // age is possible mediator at wave1 for female Pain
328 .
329 . sem (avgcumdosew2->age)(age->whppain) if gender==2, nocapslatent

    Endogenous variables

    Observed:  age whppain

    Exogenous variables

    Observed:  avgcumdosew2

    Fitting target model:

    Iteration 0:   log likelihood = -3650.6934
    Iteration 1:   log likelihood = -3650.6934
```

```
Structural equation model                       Number of obs      =       363
Estimation method  = ml
Log likelihood     = -3650.6934

------------------------------------------------------------------------------
             |                 OIM
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Structural   |
  age <-     |
    avgcumdosew2 |   1.502324   .4441722     3.38   0.001     .6317629    2.372886
           _cons |   48.86944   .7303023    66.92   0.000     47.43808    50.30081
-------------+----------------------------------------------------------------
  whppain <- |
           age |   .7333239   .0909308     8.06   0.000     .5551028     .9115451
           _cons |   -18.8122   4.691527    -4.01   0.000    -28.00742   -9.616977
-------------+----------------------------------------------------------------
Variance     |
           e.age |    136.164   10.10704                      117.7281    157.4869
        e.whppain |    421.567   31.29164                      364.4891    487.5832
------------------------------------------------------------------------------

LR test of model vs. saturated: chi2(1)   =      3.09, Prob > chi2 = 0.0788
```

```
330 . sem (avgcumdosew2-> radhlw2)(radhlw2->whppain) if gender==2, nocapslatent

Endogenous variables

Observed:  radhlw2 whppain

Exogenous variables

Observed:  avgcumdosew2

Fitting target model:
```

```
Iteration 0:   log likelihood = -4058.1465
Iteration 1:   log likelihood = -4058.1465

Structural equation model                       Number of obs      =       363
Estimation method  = ml
Log likelihood     = -4058.1465

------------------------------------------------------------------------------
> ----
             |                 OIM
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Inter
> val]
-------------+----------------------------------------------------------------
> ----
Structural   |
  radhlw2 <- |
    avgcumdo~2 |   3.302288   1.280292     2.58   0.010     .7929628    5.81
> 1614
       _cons |   56.95167   2.105039    27.05   0.000     52.82587    61.0
> 7747
-------------+----------------------------------------------------------------
> ----
  whppain <- |
       radhlw2 |   .1254455    .033843     3.71   0.000     .0591145    .191
> 7764
       _cons |   10.49625   2.330286     4.50   0.000     5.928969    15.0
> 6352
-------------+----------------------------------------------------------------
> ----
Variance     |
      e.radhlw2 |   1131.299   83.97289                      978.1272    1308
> .457
      e.whppain |   478.9698   35.55247                      414.1198     553
> .975
------------------------------------------------------------------------------
> ----
LR test of model vs. saturated: chi2(1)   =      6.14, Prob > chi2 = 0.0132
```

```
331 . sem (avgcumdosew2-> educ3)(educ3-> whppain) if gender==2, nocapslatent

    Endogenous variables

    Observed:  educ3 whppain

    Exogenous variables

    Observed:  avgcumdosew2

    Fitting target model:

    Iteration 0:   log likelihood = -2513.8181
    Iteration 1:   log likelihood = -2513.8181

    Structural equation model                       Number of obs      =       363
    Estimation method  = ml
    Log likelihood     = -2513.8181

------------------------------------------------------------------------------
> ----
             |                 OIM
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Inter
> val]
-------------+----------------------------------------------------------------
> ----
Structural   |
  educ3 <-   |
    avgcumdosew2 |   .0154942   .0181684     0.85   0.394    -.0201153     .051
> 1037
           _cons |    .338741   .0298723    11.34   0.000     .2801923     .397
> 2897
-------------+----------------------------------------------------------------
> ----
  whppain <- |
           educ3 |   8.718987   2.406133     3.62   0.000     4.003054    13.4
> 3492
           _cons |   14.93711   1.428799    10.45   0.000     12.13671     17.
> 7375
-------------+----------------------------------------------------------------
> ----
Variance     |
         e.educ3 |   .2278218   .0169105                      .196976     .263
> 4981
       e.whppain |   479.7449   35.61001                       414.79    554.
> 8716
------------------------------------------------------------------------------
> ----
    LR test of model vs. saturated: chi2(1)   =      7.82, Prob > chi2 = 0.0052
```

```
332 .
333 .
334 .
335 .
336 .
337 .
338 .
339 .
340 . matrix define H1p1FPnDosew2 = (hyp, pt, wv, dsigfw2, dsigtw2, numMainEffsigF
    > w2, numMainEffsigTw2, numModsigFw2, numModsigTw2,numbfsigfw2,numbfsigtw2, nu
    > mMedFw2)

341 . matrix  colnames H1p1FPnDosew2 = hypnum ptnum wv dsigfw2 dsigtw2 numMainEffs
    > igFw2 numMainEffsigTw2 numModFw2 numModTw2 numbfsigfw2 numbfsigtw2 numMedw2

342 . matrix  rownames H1p1FPnDosew2 = wave2

343 . matlist H1p1FPnDosew2

             |    hypnum      ptnum         wv    dsigfw2    dsigtw2  numMain~
> 2  numMain~2  numModFw2  numModTw2  numbfsi~2  numbfsi~2   numMedw2
-------------+------------------------------------------------------------------
> -------------------------------------------------------------------------------
       wave2 |         1          1          2          0          0
> 8          5          6          6          9          9          1

344 .
345 .
346 .
347 .
348 . matrix define  H1p1FPnDose =  (H1p1FPnDosew1 \ H1p1FPnDosew2)

349 . matlist  H1p1FPnDose

             |    hypnum      ptnum         wv    dsigfw1    dsigtw1  numMain~
> 1  numMain~1  numModFw1  numModTw1  numbfsi~1  numbfsi~1   numMedw1
-------------+------------------------------------------------------------------
> -------------------------------------------------------------------------------
       wave1 |         1          1          1          0          3
> 5          5          0          1          1          4          2
       wave2 |         1          1          2          0          0
> 8          5          6          6          9          9          1
```

```
350 .
351 .
352 .
353 .
354 .
355 .
356 . matrix define  FemaleWHPpainr2 = (FemaleWHPpainr2w1 \ FemaleWHPpainr2w2)

357 . matlist FemaleWHPpainr2
```

	FullBFR2a	TR2aBF	TR2aNoBF	NumBF	BFR2cha
wave1	.4791464	.4802996	.2066858	4	.2736138
wave2	.5774594	.5804982	.5903048	9	-.0098066

```
358 .
359 . //  wave 3 possible socio-demog covariates full Female model
360 . regress WHPpain age educ2-educ7 marrw21-marrw23 marrw25 childw2 ///
>   emplw22-emplw26 occ1w2-occ8w2 inc1w2-inc4w2 avgcumdosew3 if gender==2
```

Source	SS	df	MS		
Model	54303.4641	30	1810.11547	Number of obs	363
				F(30, 332)	4.76
Residual	126143.399	332	379.949998	Prob > F	0.0000
				R-squared	0.3009
				Adj R-squared	0.2378
Total	180446.864	362	498.471999	Root MSE	19.492

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.451312	.1262238	3.58	0.000	.2030127	.6996113
educ2	21.83169	20.66213	1.06	0.291	-18.8135	62.47689
educ3	16.47045	20.5768	0.80	0.424	-24.00689	56.94779
educ4	17.00998	20.94081	0.81	0.417	-24.18342	58.20339
educ5	10.34506	20.71968	0.50	0.618	-30.41335	51.10346
educ6	9.284717	20.61879	0.45	0.653	-31.27522	49.84466
educ7	-2.695125	24.85129	-0.11	0.914	-51.58098	46.19073
marrw21	-2.808585	6.559784	-0.43	0.669	-15.71257	10.0954
marrw22	6.263256	9.103134	0.69	0.492	-11.64384	24.17035
marrw23	-1.458947	5.441672	-0.27	0.789	-12.16345	9.245557
marrw25	.2516819	7.87482	0.03	0.975	-15.23915	15.74252
childw2	2.021102	1.633542	1.24	0.217	-1.192296	5.234499
emplw22	-.865502	8.673983	-0.10	0.921	-17.9284	16.19739
emplw23	1.585315	9.225663	0.17	0.864	-16.56281	19.73344
emplw24	1.090386	21.51403	0.05	0.960	-41.23061	43.41138
emplw25	9.677531	10.1893	0.95	0.343	-10.36619	29.72125
emplw26	-.7871549	9.410992	-0.08	0.933	-19.29985	17.72554
occ1w2	22.02818	10.25385	2.15	0.032	1.85748	42.19888
occ2w2	23.43548	10.52232	2.23	0.027	2.736654	44.1343

```
       occ3w2 |   34.68356   10.52971     3.29   0.001     13.97019    55.39692
       occ4w2 |   28.65363   11.26933     2.54   0.011     6.485331    50.82193
       occ5w2 |   23.89805   12.18719     1.96   0.051    -.0757981    47.87189
       occ6w2 |   17.75189   12.18992     1.46   0.146     -6.22733    41.73112
       occ7w2 |   17.04188   11.32591     1.50   0.133    -5.237707    39.32147
       occ8w2 |   19.42365   11.30918     1.72   0.087    -2.823032    41.67034
       inc1w2 |  -12.89156   10.42463    -1.24   0.217    -33.39823    7.615104
       inc2w2 |  -18.08865   10.23402    -1.77   0.078    -38.22035    2.043046
       inc3w2 |  -20.26125   10.30878    -1.97   0.050    -40.54002    .0175242
       inc4w2 |  -26.12812   12.24258    -2.13   0.034    -50.21092   -2.045309
avgcumdosew3 |   .7617149   .6204869     1.23   0.220    -.4588666    1.982296
        _cons |  -24.90371   24.08813    -1.03   0.302    -72.28832    22.48089
------------------------------------------------------------------------------
```

```
361 .
362 . des WHPpain age educ2-educ7 marrw31-marrw33 marrw35 childw3 ///
    >   emplw32-emplw35 occ1w3-occ8w3 inc1w3-inc4w3 radhlw3 radchw3 ///
    >   radtlw3 havmil

              storage  display     value
variable name   type   format      label      variable label
------------------------------------------------------------------------------
WHPpain         double %9.0g                  Wtd Health Profile Pain Pt 1
                                                subscale
age             byte   %8.0g                * Respondent's age
educ2           byte   %8.0g                  educ==2. graduated high school
educ3           byte   %8.0g                  educ==3. technical degree
educ4           byte   %8.0g                  educ==4. did not finish
                                                college/bachelor's
educ5           byte   %8.0g                  educ==5. graduated
                                                college/bachelor's
educ6           byte   %8.0g                  educ==6. finished
                                                specialist/master's degree
educ7           byte   %8.0g                  educ==7. doctor of science/phd
marrw31         byte   %8.0g                  marrw3==1. single
marrw32         byte   %8.0g                  marrw3==2. cohabitating
marrw33         byte   %8.0g                  marrw3==3. married
marrw35         byte   %8.0g                  marrw3==5. divorced
childw3         byte   %8.0g                  number of children now
emplw32         byte   %8.0g                  emplw3==2. part time
emplw33         byte   %8.0g                  emplw3==4. retired
emplw34         byte   %8.0g                  emplw3==5. unemployed
emplw3          byte   %15.0g      LABI       mode of employment now
occ1w1          byte   %15.0g      LABJ       profess executive administration
                                                in 1986
occ2w1          byte   %15.0g      LABJ       technical sales admin support in
                                                1986
occ3w1          byte   %15.0g      LABJ       service occup protective
                                                services in 1986
```

occ4w1	byte	%15.0g	LABJ	**precision prod mechan craft construction in 1986**
occ5w1	byte	%15.0g	LABJ	**factory laborer machinist transp cleaner in 1986**
occ6w1	byte	%15.0g	LABJ	**farming agricul forestry fishing trapping logging in 1986**
occ7w1	byte	%15.0g	LABJ	**homemaking or caregiving in 1986**
occ8w1	byte	%15.0g	LABJ	**student in 1986**
occ1w2	byte	%15.0g	LABJ	**profess executive administration in 1996**
occ2w2	byte	%15.0g	LABJ	**technical sales admin support in 1996**
occ3w2	byte	%15.0g	LABJ	**service occup protective services in 1996**
occ4w2	byte	%15.0g	LABJ	**precision prod mechan craft construction in 1996**
occ5w2	byte	%15.0g	LABJ	**factory laborer machinist transp cleaner in 1996**
occ6w2	byte	%15.0g	LABJ	**farming agricul forestry fishing trapping logging in 1996**
occ7w2	byte	%15.0g	LABJ	**homemaking caregiving in 1996**
occ8w2	byte	%15.0g	LABJ	**student in 1996**
occ1w3	byte	%15.0g	LABJ	**professional executive administration now**
occ2w3	byte	%15.0g	LABJ	**technical sales admin support now**
occ3w3	byte	%15.0g	LABJ	**service occup protective services now**
occ4w3	byte	%15.0g	LABJ	**precision prod mechan craft construction now**
occ5w3	byte	%15.0g	LABJ	**factory laborer machinist transp cleaner now**
occ6w3	byte	%15.0g	LABJ	**farming agricul forestry fishing trapping logging now**
occ7w3	byte	%15.0g	LABJ	**homemaking or caregiving now**
occ8w3	byte	%15.0g	LABJ	**student now**
inc1w1	byte	%15.0g	LABJ	**Income is not sufficient for basic neccessities in 1986**
inc2w1	byte	%15.0g	LABJ	**Income is just sufficient for basic neccessities in 1986**
inc3w1	byte	%15.0g	LABJ	**Income is sufficient for basics plus extra purchases/savings in 1986**
inc4w1	byte	%15.0g	LABJ	**Income allows to comfortably afford luxury items in 1986**
inc1w2	byte	%15.0g	LABJ	**Income is not sufficient for basic neccessities in 1996**
inc2w2	byte	%15.0g	LABJ	**Income is just sufficient for basic neccessities in 1996**

inc3w2	byte	%15.0g	LABJ	**Income is sufficient for basics plus extra purchases/savings in 1996**
inc4w2	byte	%15.0g	LABJ	**Income allows to comfortably afford luxury items in 1996**
inc1w3	byte	%15.0g	LABJ	**Income is not sufficient for basic neccessities NOW**
inc2w3	byte	%15.0g	LABJ	**Income is just sufficient for basic neccessities NOW**
inc3w3	byte	%15.0g	LABJ	**Income is sufficient for basics plus extra purchases/savings NOW**
inc4w3	byte	%15.0g	LABJ	**Income allows to comfortably afford luxury items NOW**
jsw1	byte	%8.0g		**Job satisfaction on a scale of 0-100% in 1986**
jsw2	byte	%8.0g		**Job satisfaction on a scale of 0-100% in 1996**
jsw3	byte	%8.0g		**Job satisfaction on a scale of 0-100% NOW**
deaw1	byte	%8.0g		**Total number of death experienced in time period 1986**
deaw2	byte	%8.0g		**Total number of death experienced in time period 1996**
deaw3	byte	%8.0g		**Total number of death experienced in time period 1996-NOW**
dvcew1	byte	%8.0g		**Total number of divorces experienced in time period 1976-1986**
dvcew2	byte	%8.0g		**Total number of divorces experienced in time period 1987-1996**
dvcew3	byte	%8.0g		**Total number of divorces experienced in time period 1996-NOW**
sepaw1	byte	%8.0g		**Total number of separations experienced in time period 1976-1986**
sepaw2	byte	%8.0g		**Total number of separations experienced in time period 1987-1996**
sepaw3	byte	%8.0g		**Total number of separations experienced in time period 1996-NOW**
accdw1	byte	%8.0g		**Total number of accidents experienced in time period**

				1976-1986
accdw2	byte	%8.0g		**Total number of accidents experienced in time period 1987-1996**
accdw3	byte	%8.0g		**Total number of accidents experienced in time period 1996-NOW**
cataw1	byte	%8.0g		**Total number of disasters experienced in time period 1976-1986**
cataw2	byte	%8.0g		**Total number of disasters experienced in time period 1987-1996**
cataw3	byte	%8.0g		**Total number of disasters experienced in time period 1996-NOW**
illw1	byte	%8.0g		**Total number of illnesses experienced in time period 1976-1986**
illw2	byte	%8.0g		**Total number of illnesses experienced in time period 1987-1996**
illw3	byte	%8.0g		**Total number of illnesses experienced in time period 1996-NOW**
movew1	byte	%8.0g		**Total number of moves experienced in time period 1976-1986**
movew2	byte	%8.0g		**Total number of moves experienced in time period 1987-1996**
movew3	byte	%8.0g		**Total number of moves experienced in time period 1996-NOW**
shjobw1	byte	%8.0g		**Percentage of strains and hassles related to job in 1986**
shjobw2	byte	%8.0g		**Percentage of strains and hassles related to job in 1996**
shjobw3	byte	%8.0g	*	**Percentage of strains and hassles related to job NOW**
shfamw1	byte	%8.0g		**Percentage of strains and hassles related to family in 1986**
shfamw2	byte	%8.0g		**Percentage of strains and hassles related to family in 1996**
shfamw3	byte	%8.0g		**Percentage of strains and hassles related to family NOW**
shhlw1	byte	%8.0g		**Percentage of strains and**

			hassles related to health in 1986
shhlw2	byte	%8.0g	**Percentage of strains and hassles related to health in 1996**
shhlw3	byte	%8.0g	**Percentage of strains and hassles related to health NOW**
shfincw1	byte	%8.0g	**Percentage of strains and hassles related to finances in 1986**
shfincw2	byte	%8.0g	**Percentage of strains and hassles related to finances in 1996**
shfincw3	byte	%8.0g	**Percentage of strains and hassles related to finances NOW**
shhousw1	byte	%8.0g	**Percentage of strains and hassles related to housing in 1986**
shhousw2	byte	%8.0g	**Percentage of strains and hassles related to housing in 1996**
shhousw3	byte	%8.0g	**Percentage of strains and hassles related to housing NOW**
shrelaw1	byte	%8.0g	**Percentage of strains and hassles related to relationships in 1986**
shrelaw2	byte	%8.0g	**Percentage of strains and hassles related to relationships in 1996**
shrelaw3	byte	%8.0g	**Percentage of strains and hassles related to relationships NOW**
suprtw1	byte	%8.0g	**Level of support (in percent) from partner in 1986**
suprtw2	byte	%8.0g	**Level of support (in percent) from partner in 1996**
suprtw3	byte	%8.0g	**Level of support (in percent) from partner NOW**
sufamw1	byte	%8.0g	**Level of support (in percent) from family in 1986**
sufamw2	byte	%8.0g	**Level of support (in percent) from family in 1996**
sufamw3	byte	%8.0g	**Level of support (in percent) from family in NOW**
suchrw1	byte	%8.0g	**Level of support (in percent) from Chernobyl survivor benefits in 1986**
suchrw2	byte	%8.0g	**Level of support (in percent)**

				from Chernobyl survivor benefits in 1996
suchrw3	byte	%8.0g		Level of support (in percent) from Chernobyl survivor benefits NOW
phlthw1	byte	%8.0g		level of general physical health in 1986
phlthw2	byte	%8.0g		level of general physical health in 1996
phlthw3	byte	%8.0g		level of general physical health now
mhlthw1	byte	%8.0g		level of general psychological/mental health in 1986
mhlthw2	byte	%8.0g		level of general psychological/mental health in 1996
mhlthw3	byte	%8.0g		level of general psychological/mental health now
nil1w1	byte	%26.0g	ill862	name of illness 1 in time period from 1977 to 1986
nil2w1	byte	%26.0g	ill862	name of illness 2 in time period from 1977 to 1986
nil3w1	byte	%26.0g	ill862	name of illness 3 in time period from 1977 to 1986
nil4w1	byte	%26.0g	ill862	name of illness 4 in time period from 1977 to 1986
nil5w1	byte	%26.0g	ill862	name of illness 5 in time period from 1977 to 1986
nil6w1	byte	%26.0g	ill862	name of illness 6 in time period from 1977 to 1986
nil7w1	byte	%26.0g	ill862	name of illness 7 in time period from 1977 to 1986
nil8w1	byte	%26.0g	ill862	name of illness 8 in time period from 1977 to 1986
nil9w1	byte	%26.0g	ill862	name of illness 9 in time period from 1977 to 1986
nil10w1	byte	%26.0g	ill862	name of illness 10 in time period from 1977 to 1986
dil1w1	long	%d		date of onset for illness 1 in time period from 1977 to 1986
dil2w1	int	%d		date of onset for illness 2 in time period from 1977 to 1986
dil3w1	int	%d		date of onset for illness 3 in time period from 1977 to 1986
dil4w1	int	%d		date of onset for illness 4 in time period from 1977 to 1986
dil5w1	int	%d		date of onset for illness 5 in

				time period from 1977 to 1986
dil6w1	byte	%d		**date of onset for illness 6 in time period from 1977 to 1986**
dil7w1	byte	%d		**date of onset for illness 7 in time period from 1977 to 1986**
dil8w1	byte	%d		**date of onset for illness 8 in time period from 1977 to 1986**
dil9w1	byte	%d		**date of onset for illness 9 in time period from 1977 to 1986**
dil10w1	byte	%d		**date of onset for illness 10 in time period from 1977 to 1986**
dril1w1	double	%9.0g		**duration of illness 1 in years in time period from 1977 to 1986**
dril2w1	double	%9.0g		**duration of illness 2 in years in time period from 1977 to 1986**
dril3w1	byte	%8.0g		**duration of illness 3 in years in time period from 1977 to 1986**
dril4w1	byte	%8.0g		**duration of illness 4 in years in time period from 1977 to 1986**
dril5w1	byte	%8.0g		**duration of illness 5 in years in time period from 1977 to 1986**
dril6w1	byte	%8.0g		**duration of illness 6 in years in time period from 1977 to 1986**
dril7w1	byte	%8.0g		**duration of illness 7 in years in time period from 1977 to 1986**
dril8w1	byte	%8.0g		**duration of illness 8 in years in time period from 1977 to 1986**
dril9w1	byte	%8.0g		**duration of illness 9 in years in time period from 1977 to 1986**
dril10w1	byte	%8.0g		**duration of illness 10 in years in time period from 1977 to 1986**
pil1w1	byte	%15.0g	LABC	**persistence of illness 1 in time period fro 1977 to 1986**
pil2w1	byte	%15.0g	LABC	**persistence of illness 2 in time period fro 1977 to 1986**
pil3w1	byte	%15.0g	LABC	**persistence of illness 3 in time period fro 1977 to 1986**
pil4w1	byte	%15.0g	LABC	**persistence of illness 4 in time period fro 1977 to 1986**

pil5w1	byte	%15.0g	LABC	**persistence of illness 5 in time period fro 1977 to 1986**
pil6w1	byte	%15.0g	LABC	**persistence of illness 6 in time period fro 1977 to 1986**
pil7w1	byte	%15.0g	LABC	**persistence of illness 7 in time period fro 1977 to 1986**
pil8w1	byte	%15.0g	LABC	**persistence of illness 8 in time period fro 1977 to 1986**
pil9w1	byte	%15.0g	LABC	**persistence of illness 9 in time period fro 1977 to 1986**
pil10w1	byte	%15.0g	LABC	**persistence of illness 10 in time period fro 1977 to 1986**
nil1w2	byte	%26.0g	ill862	**name of illness 1 in time period from 1987-1996**
nil2w2	byte	%26.0g	ill862	**name of illness 2 in time period from 1987-1996**
nil3w2	byte	%26.0g	ill862	**name of illness 3 in time period from 1987-1996**
nil4w2	byte	%26.0g	ill862	**name of illness 4 in time period from 1987-1996**
nil5w2	byte	%26.0g	ill862	**name of illness 5 in time period from 1987-1996**
nil6w2	byte	%26.0g	ill862	**name of illness 6 in time period from 1987-1996**
nil7w2	byte	%26.0g	ill862	**name of illness 7 in time period from 1987-1996**
nil8w2	byte	%26.0g	ill862	**name of illness 8 in time period from 1987-1996**
nil9w2	byte	%26.0g	ill862	**name of illness 9 in time period from 1987-1996**
nil10w2	byte	%26.0g	ill862	**name of illness 10 in time period from 1987-1996**
dil1w2	long	%d		**date of onset of illness 1 in time period from 1987-1996**
dil2w2	long	%d		**date of onset of illness 2 in time period from 1987-1996**
dil3w2	int	%d		**date of onset of illness 3 in time period from 1987-1996**
dil4w2	int	%d		**date of onset of illness 4 in time period from 1987-1996**
dil5w2	int	%d		**date of onset of illness 5 in time period from 1987-1996**
dil6w2	int	%d		**date of onset of illness 6 in time period from 1987-1996**
dil7w2	int	%d		**date of onset of illness 7 in time period from 1987-1996**
dil8w2	byte	%d		**date of onset of illness 8 in time period from 1987-1996**
dil9w2	byte	%d		**date of onset of illness 9 in**

				time period from 1987-1996
dil10w2	byte	%d		**date of onset of illness 10 in time period from 1987-1996**
dril1w2	double	%9.0g		**duration of illness 1 in years in time period from 1987 to 1996**
dril2w2	byte	%9.0g		**duration of illness 2 in years in time period from 1987 to 1996**
dril3w2	byte	%8.0g		**duration of illness 3 in years in time period from 1987 to 1996**
dril4w2	byte	%8.0g		**duration of illness 4 in years in time period from 1987 to 1996**
dril5w2	byte	%8.0g		**duration of illness 5 in years in time period from 1987 to 1996**
dril6w2	byte	%8.0g		**duration of illness 6 in years in time period from 1987 to 1996**
dril7w2	byte	%8.0g		**duration of illness 7 in years in time period from 1987 to 1996**
dril8w2	byte	%8.0g		**duration of illness 8 in years in time period from 1987 to 1996**
dril9w2	byte	%8.0g		**duration of illness 9 in years in time period from 1987 to 1996**
dril10w2	byte	%8.0g		**duration of illness 10 in years in time period from 1987 to 1996**
pil1w2	byte	%15.0g	LABC	**persistence of illness 1 in time period from 1987 to 1996**
pil2w2	byte	%15.0g	LABC	**persistence of illness 2 in time period from 1987 to 1996**
pil3w2	byte	%15.0g	LABC	**persistence of illness 3 in time period from 1987 to 1996**
pil4w2	byte	%15.0g	LABC	**persistence of illness 4 in time period from 1987 to 1996**
pil5w2	byte	%15.0g	LABC	**persistence of illness 5 in time period from 1987 to 1996**
pil6w2	byte	%15.0g	LABC	**persistence of illness 6 in time period from 1987 to 1996**
pil7w2	byte	%15.0g	LABC	**persistence of illness 7 in time period from 1987 to 1996**
pil8w2	byte	%15.0g	LABC	**persistence of illness 8 in time period from 1987 to 1996**

pil9w2	byte	%15.0g	LABC	**persistence of illness 9 in time period from 1987 to 1996**
pil10w2	byte	%15.0g	LABC	**persistence of illness 10 in time period from 1987 to 1996**
nil1w3	byte	%26.0g	ill862	**name of illness 1 in time period now**
nil2w3	byte	%26.0g	ill862	**name of illness 2 in time period now**
nil3w3	byte	%26.0g	ill862	**name of illness 3 in time period now**
nil4w3	byte	%26.0g	ill862	**name of illness 4 in time period now**
nil5w3	byte	%26.0g	ill862	**name of illness 5 in time period now**
nil6w3	byte	%26.0g	ill862	**name of illness 6 in time period now**
nil7w3	byte	%26.0g	ill862	**name of illness 7 in time period now**
nil8w3	byte	%26.0g	ill862	**name of illness 8 in time period now**
nil9w3	byte	%26.0g	ill862	**name of illness 9 in time period now**
nil10w3	byte	%26.0g	ill862	**name of illness 10 in time period now**
dil1w3	long	%d		**date of onset of illness 1 now**
dil2w3	int	%d		**date of onset of illness 2 now**
dil3w3	long	%d		**date of onset of illness 3 now**
dil4w3	int	%d		**date of onset of illness 4 now**
dil5w3	int	%d		**date of onset of illness 5 now**
dil6w3	int	%d		**date of onset of illness 6 now**
dil7w3	int	%d		**date of onset of illness 7 now**
dil8w3	int	%d		**date of onset of illness 8 now**
dil9w3	int	%d		**date of onset of illness 9 now**
dil10w3	int	%d		**date of onset of illness 10 now**
dril1w3	byte	%8.0g		**duration of illness 1 now (in years)**
dril2w3	byte	%8.0g		**duration of illness 2 now (in years)**
dril3w3	byte	%8.0g		**duration of illness 3 now (in years)**
dril4w3	byte	%8.0g		**duration of illness 4 now (in years)**
dril5w3	byte	%8.0g		**duration of illness 5 now (in years)**
dril6w3	byte	%8.0g		**duration of illness 6 now (in years)**
dril7w3	byte	%8.0g		**duration of illness 7 now (in years)**
dril8w3	byte	%8.0g		**duration of illness 8 now (in**

				years)
dril9w3	byte	%8.0g		**duration of illness 9 now (in years)**
dril10w3	byte	%8.0g		**duration of illness 10 now (in years)**
pil1w3	byte	%15.0g	LABC	**persistence of illness 1 now**
pil2w3	byte	%15.0g	LABC	**persistence of illness 2 now**
pil3w3	byte	%15.0g	LABC	**persistence of illness 3 now**
pil4w3	byte	%15.0g	LABC	**persistence of illness 4 now**
pil5w3	byte	%15.0g	LABC	**persistence of illness 5 now**
pil6w3	byte	%15.0g	LABC	**persistence of illness 6 now**
pil7w3	byte	%15.0g	LABC	**persistence of illness 7 now**
pil8w3	byte	%15.0g	LABC	**persistence of illness 8 now**
pil9w3	byte	%15.0g	LABC	**persistence of illness 9 now**
pil10w3	byte	%15.0g	LABC	**persistence of illness 10 now**
aborw1	byte	%8.0g		**number of pregnancy terminations in time period 1976-1986**
aborw2	byte	%8.0g		**number of pregnancy terminations in time period 1987-1996**
aborw3	byte	%8.0g		**number of pregnancy terminations in time period 1997-now**
contw1	byte	%15.0g	LABC	**use of any contraception method in 1976-1986**
contw2	byte	%15.0g	LABC	**use of any contraception method in 1987-1996**
contw3	byte	%15.0g	LABC	**use of any contraception method in 1997-now**
ncontw1	byte	%15.0g	LABC	**use of natural contraception in 1976-1986**
ncontw2	byte	%15.0g	LABC	**use of natural contraception in 1987-1996**
ncontw3	byte	%15.0g	LABC	**use of natural contraception in 1997-now**
smokw1	int	%8.0g		**number of cigarettes per week in 1976-1986**
smokw2	int	%8.0g		**number of cigarettes per week in 1987-1996**
smokw3	int	%8.0g		**number of cigarettes per week in 1997-now**
beerw1	byte	%8.0g		**nuber of beers per week in 1976-1986**
beerw2	byte	%8.0g		**nuber of beers per week in 1987-1996**
beerw3	byte	%8.0g		**nuber of beers per week in 1997-now**
liqw1	byte	%8.0g		**number of spirits per week in 1976-1986**
liqw2	byte	%8.0g		**number of spirits per week in 1987-1996**

liqw3	byte	%8.0g	**number of spirits per week in 1997-now**
pillw1	byte	%8.0g	**number of pills for pain per week in 1976-1986**
pillw2	byte	%8.0g	**number of pills for pain per week in 1987-1996**
pillw3	byte	%8.0g	**number of pills for pain per week in 1997-now**
medcow1	byte	%8.0g	**number of medical visits for a medical condition per year 1976-1986**
medcow2	byte	%8.0g	**number of medical visits for a medical condition per year 1987-1996**
medcow3	byte	%8.0g	**number of medical visits for a medical condition per year 1997-now**
hospw1	int	%8.0g	* **number of days per year as a patient in a clinic for medical condition in 1976-**
hospw2	int	%8.0g	* **number of days per year as a patient in a clinic for medical condition in 1987-**
hospw3	int	%8.0g	* **number of days per year as a patient in a clinic for medical condition in 1997-**
vishphw1	byte	%8.0g	**number of visits per year to a homeopath for a physical condition in 1976-1986**
vishphw2	byte	%8.0g	**number of visits per year to a homeopath for a physical condition in 1987-1996**
vishphw3	byte	%8.0g	**number of visits per year to a homeopath for a physical condition in 1997-now**
mhoutw1	byte	%8.0g	**number of medical visits for a mental health condition per year 1976-1986**
mhoutw2	byte	%8.0g	**number of medical visits for a mental health condition per year 1987-1996**
mhoutw3	byte	%8.0g	**number of medical visits for a mental health condition per year 1997-now**
mhinw1	byte	%8.0g	* **number of days per year as a patient in a clinic for a mental health in 1976-19**
mhinw2	int	%8.0g	* **number of days per year as a patient in a clinic for a**

			mental health in 1987-19
mhinw3	byte	%8.0g	* number of days per year as a patient in a clinic for a mental health in 1997-no
vishpw1	byte	%8.0g	* number of visits per year to a homeopath for a mental health condition in 1976-1
vishpw2	byte	%8.0g	* number of visits per year to a homeopath for a mental health condition in 1987-1
vishpw3	byte	%8.0g	* number of visits per year to a homeopath for a mental health condition in 1997-n
goferw1	byte	%8.0g	level of fear in percent from going outdoors in 1976-1986
goferw2	byte	%8.0g	level of fear in percent from going outdoors in 1987-1996
goferw3	byte	%8.0g	level of fear in percent from going outdoors in 1997-now
fdferw1	byte	%8.0g	* level of fear in percent from consuming foods contaminated with radiation in 197
fdferw2	byte	%8.0g	* level of fear in percent from consuming foods contaminated with radiation in 198
fdferw3	byte	%8.0g	* level of fear in percent from consuming foods contaminated with radiation in 199
trgovw1	byte	%8.0g	level of trust in government reports about chornobyl in time period 1976-1986
trgovw2	byte	%8.0g	level of trust in government reports about chornobyl in time period 1987-1996
trgovw3	byte	%8.0g	level of trust in government reports about chornobyl in time period 1997-now
trrepw1	byte	%8.0g	* level of trust in medical/scientific reports about chornobyl in time period 197
trrepw2	byte	%8.0g	* level of trust in medical/scientific reports about chornobyl in time period 198
trrepw3	byte	%8.0g	* level of trust in medical/scientific reports about chornobyl in time period 1997

townacc	str23	%23s		*	**village/ town/ city at time of accident**
raiacc	str23	%23s			**raion at the time of Chornobyl accident**
latacc	byte	%15.0g	LABF		**latitude of residence at time of accident**
lonacc	byte	%12.0g	lon		**longitude of residence at time of accident**
latdacc	byte	%8.0g			**latitude (in degrees) at time of accident**
londacc	int	%8.0g			**longitude (in degrees) at time of accident**
latmacc	byte	%8.0g			**latitude (in minutes) at time of accident**
lonmacc	byte	%8.0g			**longitude (in minutes) at time of accident**
oblacc	byte	%31.0g	LABG		**oblast of residence at time of accident**
kmacc	int	%8.0g			**distance of residence from the chornobyl plant (in kilometers)**
townwork	str23	%23s			**village/town/ city of w/s at time of accident**
rawork	str23	%23s			**raion of w/s at time of accident**
latwork	byte	%15.0g	LABF		**latitude of place of work/study at time of accident**
lonwork	byte	%12.0g	lon		**longitude of place of work/study at time of accident**
latdwork	byte	%8.0g			**latitude (in degrees) of place of work/study at time of accident**
londwork	int	%8.0g			**longitude (in degrees) of place of work/study at time of accident**
latmwork	byte	%8.0g			**latitude (in minutes) of place of work/study at time of accident**
lonmwork	byte	%8.0g			**longitude (in minutes) of place of work/study at time of accident**
oblwork	byte	%31.0g	LABG		**oblast of work /study at the time of accident**
kmwork	int	%8.0g		*	**approximately how far away was your w/s from the chornobyl plant (in kilometers)**
injself	byte	%15.0g	LABC		**were you injured as a result of the chornobyl accident in 1986?**
injselfr	byte	%9.0g	dum		**Were u injured because of**

				Chornobyl acc in 1986?
injoth	byte	%15.0g	LABC	**was anyone you know injured as a result of the chornobyl accident?**
injothr	byte	%9.0g	inj	**Was anyone u know injured by Chornobyl accident?**
evacself	byte	%15.0g	LABC	**were you evacuated as a result of the chornobyl accident and its aftermath?**
evacselfr	byte	%9.0g	dum	**Were u evacuated because of Chornobyl accident in 1986?**
relself	byte	%15.0g	LABC	**were you relocated?**
relselfr	byte	%9.0g	dum	**Were u relocated because of Chornobyl accident?**
townrel	str32	%32s		**village/ town/ city of relocated residence**
rarel	str32	%32s		**raion of relocated residence**
latrel	byte	%15.0g	LABF	**latitude of relocated residence**
lonrel	byte	%12.0g	lon	**longitude of relocated residence**
latdrel	byte	%8.0g		**latitude in degrees of relocated residence**
londrel	byte	%8.0g		**longitude in degrees of relocated residence**
latmrel	int	%8.0g		**latitude in minutes of relocated residence**
lonmrel	int	%8.0g		**longitude in minutes of relocated residence**
defnw1	byte	%8.0g	*	**consider hazardous (in percent) - deficiencies in essential nutrition in 1986**
defnw2	byte	%8.0g	*	**consider hazardous (in percent) - deficiencies in essential nutrition in 1996**
defnw3	byte	%8.0g	*	**consider hazardous (in percent) - deficiencies in essential nutrition NOW**
efradw1	byte	%8.0g		**consider hazardous (in percent) - effects of radiation in 1986**
efradw2	byte	%8.0g		**consider hazardous (in percent) - effects of radiation in 1996**
efradw3	byte	%8.0g		**consider hazardous (in percent) - effects of radiation NOW**
ecprw1	byte	%8.0g		**consider hazardous (in percent) - economic problems in 1986**
ecprw2	byte	%8.0g		**consider hazardous (in percent) - economic problems in 1996**
ecprw3	byte	%8.0g		**consider hazardous (in percent) - economic problems, NOW**
polprw1	byte	%8.0g		**consider hazardous (in percent)**

			- political problems in 1986
polprw2	byte	%8.0g	consider hazardous (in percent) - political problems in 1996
polprw3	byte	%8.0g	consider hazardous (in percent) - political problems NOW
airw1	byte	%8.0g	consider hazardous (in percent) - air and water pollution in 1986
airw2	byte	%8.0g	consider hazardous (in percent) - air and water pollution in 1996
airw3	byte	%8.0g	consider hazardous (in percent) - air and water pollution NOW
radw1	byte	%8.0g	believed % of the radioactively contaminated area in 1986
radw2	byte	%8.0g	believed % of the radioactively contaminated area in 1996
radw3	byte	%8.0g	believed % of the radioactively contaminated area NOW
radchw1	byte	%8.0g	believed % of polution related to chornobyl in 1986
radchw2	byte	%8.0g	believed % of polution related to chornobyl in 1996
radchw3	byte	%8.0g	believed % of polution related to chornobyl NOW
radtlw1	byte	%8.0g	believed % of cumulative radiation exposed to in a lifetime in 1986
radtlw2	byte	%8.0g	believed % of cumulative radiation exposed to in a lifetime in 1996
radtlw3	byte	%8.0g	believed % of cumulative radiation exposed to in a lifetime NOW
radhlw1	byte	%8.0g	Self-perceived Chornobyl health threat in wave 1
radhlw2	byte	%8.0g	how much believed personal health is affected by radiation in 1996
radhlw3	byte	%8.0g	Self-perceived Chornobyl health threat in wave 3
radhlwc1	byte	%9.0g	Collapsed version of radhlw1 with a cut point of 0-49=0 and 50-100=1
radhlwc2	byte	%9.0g	Collapsed version of radhlw2 with a cut point of 0-49=0 and 50-100=1
radhlwc3	byte	%9.0g	Collapsed version of radhlw1 with a cut point of 0-49=0 and

					50-100=1
radfmw1	byte	%8.0g			how much believed family health is affected by radiation in 1986
radfmw2	byte	%8.0g			how much believed family health is affected by radiation in 1996
radfmw3	byte	%8.0g			Observed
source	byte	%31.0g	q85	*	what was your initial source of information about the chornobyl plant accident?
dafter	int	%8.0g		*	how many days lapsed after Chornobyl accident before you heard about the acciden
dauthw1	byte	%8.0g			level of danger by authorities (in percent) in 1986
dauthw2	byte	%8.0g			level of danger by authorities (in percent) in 1996
dauthw3	byte	%8.0g			level of danger by authorities (in percent) NOW
medw1	byte	%8.0g			level of danger by general media (in percent) in 1986
medw2	byte	%8.0g			level of danger by general media (in percent) in 1996
medw3	byte	%8.0g			level of danger by general media (in percent) NOW
neiw1	byte	%8.0g			level of danger by neighbors (in percent) in 1986
neiw2	byte	%8.0g			level of danger by neighbors (in percent) in 1996
neiw3	byte	%8.0g			level of danger by neighbors (in percent) NOW
toxic	byte	%8.0g			all radioactive materials remain toxic for thousands of years (% of agreement)
repair	byte	%8.0g		*	body has capability to repair tissue damage caused by exposure (% of agreement)
skin	byte	%8.0g			a suntan is caused by radiating damage to the skin (% of agreement)
near	byte	%8.0g		*	radiation from a nuclear plant site is more concentrated near the plant (% of ag
cloud	byte	%8.0g		*	radioactive fallout is only harmful when visible (% of agreement)
world	byte	%8.0g		*	the chornobyl accident has affected people around the

			world (% of agreement)
healthef	byte	%8.0g	* a person exposed to any radiation likely to suffer from (% of agreement)
carcin	byte	%8.0g	* a person exposed to carcinogen is likely to get cancer (% of agreement)
woman	byte	%8.0g	* pregnant exposed to radiation likely to give birth to children with deffects (%
saferad	byte	%8.0g	there is no safe level of radiation (% of agreement)
goodrad	byte	%8.0g	small doses can actually improve one's health (% of agreement)
kzchorn	byte	%8.0g	* in k/z most cases of cancer in humans are known to be caused by radiation from
kzunder	byte	%8.0g	people in k/z underestimate the risks assoicated with radiation (% of agreement)
chsize	byte	%8.0g	* the radioactive fallout from chornobyl affected more people than the radioactive
icdxcnt	byte	%9.0g	count of icdx illnesses
icddx1	str32	%10s	icd ñ 10 code illness 1
icddx2	str32	%10s	icd ñ 10 code illness 2
icddx3	str32	%10s	icd ñ 10 code illness 3
icddx4	str32	%10s	icd ñ 10 code illness 4
icddx5	str32	%10s	icd ñ 10 code illness 5
icddx6	str32	%10s	icd ñ 10 code illness 6
icddx7	str32	%10s	icd ñ 10 code illness 7
icddx8	str32	%10s	icd ñ 10 code illness 8
icddx9	str32	%10s	icd ñ 10 code illness 9
icddx10	str32	%10s	icd ñ 10 code illness 10
icddx11	str32	%10s	icd ñ 10 code illness 11
icddx12	str32	%10s	icd ñ 10 code illness 12
dxdat_1	long	%d	date of original onset (mm/dd/yyyy) illness 1
dxdat_2	int	%d	date of original onset (mm/dd/yyyy) illness 2
dxdat_3	long	%d	date of original onset (mm/dd/yyyy) illness 3
dxdat_4	long	%d	date of original onset (mm/dd/yyyy) illness 4
dxdat_5	int	%d	date of original onset (mm/dd/yyyy) illness 5
dxdat_6	int	%d	date of original onset (mm/dd/yyyy) illness 6
dxdat_7	int	%d	date of original onset

				(mm/dd/yyyy) illness 7
dxdat_8	int	%d		date of original onset (mm/dd/yyyy) illness 8
dxdat_9	int	%d		date of original onset (mm/dd/yyyy) illness 9
dxdat_10	int	%d		date of original onset (mm/dd/yyyy) illness 10
dxdat_11	int	%d		date of original onset (mm/dd/yyyy) illness 11
dxdat_12	int	%d		date of original onset (mm/dd/yyyy) illness 12
dxnum1	byte	%8.0g		number of years the desease persisted illness 1
dxnum2	byte	%8.0g		number of years the desease persisted illness 2
dxnum3	byte	%8.0g		number of years the desease persisted illness 3
dxnum4	byte	%8.0g		number of years the desease persisted illness 4
dxnum5	byte	%8.0g		number of years the desease persisted illness 5
dxnum6	byte	%8.0g		number of years the desease persisted illness 6
dxnum7	byte	%8.0g		number of years the desease persisted illness 7
dxnum8	byte	%8.0g		number of years the desease persisted illness 8
dxnum9	byte	%8.0g		number of years the desease persisted illness 9
dxnum10	byte	%8.0g		number of years the desease persisted illness 10
dxnum11	byte	%8.0g		number of years the desease persisted illness 11
dxnum12	byte	%8.0g		number of years the desease persisted illness 12
deprl1980	byte	%8.0g	*	level of depression (in percentage) in 1980
deprl1981	byte	%8.0g		level of depression (in percentage) in 1981
deprl1982	byte	%8.0g		level of depression (in percentage) in 1982
deprl1983	byte	%8.0g		level of depression (in percentage) in 1983
deprl1984	byte	%8.0g		level of depression (in percentage) in 1984
deprl1985	byte	%8.0g		level of depression (in percentage) in 1985
deprl1986	byte	%8.0g		level of depression (in percentage) in 1986

deprl1987	byte	%8.0g	**level of depression (in percentage) in 1987**
deprl1988	byte	%8.0g	**level of depression (in percentage) in 1988**
deprl1989	byte	%8.0g	**level of depression (in percentage) in 1989**
deprl1990	byte	%8.0g	**level of depression (in percentage) in 1990**
deprl1991	byte	%8.0g	**level of depression (in percentage) in 1991**
deprl1992	byte	%8.0g	**level of depression (in percentage) in 1992**
deprl1993	byte	%8.0g	**level of depression (in percentage) in 1993**
deprl1994	byte	%8.0g	**level of depression (in percentage) in 1994**
deprl1995	byte	%8.0g	**level of depression (in percentage) in 1995**
deprl1996	byte	%8.0g	**level of depression (in percentage) in 1996**
deprl1997	byte	%8.0g	**level of depression (in percentage) in 1997**
deprl1998	byte	%8.0g	**level of depression (in percentage) in 1998**
deprl1999	byte	%8.0g	**level of depression (in percentage) in 1999**
deprl2000	byte	%8.0g	**level of depression (in percentage) in 2000**
deprl2001	byte	%8.0g	**level of depression (in percentage) in 2001**
deprl2002	byte	%8.0g	**level of depression (in percentage) in 2002**
deprl2003	byte	%8.0g	**level of depression (in percentage) in 2003**
deprl2004	byte	%8.0g	**level of depression (in percentage) in 2004**
deprl2005	byte	%8.0g	**level of depression (in percentage) in 2005**
deprl2006	byte	%8.0g	**level of depression (in percentage) in 2006**
deprl2007	byte	%8.0g	**level of depression (in percentage) in 2007**
deprl2008	byte	%8.0g	**level of depression (in percentage) in 2008**
deprl2009	byte	%8.0g	**level of depression (in percentage) in 2009**
deprl2010	byte	%8.0g	**level of depression (in percentage) in 2010**
anxl1980	byte	%8.0g	**level of anxiety (in percentage)**

			in 1980
anxl1981	byte	%8.0g	**level of anxiety (in percentage) in 1981**
anxl1982	byte	%8.0g	**level of anxiety (in percentage) in 1982**
anxl1983	byte	%8.0g	**level of anxiety (in percentage) in 1983**
anxl1984	byte	%8.0g	**level of anxiety (in percentage) in 1984**
anxl1985	byte	%8.0g	**level of anxiety (in percentage) in 1985**
anxl1986	byte	%8.0g	**level of anxiety (in percentage) in 1986**
anxl1987	byte	%8.0g	**level of anxiety (in percentage) in 1987**
anxl1988	byte	%8.0g	**level of anxiety (in percentage) in 1988**
anxl1989	byte	%8.0g	**level of anxiety (in percentage) in 1989**
anxl1990	byte	%8.0g	**level of anxiety (in percentage) in 1990**
anxl1991	byte	%8.0g	**level of anxiety (in percentage) in 1991**
anxl1992	byte	%8.0g	**level of anxiety (in percentage) in 1992**
anxl1993	byte	%8.0g	**level of anxiety (in percentage) in 1993**
anxl1994	byte	%8.0g	**level of anxiety (in percentage) in 1994**
anxl1995	byte	%8.0g	**level of anxiety (in percentage) in 1995**
anxl1996	byte	%8.0g	**level of anxiety (in percentage) in 1996**
anxl1997	byte	%8.0g	**level of anxiety (in percentage) in 1997**
anxl1998	byte	%8.0g	**level of anxiety (in percentage) in 1998**
anxl1999	byte	%8.0g	**level of anxiety (in percentage) in 1999**
anxl2000	byte	%8.0g	**level of anxiety (in percentage) in 2000**
anxl2001	byte	%8.0g	**level of anxiety (in percentage) in 2001**
anxl2002	byte	%8.0g	**level of anxiety (in percentage) in 2002**
anxl2003	byte	%8.0g	**level of anxiety (in percentage) in 2003**
anxl2004	byte	%8.0g	**level of anxiety (in percentage) in 2004**

anxl2005	byte	%8.0g	**level of anxiety (in percentage) in 2005**
anxl2006	byte	%8.0g	**level of anxiety (in percentage) in 2006**
anxl2007	byte	%8.0g	**level of anxiety (in percentage) in 2007**
anxl2008	byte	%8.0g	**level of anxiety (in percentage) in 2008**
anxl2009	byte	%8.0g	**level of anxiety (in percentage) in 2009**
anxl2010	byte	%8.0g	**level of anxiety (in percentage) in 2010**
pdisl1980	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1980**
pdisl1981	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1981**
pdisl1982	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1982**
pdisl1983	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1983**
pdisl1984	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1984**
pdisl1985	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1985**
pdisl1986	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1986**
pdisl1987	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1987**
pdisl1988	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1988**
pdisl1989	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1989**
pdisl1990	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1990**
pdisl1991	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1991**
pdisl1992	byte	%8.0g	**level of somatic/physical**

			discomforts (in percentage) in 1992
pdisl1993	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1993**
pdisl1994	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1994**
pdisl1995	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1995**
pdisl1996	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1996**
pdisl1997	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1997**
pdisl1998	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1998**
pdisl1999	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 1999**
pdisl2000	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 2000**
pdisl2001	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 2001**
pdisl2002	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 2002**
pdisl2003	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 2003**
pdisl2004	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 2004**
pdisl2005	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 2005**
pdisl2006	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 2006**
pdisl2007	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 2007**
pdisl2008	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in**

			2008
pdisl2009	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 2009**
pdisl2010	byte	%8.0g	**level of somatic/physical discomforts (in percentage) in 2010**
emrel1980	byte	%8.0g	**intensity of ptsd reactions in 1980**
emrel1981	byte	%8.0g	**intensity of ptsd reactions in 1981**
emrel1982	byte	%8.0g	**intensity of ptsd reactions in 1982**
emrel1983	byte	%8.0g	**intensity of ptsd reactions in 1983**
emrel1984	byte	%8.0g	**intensity of ptsd reactions in 1984**
emrel1985	byte	%8.0g	**intensity of ptsd reactions in 1985**
emrel1986	byte	%8.0g	**intensity of ptsd reactions in 1986**
emrel1987	byte	%8.0g	**intensity of ptsd reactions in 1987**
emrel1988	byte	%8.0g	**intensity of ptsd reactions in 1988**
emrel1989	byte	%8.0g	**intensity of ptsd reactions in 1989**
emrel1990	byte	%8.0g	**intensity of ptsd reactions in 1990**
emrel1991	byte	%8.0g	**intensity of ptsd reactions in 1991**
emrel1992	byte	%8.0g	**intensity of ptsd reactions in 1992**
emrel1993	byte	%8.0g	**intensity of ptsd reactions in 1993**
emrel1994	byte	%8.0g	**intensity of ptsd reactions in 1994**
emrel1995	byte	%8.0g	**intensity of ptsd reactions in 1995**
emrel1996	byte	%8.0g	**intensity of ptsd reactions in 1996**
emrel1997	byte	%8.0g	**intensity of ptsd reactions in 1997**
emrel1998	byte	%8.0g	**intensity of ptsd reactions in 1998**
emrel1999	byte	%8.0g	**intensity of ptsd reactions in 1999**
emrel2000	byte	%8.0g	**intensity of ptsd reactions in 2000**

emrel2001	byte	%8.0g	**intensity of ptsd reactions in 2001**
emrel2002	byte	%8.0g	**intensity of ptsd reactions in 2002**
emrel2003	byte	%8.0g	**intensity of ptsd reactions in 2003**
emrel2004	byte	%8.0g	**intensity of ptsd reactions in 2004**
emrel2005	byte	%8.0g	**intensity of ptsd reactions in 2005**
emrel2006	byte	%8.0g	**intensity of ptsd reactions in 2006**
emrel2007	byte	%8.0g	**intensity of ptsd reactions in 2007**
emrel2008	byte	%8.0g	**intensity of ptsd reactions in 2008**
emrel2009	byte	%8.0g	**intensity of ptsd reactions in 2009**
emrel2010	byte	%8.0g	**intensity of ptsd reactions in 2010**
hlthl1980	byte	%8.0g	**intensity of work related problems due to health in 1980**
hlthl1981	byte	%8.0g	**intensity of work related problems due to health in 1981**
hlthl1982	byte	%8.0g	**intensity of work related problems due to health in 1982**
hlthl1983	byte	%8.0g	**intensity of work related problems due to health in 1983**
hlthl1984	byte	%8.0g	**intensity of work related problems due to health in 1984**
hlthl1985	byte	%8.0g	**intensity of work related problems due to health in 1985**
hlthl1986	byte	%8.0g	**intensity of work related problems due to health in 1986**
hlthl1987	byte	%8.0g	**intensity of work related problems due to health in 1987**
hlthl1988	byte	%8.0g	**intensity of work related problems due to health in 1988**
hlthl1989	byte	%8.0g	**intensity of work related problems due to health in 1989**
hlthl1990	byte	%8.0g	**intensity of work related problems due to health in 1990**
hlthl1991	byte	%8.0g	**intensity of work related problems due to health in 1991**
hlthl1992	byte	%8.0g	**intensity of work related problems due to health in 1992**
hlthl1993	byte	%8.0g	**intensity of work related problems due to health in 1993**
hlthl1994	byte	%8.0g	**intensity of work related**

			problems due to health in 1994
hlthl1995	byte	%8.0g	intensity of work related problems due to health in 1995
hlthl1996	byte	%8.0g	intensity of work related problems due to health in 1996
hlthl1997	byte	%8.0g	intensity of work related problems due to health in 1997
hlthl1998	byte	%8.0g	intensity of work related problems due to health in 1998
hlthl1999	byte	%8.0g	intensity of work related problems due to health in 1999
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hlthl2001	byte	%8.0g	intensity of work related problems due to health in 2001
hlthl2002	byte	%8.0g	intensity of work related problems due to health in 2002
hlthl2003	byte	%8.0g	intensity of work related problems due to health in 2003
hlthl2004	byte	%8.0g	intensity of work related problems due to health in 2004
hlthl2005	byte	%8.0g	intensity of work related problems due to health in 2005
hlthl2006	byte	%8.0g	intensity of work related problems due to health in 2006
hlthl2007	byte	%8.0g	intensity of work related problems due to health in 2007
hlthl2008	byte	%8.0g	intensity of work related problems due to health in 2008
hlthl2009	byte	%8.0g	intensity of work related problems due to health in 2009
hlthl2010	byte	%8.0g	intensity of work related problems due to health in 2010
homel1980	byte	%8.0g	* intensity of home related problems due to health in 1980
homel1981	byte	%8.0g	intensity of home related problems due to health in 1981
homel1982	byte	%8.0g	intensity of home related problems due to health in 1982
homel1983	byte	%8.0g	intensity of home related problems due to health in 1983
homel1984	byte	%8.0g	intensity of home related problems due to health in 1984
homel1985	byte	%8.0g	intensity of home related problems due to health in 1985
homel1986	byte	%8.0g	intensity of home related problems due to health in 1986
homel1987	byte	%8.0g	intensity of home related problems due to health in 1987

homel1988	byte	%8.0g	**intensity of home related problems due to health in 1988**
homel1989	byte	%8.0g	**intensity of home related problems due to health in 1989**
homel1990	byte	%8.0g	**intensity of home related problems due to health in 1990**
homel1991	byte	%8.0g	**intensity of home related problems due to health in 1991**
homel1992	byte	%8.0g	**intensity of home related problems due to health in 1992**
homel1993	byte	%8.0g	**intensity of home related problems due to health in 1993**
homel1994	byte	%8.0g	**intensity of home related problems due to health in 1994**
homel1995	byte	%8.0g	**intensity of home related problems due to health in 1995**
homel1996	byte	%8.0g	**intensity of home related problems due to health in 1996**
homel1997	byte	%8.0g	**intensity of home related problems due to health in 1997**
homel1998	byte	%8.0g	**intensity of home related problems due to health in 1998**
homel1999	byte	%8.0g	**intensity of home related problems due to health in 1999**
homel2000	byte	%8.0g	**intensity of home related problems due to health in 2000**
homel2001	byte	%8.0g	**intensity of home related problems due to health in 2001**
homel2002	byte	%8.0g	**intensity of home related problems due to health in 2002**
homel2003	byte	%8.0g	**intensity of home related problems due to health in 2003**
homel2004	byte	%8.0g	**intensity of home related problems due to health in 2004**
homel2005	byte	%8.0g	**intensity of home related problems due to health in 2005**
homel2006	byte	%8.0g	**intensity of home related problems due to health in 2006**
homel2007	byte	%8.0g	**intensity of home related problems due to health in 2007**
homel2008	byte	%8.0g	**intensity of home related problems due to health in 2008**
homel2009	byte	%8.0g	**intensity of home related problems due to health in 2009**
homel2010	byte	%8.0g	**intensity of home related problems due to health in 2010**
solil1980	byte	%8.0g	**intensity of social life related problems due to health in 1980**
solil1981	byte	%8.0g	**intensity of social life related**

			problems due to health in 1981
soliil1982	byte	%8.0g	intensity of social life related problems due to health in 1982
soliil1983	byte	%8.0g	intensity of social life related problems due to health in 1983
soliil1984	byte	%8.0g	intensity of social life related problems due to health in 1984
soliil1985	byte	%8.0g	intensity of social life related problems due to health in 1985
soliil1986	byte	%8.0g	intensity of social life related problems due to health in 1986
soliil1987	byte	%8.0g	intensity of social life related problems due to health in 1987
soliil1988	byte	%8.0g	intensity of social life related problems due to health in 1988
soliil1989	byte	%8.0g	intensity of social life related problems due to health in 1989
soliil1990	byte	%8.0g	intensity of social life related problems due to health in 1990
soliil1991	byte	%8.0g	intensity of social life related problems due to health in 1991
soliil1992	byte	%8.0g	intensity of social life related problems due to health in 1992
soliil1993	byte	%8.0g	intensity of social life related problems due to health in 1993
soliil1994	byte	%8.0g	intensity of social life related problems due to health in 1994
soliil1995	byte	%8.0g	intensity of social life related problems due to health in 1995
soliil1996	byte	%8.0g	intensity of social life related problems due to health in 1996
soliil1997	byte	%8.0g	intensity of social life related problems due to health in 1997
soliil1998	byte	%8.0g	intensity of social life related problems due to health in 1998
soliil1999	byte	%8.0g	intensity of social life related problems due to health in 1999
soliil2000	byte	%8.0g	intensity of social life related problems due to health in 2000
soliil2001	byte	%8.0g	intensity of social life related problems due to health in 2001
soliil2002	byte	%8.0g	intensity of social life related problems due to health in 2002
soliil2003	byte	%8.0g	intensity of social life related problems due to health in 2003
soliil2004	byte	%8.0g	intensity of social life related problems due to health in 2004
soliil2005	byte	%8.0g	intensity of social life related problems due to health in 2005

solil2006	byte	%8.0g	**intensity of social life related problems due to health in 2006**
solil2007	byte	%8.0g	**intensity of social life related problems due to health in 2007**
solil2008	byte	%8.0g	**intensity of social life related problems due to health in 2008**
solil2009	byte	%8.0g	**intensity of social life related problems due to health in 2009**
solil2010	byte	%8.0g	**intensity of social life related problems due to health in 2010**
holil1980	byte	%8.0g	**intensity of home life related problems due to health in 1980**
holil1981	byte	%8.0g	**intensity of home life related problems due to health in 1981**
holil1982	byte	%8.0g	**intensity of home life related problems due to health in 1982**
holil1983	byte	%8.0g	**intensity of home life related problems due to health in 1983**
holil1984	byte	%8.0g	**intensity of home life related problems due to health in 1984**
holil1985	byte	%8.0g	**intensity of home life related problems due to health in 1985**
holil1986	byte	%8.0g	**intensity of home life related problems due to health in 1986**
holil1987	byte	%8.0g	**intensity of home life related problems due to health in 1987**
holil1988	byte	%8.0g	**intensity of home life related problems due to health in 1988**
holil1989	byte	%8.0g	**intensity of home life related problems due to health in 1989**
holil1990	byte	%8.0g	**intensity of home life related problems due to health in 1990**
holil1991	byte	%8.0g	**intensity of home life related problems due to health in 1991**
holil1992	byte	%8.0g	**intensity of home life related problems due to health in 1992**
holil1993	byte	%8.0g	**intensity of home life related problems due to health in 1993**
holil1994	byte	%8.0g	**intensity of home life related problems due to health in 1994**
holil1995	byte	%8.0g	**intensity of home life related problems due to health in 1995**
holil1996	byte	%8.0g	**intensity of home life related problems due to health in 1996**
holil1997	byte	%8.0g	**intensity of home life related problems due to health in 1997**
holil1998	byte	%8.0g	**intensity of home life related problems due to health in 1998**
holil1999	byte	%8.0g	**intensity of home life related**

holil2000	byte	%8.0g	**intensity of home life related problems due to health in 1999**
holil2001	byte	%8.0g	**intensity of home life related problems due to health in 2000**
holil2002	byte	%8.0g	**intensity of home life related problems due to health in 2001**
holil2003	byte	%8.0g	**intensity of home life related problems due to health in 2002**
holil2004	byte	%8.0g	**intensity of home life related problems due to health in 2003**
holil2005	byte	%8.0g	**intensity of home life related problems due to health in 2004**
holil2006	byte	%8.0g	**intensity of home life related problems due to health in 2005**
holil2007	byte	%8.0g	**intensity of home life related problems due to health in 2006**
holil2008	byte	%8.0g	**intensity of home life related problems due to health in 2007**
holil2009	byte	%8.0g	**intensity of home life related problems due to health in 2008**
holil2010	byte	%8.0g	**intensity of home life related problems due to health in 2009**
sexll1980	byte	%8.0g	**intensity of home life related problems due to health in 2010**
sexll1981	byte	%8.0g	**intensity of home life related problems due to health in 1980**
sexll1982	byte	%8.0g	**intensity of home life related problems due to health in 1981**
sexll1983	byte	%8.0g	**intensity of home life related problems due to health in 1982**
sexll1984	byte	%8.0g	**intensity of home life related problems due to health in 1983**
sexll1985	byte	%8.0g	**intensity of home life related problems due to health in 1984**
sexll1986	byte	%8.0g	**intensity of home life related problems due to health in 1985**
sexll1987	byte	%8.0g	**intensity of home life related problems due to health in 1986**
sexll1988	byte	%8.0g	**intensity of home life related problems due to health in 1987**
sexll1989	byte	%8.0g	**intensity of home life related problems due to health in 1988**
sexll1990	byte	%8.0g	**intensity of home life related problems due to health in 1989**
sexll1991	byte	%8.0g	**intensity of home life related problems due to health in 1990**
sexll1992	byte	%8.0g	**intensity of home life related problems due to health in 1991**
			intensity of home life related problems due to health in 1992

sexll1993	byte	%8.0g	**intensity of home life related problems due to health in 1993**
sexll1994	byte	%8.0g	**intensity of home life related problems due to health in 1994**
sexll1995	byte	%8.0g	**intensity of home life related problems due to health in 1995**
sexll1996	byte	%8.0g	**intensity of home life related problems due to health in 1996**
sexll1997	byte	%8.0g	**intensity of home life related problems due to health in 1997**
sexll1998	byte	%8.0g	**intensity of home life related problems due to health in 1998**
sexll1999	byte	%8.0g	**intensity of home life related problems due to health in 1999**
sexll2000	byte	%8.0g	**intensity of home life related problems due to health in 2000**
sexll2001	byte	%8.0g	**intensity of home life related problems due to health in 2001**
sexll2002	byte	%8.0g	**intensity of home life related problems due to health in 2002**
sexll2003	byte	%8.0g	**intensity of home life related problems due to health in 2003**
sexll2004	byte	%8.0g	**intensity of home life related problems due to health in 2004**
sexll2005	byte	%8.0g	**intensity of home life related problems due to health in 2005**
sexll2006	byte	%8.0g	**intensity of home life related problems due to health in 2006**
sexll2007	byte	%8.0g	**intensity of home life related problems due to health in 2007**
sexll2008	byte	%8.0g	**intensity of home life related problems due to health in 2008**
sexll2009	byte	%8.0g	**intensity of home life related problems due to health in 2009**
sexll2010	byte	%8.0g	**intensity of home life related problems due to health in 2010**
inhol1980	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1980**
inhol1981	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1981**
inhol1982	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1982**
inhol1983	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1983**
inhol1984	byte	%8.0g	**intensity of interest and**

			hobbies related problems due to health in 1984
inhol1985	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1985**
inhol1986	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1986**
inhol1987	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1987**
inhol1988	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1988**
inhol1989	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1989**
inhol1990	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1990**
inhol1991	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1991**
inhol1992	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1992**
inhol1993	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1993**
inhol1994	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1994**
inhol1995	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1995**
inhol1996	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1996**
inhol1997	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1997**
inhol1998	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1998**
inhol1999	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 1999**
inhol2000	byte	%8.0g	**intensity of interest and hobbies related problems due**

			to health in 2000
inhol2001	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 2001**
inhol2002	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 2002**
inhol2003	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 2003**
inhol2004	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 2004**
inhol2005	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 2005**
inhol2006	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 2006**
inhol2007	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 2007**
inhol2008	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 2008**
inhol2009	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 2009**
inhol2010	byte	%8.0g	**intensity of interest and hobbies related problems due to health in 2010**
wendl1980	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1980**
wendl1981	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1981**
wendl1982	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1982**
wendl1983	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1983**
wendl1984	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1984**
wendl1985	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1985**

wendl1986	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1986**
wendl1987	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1987**
wendl1988	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1988**
wendl1989	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1989**
wendl1990	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1990**
wendl1991	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1991**
wendl1992	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1992**
wendl1993	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1993**
wendl1994	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1994**
wendl1995	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1995**
wendl1996	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1996**
wendl1997	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1997**
wendl1998	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1998**
wendl1999	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 1999**
wendl2000	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 2000**
wendl2001	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 2001**
wendl2002	byte	%8.0g	**intensity of holidays - weekends**

			related problems due to health in 2002
wendl2003	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 2003**
wendl2004	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 2004**
wendl2005	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 2005**
wendl2006	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 2006**
wendl2007	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 2007**
wendl2008	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 2008**
wendl2009	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 2009**
wendl2010	byte	%8.0g	**intensity of holidays - weekends related problems due to health in 2010**
smokel1980	int	%8.0g	**number of cigarettes smoked per week in 1980**
smokel1981	int	%8.0g	**number of cigarettes smoked per week in 1981**
smokel1982	int	%8.0g	**number of cigarettes smoked per week in 1982**
smokel1983	int	%8.0g	**number of cigarettes smoked per week in 1983**
smokel1984	int	%8.0g	**number of cigarettes smoked per week in 1984**
smokel1985	int	%8.0g	**number of cigarettes smoked per week in 1985**
smokel1986	int	%8.0g	**number of cigarettes smoked per week in 1986**
smokel1987	int	%8.0g	**number of cigarettes smoked per week in 1987**
smokel1988	int	%8.0g	**number of cigarettes smoked per week in 1988**
smokel1989	int	%8.0g	**number of cigarettes smoked per week in 1989**
smokel1990	int	%8.0g	**number of cigarettes smoked per week in 1990**
smokel1991	int	%8.0g	**number of cigarettes smoked per**

			week in 1991
smoke1992	int	%8.0g	number of cigarettes smoked per week in 1992
smoke1993	int	%8.0g	number of cigarettes smoked per week in 1993
smoke1994	int	%8.0g	number of cigarettes smoked per week in 1994
smoke1995	int	%8.0g	number of cigarettes smoked per week in 1995
smoke1996	int	%8.0g	number of cigarettes smoked per week in 1996
smoke1997	int	%8.0g	number of cigarettes smoked per week in 1997
smoke1998	int	%8.0g	number of cigarettes smoked per week in 1998
smoke1999	int	%8.0g	number of cigarettes smoked per week in 1999
smoke2000	int	%8.0g	number of cigarettes smoked per week in 2000
smoke2001	int	%8.0g	number of cigarettes smoked per week in 2001
smoke2002	int	%8.0g	number of cigarettes smoked per week in 2002
smoke2003	int	%8.0g	number of cigarettes smoked per week in 2003
smoke2004	int	%8.0g	number of cigarettes smoked per week in 2004
smoke2005	int	%8.0g	number of cigarettes smoked per week in 2005
smoke2006	int	%8.0g	number of cigarettes smoked per week in 2006
smoke2007	int	%8.0g	number of cigarettes smoked per week in 2007
smoke2008	int	%8.0g	number of cigarettes smoked per week in 2008
smoke2009	int	%8.0g	number of cigarettes smoked per week in 2009
smoke2010	int	%8.0g	number of cigarettes smoked per week in 2010
drinl1980	byte	%8.0g	number of beer of wine consumed per week in 1980
drinl1981	byte	%8.0g	number of beer of wine consumed per week in 1981
drinl1982	byte	%8.0g	number of beer of wine consumed per week in 1982
drinl1983	byte	%8.0g	number of beer of wine consumed per week in 1983
drinl1984	byte	%8.0g	number of beer of wine consumed per week in 1984

drinl1985	byte	%8.0g	**number of beer of wine consumed per week in 1985**
drinl1986	byte	%8.0g	**number of beer of wine consumed per week in 1986**
drinl1987	byte	%8.0g	**number of beer of wine consumed per week in 1987**
drinl1988	byte	%8.0g	**number of beer of wine consumed per week in 1988**
drinl1989	byte	%8.0g	**number of beer of wine consumed per week in 1989**
drinl1990	byte	%8.0g	**number of beer of wine consumed per week in 1990**
drinl1991	byte	%8.0g	**number of beer of wine consumed per week in 1991**
drinl1992	byte	%8.0g	**number of beer of wine consumed per week in 1992**
drinl1993	byte	%8.0g	**number of beer of wine consumed per week in 1993**
drinl1994	byte	%8.0g	**number of beer of wine consumed per week in 1994**
drinl1995	byte	%8.0g	**number of beer of wine consumed per week in 1995**
drinl1996	byte	%8.0g	**number of beer of wine consumed per week in 1996**
drinl1997	byte	%8.0g	**number of beer of wine consumed per week in 1997**
drinl1998	byte	%8.0g	**number of beer of wine consumed per week in 1998**
drinl1999	byte	%8.0g	**number of beer of wine consumed per week in 1999**
drinl2000	byte	%8.0g	**number of beer of wine consumed per week in 2000**
drinl2001	byte	%8.0g	**number of beer of wine consumed per week in 2001**
drinl2002	byte	%8.0g	**number of beer of wine consumed per week in 2002**
drinl2003	byte	%8.0g	**number of beer of wine consumed per week in 2003**
drinl2004	byte	%8.0g	**number of beer of wine consumed per week in 2004**
drinl2005	byte	%8.0g	**number of beer of wine consumed per week in 2005**
drinl2006	byte	%8.0g	**number of beer of wine consumed per week in 2006**
drinl2007	byte	%8.0g	**number of beer of wine consumed per week in 2007**
drinl2008	byte	%8.0g	**number of beer of wine consumed per week in 2008**
drinl2009	byte	%8.0g	**number of beer of wine consumed**

			per week in 2009
drinl2010	byte	%8.0g	number of beer of wine consumed per week in 2010
vodkaq1980	byte	%8.0g	number of vodaka drinks consumed per week in 1980
vodkaq1981	byte	%8.0g	number of vodaka drinks consumed per week in 1981
vodkaq1982	byte	%8.0g	number of vodaka drinks consumed per week in 1982
vodkaq1983	byte	%8.0g	number of vodaka drinks consumed per week in 1983
vodkaq1984	byte	%8.0g	number of vodaka drinks consumed per week in 1984
vodkaq1985	byte	%8.0g	number of vodaka drinks consumed per week in 1985
vodkaq1986	byte	%8.0g	number of vodaka drinks consumed per week in 1986
vodkaq1987	byte	%8.0g	number of vodaka drinks consumed per week in 1987
vodkaq1988	byte	%8.0g	number of vodaka drinks consumed per week in 1988
vodkaq1989	byte	%8.0g	number of vodaka drinks consumed per week in 1989
vodkaq1990	byte	%8.0g	number of vodaka drinks consumed per week in 1990
vodkaq1991	byte	%8.0g	number of vodaka drinks consumed per week in 1991
vodkaq1992	byte	%8.0g	number of vodaka drinks consumed per week in 1992
vodkaq1993	byte	%8.0g	number of vodaka drinks consumed per week in 1993
vodkaq1994	byte	%8.0g	number of vodaka drinks consumed per week in 1994
vodkaq1995	byte	%8.0g	number of vodaka drinks consumed per week in 1995
vodkaq1996	byte	%8.0g	number of vodaka drinks consumed per week in 1996
vodkaq1997	byte	%8.0g	number of vodaka drinks consumed per week in 1997
vodkaq1998	byte	%8.0g	number of vodaka drinks consumed per week in 1998
vodkaq1999	byte	%8.0g	number of vodaka drinks consumed per week in 1999
vodkaq2000	byte	%8.0g	number of vodaka drinks consumed per week in 2000
vodkaq2001	byte	%8.0g	number of vodaka drinks consumed per week in 2001
vodkaq2002	byte	%8.0g	number of vodaka drinks consumed per week in 2002

vodkaq2003	byte	%8.0g	**number of vodaka drinks consumed per week in 2003**
vodkaq2004	byte	%8.0g	**number of vodaka drinks consumed per week in 2004**
vodkaq2005	byte	%8.0g	**number of vodaka drinks consumed per week in 2005**
vodkaq2006	byte	%8.0g	**number of vodaka drinks consumed per week in 2006**
vodkaq2007	byte	%8.0g	**number of vodaka drinks consumed per week in 2007**
vodkaq2008	byte	%8.0g	**number of vodaka drinks consumed per week in 2008**
vodkaq2009	byte	%8.0g	**number of vodaka drinks consumed per week in 2009**
vodkaq2010	byte	%8.0g	**number of vodaka drinks consumed per week in 2010**
painq1980	byte	%8.0g	**number of pain medications per week in 1980**
painq1981	byte	%8.0g	**number of pain medications per week in 1981**
painq1982	byte	%8.0g	**number of pain medications per week in 1982**
painq1983	byte	%8.0g	**number of pain medications per week in 1983**
painq1984	byte	%8.0g	**number of pain medications per week in 1984**
painq1985	byte	%8.0g	**number of pain medications per week in 1985**
painq1986	byte	%8.0g	**number of pain medications per week in 1986**
painq1987	byte	%8.0g	**number of pain medications per week in 1987**
painq1988	byte	%8.0g	**number of pain medications per week in 1988**
painq1989	byte	%8.0g	**number of pain medications per week in 1989**
painq1990	byte	%8.0g	**number of pain medications per week in 1990**
painq1991	byte	%8.0g	**number of pain medications per week in 1991**
painq1992	byte	%8.0g	**number of pain medications per week in 1992**
painq1993	byte	%8.0g	**number of pain medications per week in 1993**
painq1994	byte	%8.0g	**number of pain medications per week in 1994**
painq1995	byte	%8.0g	**number of pain medications per week in 1995**
painq1996	byte	%8.0g	**number of pain medications per**

			week in 1996
painq1997	byte	%8.0g	**number of pain medications per week in 1997**
painq1998	byte	%8.0g	**number of pain medications per week in 1998**
painq1999	byte	%8.0g	**number of pain medications per week in 1999**
painq2000	byte	%8.0g	**number of pain medications per week in 2000**
painq2001	byte	%8.0g	**number of pain medications per week in 2001**
painq2002	byte	%8.0g	**number of pain medications per week in 2002**
painq2003	byte	%8.0g	**number of pain medications per week in 2003**
painq2004	byte	%8.0g	**number of pain medications per week in 2004**
painq2005	byte	%8.0g	**number of pain medications per week in 2005**
painq2006	byte	%8.0g	**number of pain medications per week in 2006**
painq2007	byte	%8.0g	**number of pain medications per week in 2007**
painq2008	byte	%8.0g	**number of pain medications per week in 2008**
painq2009	byte	%8.0g	**number of pain medications per week in 2009**
painq2010	byte	%8.0g	**number of pain medications per week in 2010**
doctn1980	byte	%8.0g	**number of doctor visits for any health reasons in 1980**
doctn1981	byte	%8.0g	**number of doctor visits for any health reasons in 1981**
doctn1982	byte	%8.0g	**number of doctor visits for any health reasons in 1982**
doctn1983	byte	%8.0g	**number of doctor visits for any health reasons in 1983**
doctn1984	byte	%8.0g	**number of doctor visits for any health reasons in 1984**
doctn1985	byte	%8.0g	**number of doctor visits for any health reasons in 1985**
doctn1986	byte	%8.0g	**number of doctor visits for any health reasons in 1986**
doctn1987	byte	%8.0g	**number of doctor visits for any health reasons in 1987**
doctn1988	byte	%8.0g	**number of doctor visits for any health reasons in 1988**
doctn1989	byte	%8.0g	**number of doctor visits for any health reasons in 1989**

doctn1990	byte	%8.0g	**number of doctor visits for any health reasons in 1990**
doctn1991	byte	%8.0g	**number of doctor visits for any health reasons in 1991**
doctn1992	byte	%8.0g	**number of doctor visits for any health reasons in 1992**
doctn1993	byte	%8.0g	**number of doctor visits for any health reasons in 1993**
doctn1994	byte	%8.0g	**number of doctor visits for any health reasons in 1994**
doctn1995	byte	%8.0g	**number of doctor visits for any health reasons in 1995**
doctn1996	byte	%8.0g	**number of doctor visits for any health reasons in 1996**
doctn1997	byte	%8.0g	**number of doctor visits for any health reasons in 1997**
doctn1998	byte	%8.0g	**number of doctor visits for any health reasons in 1998**
doctn1999	byte	%8.0g	**number of doctor visits for any health reasons in 1999**
doctn2000	byte	%8.0g	**number of doctor visits for any health reasons in 2000**
doctn2001	byte	%8.0g	**number of doctor visits for any health reasons in 2001**
doctn2002	byte	%8.0g	**number of doctor visits for any health reasons in 2002**
doctn2003	byte	%8.0g	**number of doctor visits for any health reasons in 2003**
doctn2004	byte	%8.0g	**number of doctor visits for any health reasons in 2004**
doctn2005	byte	%8.0g	**number of doctor visits for any health reasons in 2005**
doctn2006	byte	%8.0g	**number of doctor visits for any health reasons in 2006**
doctn2007	byte	%8.0g	**number of doctor visits for any health reasons in 2007**
doctn2008	byte	%8.0g	**number of doctor visits for any health reasons in 2008**
doctn2009	byte	%8.0g	**number of doctor visits for any health reasons in 2009**
doctn2010	byte	%8.0g	**number of doctor visits for any health reasons in 2010**
fampll1980	byte	%8.0g	**percent of influence that radiation had on family planning in 1980**
fampll1981	byte	%8.0g	**percent of influence that radiation had on family planning in 1981**
fampll1982	byte	%8.0g	**percent of influence that**

			radiation had on family planning in 1982
fampll1983	byte	%8.0g	**percent of influence that radiation had on family planning in 1983**
fampll1984	byte	%8.0g	**percent of influence that radiation had on family planning in 1984**
fampll1985	byte	%8.0g	**percent of influence that radiation had on family planning in 1985**
fampll1986	byte	%8.0g	**percent of influence that radiation had on family planning in 1986**
fampll1987	byte	%8.0g	**percent of influence that radiation had on family planning in 1987**
fampll1988	byte	%8.0g	**percent of influence that radiation had on family planning in 1988**
fampll1989	byte	%8.0g	**percent of influence that radiation had on family planning in 1989**
fampll1990	byte	%8.0g	**percent of influence that radiation had on family planning in 1990**
fampll1991	byte	%8.0g	**percent of influence that radiation had on family planning in 1991**
fampll1992	byte	%8.0g	**percent of influence that radiation had on family planning in 1992**
fampll1993	byte	%8.0g	**percent of influence that radiation had on family planning in 1993**
fampll1994	byte	%8.0g	**percent of influence that radiation had on family planning in 1994**
fampll1995	byte	%8.0g	**percent of influence that radiation had on family planning in 1995**
fampll1996	byte	%8.0g	**percent of influence that radiation had on family planning in 1996**
fampll1997	byte	%8.0g	**percent of influence that radiation had on family planning in 1997**
fampll1998	byte	%8.0g	**percent of influence that radiation had on family**

			planning in 1998
fampll1999	byte	%8.0g	percent of influence that radiation had on family planning in 1999
fampll2000	byte	%8.0g	percent of influence that radiation had on family planning in 2000
fampll2001	byte	%8.0g	percent of influence that radiation had on family planning in 2001
fampll2002	byte	%8.0g	percent of influence that radiation had on family planning in 2002
fampll2003	byte	%8.0g	percent of influence that radiation had on family planning in 2003
fampll2004	byte	%8.0g	percent of influence that radiation had on family planning in 2004
fampll2005	byte	%8.0g	percent of influence that radiation had on family planning in 2005
fampll2006	byte	%8.0g	percent of influence that radiation had on family planning in 2006
fampll2007	byte	%8.0g	percent of influence that radiation had on family planning in 2007
fampll2008	byte	%8.0g	percent of influence that radiation had on family planning in 2008
fampll2009	byte	%8.0g	percent of influence that radiation had on family planning in 2009
fampll2010	byte	%8.0g	percent of influence that radiation had on family planning in 2010
sett1r1	str23	%23s	* town of residence 1 time: april 26 - june 30 1986
sett1r2	str32	%32s	* town of residence 2 time: april 26 - june 30 1986
sett1r3	str32	%32s	* town of residence 3 time: april 26 - june 30 1986
sett1r4	str32	%32s	* town of residence 4 time: april 26 - june 30 1986
rait1r1	str23	%23s	* raion of residence 1 time: april 26 - june 30 1986
rait1r2	str32	%32s	* raion of residence 2 time: april 26 - june 30 1986

rait1r3	str32	%32s		* **raion of residence 3 time: april 26 - june 30 1986**
rait1r4	str32	%32s		* **raion of residence 4 time: april 26 - june 30 1986**
latdt1r1	byte	%10.0g		* **latitude in degrees residence 1 time 1 april 26-june 30 1986**
latdt1r2	byte	%10.0g		* **latitude in degrees residence 2 time 1 april 26-june 30 1986**
latdt1r3	byte	%10.0g		* **latitude in degrees residence 3 time 1 april 26-june 30 1986**
latdt1r4	byte	%10.0g		* **latitude in degrees residence 4 time 1 april 26-june 30 1986**
londt1r1	int	%10.0g		* **longitude in degrees residence 1 time 1 april 26-june 30 1986**
londt1r2	int	%10.0g		* **longitude in degrees residence 2 time 1 april 26-june 30 1986**
londt1r3	byte	%10.0g		* **longitude in degrees residence 3 time 1 april 26-june 30 1986**
londt1r4	byte	%10.0g		* **longitude in degrees residence 4 time 1 april 26-june 30 1986**
latmt1r1	byte	%10.0g		* **latitude in minutes residence 1 time 1 april 26-june 30 1986**
latmt1r2	int	%10.0g		* **latitude in minutes residence 2 time 1 april 26-june 30 1986**
latmt1r3	byte	%10.0g		* **latitude in minutes residence 3 time 1 april 26-june 30 1986**
latmt1r4	byte	%10.0g		* **latitude in minutes residence 4 time 1 april 26-june 30 1986**
lonmt1r1	byte	%10.0g		* **longitude in minutes residence 1 time 1 april 26-june 30 1986**
lonmt1r2	int	%10.0g		* **longitude in minutes residence 2 time 1 april 26-june 30 1986**
lonmt1r3	byte	%10.0g		* **longitude in minutes residence 3 time 1 april 26-june 30 1986**
lonmt1r4	byte	%10.0g		* **longitude in minutes residence 4 time 1 april 26-june 30 1986**
dayt1r1	int	%10.0g		* **days in residence 1 time 1 april 26-june 30 1986**
dayt1r2	byte	%10.0g		* **days in residence 2 time 1 april 26-june 30 1986**
dayt1r3	byte	%10.0g		* **days in residence 3 time 1 april 26-june 30 1986**
dayt1r4	byte	%10.0g		* **days in residence 4 time 1 april 26-june 30 1986**
oblt1r1	byte	%31.0g	LABG	* **oblast of residence 1 time 1 april 26-june 30 1986**
oblt1r2	byte	%31.0g	LABG	* **oblast of residence 2 time 1 april 26-june 30 1986**
oblt1r3	byte	%31.0g	LABG	* **oblast of residence 3 time 1**

				april 26-june 30 1986
oblt1r4	byte	%31.0g	LABG	* **oblast of residence 4 time 1 april 26-june 30 1986**
latt1r1	byte	%15.0g	LABF	* **latitude direction residence 1 time 1 april 26-june 30 1986**
latt1r2	byte	%15.0g	LABF	* **latitude direction residence 2 time 1 april 26-june 30 1986**
latt1r3	byte	%15.0g	LABF	* **latitude direction residence 3 time 1 april 26-june 30 1986**
latt1r4	byte	%15.0g	LABF	* **latitude direction residence 4 time 1 april 26-june 30 1986**
lont1r1	byte	%10.0g	lon	* **longitude direction residence 1 time 1 april 26-june 30 1986**
lont1r2	byte	%10.0g	lon	* **longitude direction residence 2 time 1 april 26-june 30 1986**
lont1r3	byte	%10.0g	lon	* **longitude direction residence 3 time 1 april 26-june 30 1986**
lont1r4	byte	%10.0g	lon	* **longitude direction residence 4 time 1 april 26-june 30 1986**
typet1r1	byte	%23.0g	LABL	* **type of residence 1 time 1 april 26-june 30 1986**
typet1r2	byte	%23.0g	LABL	* **type of residence 2 time 1 april 26-june 30 1986**
typet1r3	byte	%23.0g	LABL	* **type of residence 3 time 1 april 26-june 30 1986**
typet1r4	byte	%23.0g	LABL	* **type of residence 4 time 1 april 26-june 30 1986**
occt1r1	byte	%22.0g	LABM	* **occupation while in residence 1 time 1 april 26-june 30 1986**
occt1r2	byte	%22.0g	LABM	* **occupation while in residence 2 time 1 april 26-june 30 1986**
occt1r3	byte	%22.0g	LABM	* **occupation while in residence 3 time 1 april 26-june 30 1986**
occt1r4	byte	%22.0g	LABM	* **occupation while in residence 1 time 1 april 26-june 30 1986**
ldrt1r1	byte	%15.0g	LABC	* **did you consume liquid dairy products while in residence 1 time 1**
ldrt1r2	byte	%15.0g	LABC	* **did you consume liquid dairy products while in residence 2 time 1**
ldrt1r3	byte	%15.0g	LABC	* **did you consume liquid dairy products while in residence 3 time 1**
ldrt1r4	byte	%15.0g	LABC	* **did you consume liquid dairy products while in residence 4 time 1**
sldrt1r1	byte	%20.0g	LABN	* **source of liquid dairy products while in residence 1 time 1**

sldrt1r2	byte	%20.0g	LABN	* **source of liquid dairy products while in residence 2 time 1**
sldrt1r3	byte	%20.0g	LABN	* **source of liquid dairy products while in residence 3 time 1**
sldrt1r4	byte	%20.0g	LABN	* **source of liquid dairy products while in residence 4 time 1**
mlldt1r1	long	%8.0g		* **quantity of liquid dairy products (in ml) while in residence 1 time 1**
mlldt1r2	int	%8.0g		* **quantity of liquid dairy products (in ml) while in residence 2 time 1**
mlldt1r3	int	%8.0g		* **quantity of liquid dairy products (in ml) while in residence 3 time 1**
mlldt1r4	int	%8.0g		* **quantity of liquid dairy products (in ml) while in residence 4 time 1**
sdrt1r1	byte	%15.0g	LABC	* **did you consume solid dairy products while in residence 1 time 1**
sdrt1r2	byte	%15.0g	LABC	* **did you consume solid dairy products while in residence 2 time 1**
sdrt1r3	byte	%15.0g	LABC	* **did you consume solid dairy products while in residence 3 time 1**
sdrt1r4	byte	%15.0g	LABC	* **did you consume solid dairy products while in residence 4 time 1**
ssdrt1r1	byte	%20.0g	LABN	* **sourse of solid dairy products in residence 1 time 1**
ssdrt1r2	byte	%20.0g	LABN	* **sourse of solid dairy products in residence 2 time 1**
ssdrt1r3	byte	%20.0g	LABN	* **sourse of solid dairy products in residence 3 time 1**
ssdrt1r4	byte	%20.0g	LABN	* **sourse of solid dairy products in residence 4 time 1**
gldt1r1	long	%8.0g		* **quantity of solid dairy products (in grams) while in residence 1 time 1**
gldt1r2	long	%8.0g		* **quantity of solid dairy products (in grams) while in residence 2 time 1**
gldt1r3	int	%8.0g		* **quantity of solid dairy products (in grams) while in residence 3 time 1**
gldt1r4	int	%8.0g		* **quantity of solid dairy products (in grams) while in residence**

				4 time 1
lvt1r1	byte	%15.0g	LABC	* **did you consume leafy vegetables while in residence 1 time 1**
lvt1r2	byte	%15.0g	LABC	* **did you consume leafy vegetables while in residence 2 time 1**
lvt1r3	byte	%15.0g	LABC	* **did you consume leafy vegetables while in residence 3 time 1**
lvt1r4	byte	%15.0g	LABC	* **did you consume leafy vegetables while in residence 4 time 1**
slvt1r1	byte	%20.0g	LABN	* **source of leafy vegetables while in residence 1 time 1**
slvt1r2	byte	%20.0g	LABN	* **source of leafy vegetables while in residence 2 time 1**
slvt1r3	byte	%20.0g	LABN	* **source of leafy vegetables while in residence 3 time 1**
slvt1r4	byte	%20.0g	LABN	* **source of leafy vegetables while in residence 4 time 1**
glvt1r1	int	%8.0g		* **quantity of leafy vegetables (in grams) while in residence 1 time 1**
glvt1r2	int	%8.0g		* **quantity of leafy vegetables (in grams) while in residence 2 time 1**
glvt1r3	int	%8.0g		* **quantity of leafy vegetables (in grams) while in residence 3 time 1**
glvt1r4	int	%8.0g		* **quantity of leafy vegetables (in grams) while in residence 4 time 1**
sett2r1	str23	%23s		* **town of residence 1 time2: july 1- december 31 1986**
sett2r2	str32	%32s		* **town of residence 2 time2: july 1- december 31 1986**
sett2r3	str32	%32s		* **town of residence 3 time2: july 1- december 31 1986**
sett2r4	str32	%32s		* **town of residence 4 time2: july 1- december 31 1986**
rait2r1	str23	%23s		* **raion of residence 1 time2: july 1- december 31 1986**
rait2r2	str32	%32s		* **raion of residence 2 time2: july 1- december 31 1986**
rait2r3	str32	%32s		* **raion of residence 3 time2: july 1- december 31 1986**
rait2r4	str32	%32s		* **raion of residence 4 time2: july 1- december 31 1986**
latdt2r1	byte	%8.0g		* **latitude in degrees residence 1 time 2: july 1-december 31 1986**
latdt2r2	byte	%8.0g		* **latitude in degrees residence 2**

			time 2: july 1-december 31 1986
latdt2r3	byte	%8.0g	* **latitude in degrees residence 3 time 2: july 1-december 31 1986**
latdt2r4	byte	%8.0g	* **latitude in degrees residence 4 time 2: july 1-december 31 1986**
londt2r1	byte	%8.0g	* **longitude in degrees residence 1 time 2: july 1-december 31 1986**
londt2r2	byte	%8.0g	* **longitude in degrees residence 2 time 2: july 1-december 31 1986**
londt2r3	byte	%8.0g	* **longitude in degrees residence 3 time 2: july 1-december 31 1986**
londt2r4	byte	%8.0g	* **longitude in degrees residence 4 time 2: july 1-december 31 1986**
latmt2r1	byte	%8.0g	* **latitude in minutes residence 1 time 2: july 1-december 31 1986**
latmt2r2	byte	%8.0g	* **latitude in minutes residence 2 time 2: july 1-december 31 1986**
latmt2r3	byte	%8.0g	* **latitude in minutes residence 3 time 2: july 1-december 31 1986**
latmt2r4	byte	%8.0g	* **latitude in minutes residence 4 time 2: july 1-december 31 1986**
lonmt2r1	byte	%8.0g	* **longitude in minutes residence 1 time 2: july 1-december 31 1986**
lonmt2r2	byte	%8.0g	* **longitude in minutes residence 2 time 2: july 1-december 31 1986**
lonmt2r3	byte	%8.0g	* **longitude in minutes residence 3 time 2: july 1-december 31 1986**
lonmt2r4	byte	%8.0g	* **longitude in minutes residence 4 time 2: july 1-december 31 1986**
dayt2r1	int	%10.0g	* **days in residence 1 time 2: from july 1 -december 31 1986**
dayt2r2	int	%10.0g	* **days in residence 2 time 2: from july 1 -december 31 1986**
dayt2r3	int	%10.0g	* **days in residence 3 time 2: from**

				july 1 -december 31 1986
dayt2r4	int	%10.0g		*** days in residence 4 time 2: from july 1 -december 31 1986**
oblt2r1	byte	%31.0g	LABG	*** oblast of residence 1 time 2: july 1-december 31 1986**
oblt2r2	byte	%31.0g	LABG	*** oblast of residence 2 time 2: july 1-december 31 1986**
oblt2r3	byte	%31.0g	LABG	*** oblast of residence 3 time 2: july 1-december 31 1986**
oblt2r4	byte	%31.0g	LABG	*** oblast of residence 4 time 2: july 1-december 31 1986**
latt2r1	byte	%15.0g	LABF	*** latitude direction of residence 1 time 2: july 1-december 31 1986**
latt2r2	byte	%15.0g	LABF	*** latitude direction of residence 2 time 2: july 1-december 31 1986**
latt2r3	byte	%15.0g	LABF	*** latitude direction of residence 3 time 2: july 1-december 31 1986**
latt2r4	byte	%15.0g	LABF	*** latitude direction of residence 4 time 2: july 1-december 31 1986**
lont2r1	byte	%10.0g	lon	*** longitude direction of residence 1 time 2: july 1-december 31 1986**
lont2r2	byte	%10.0g	lon	*** longitude direction of residence 2 time 2: july 1-december 31 1986**
lont2r3	byte	%10.0g	lon	*** longitude direction of residence 3 time 2: july 1-december 31 1986**
lont2r4	byte	%10.0g	lon	*** longitude direction of residence 4 time 2: july 1-december 31 1986**
typet2r1	byte	%23.0g	LABL	*** type of residence 1 time 2: july 1-december 31 1986**
typet2r2	byte	%23.0g	LABL	*** type of residence 2 time 2: july 1-december 31 1986**
typet2r3	byte	%23.0g	LABL	*** type of residence 3 time 2: july 1-december 31 1986**
typet2r4	byte	%23.0g	LABL	*** type of residence 4 time 2: july 1-december 31 1986**
occt2r1	byte	%22.0g	LABM	*** occupation when in residence 1 time 2: july 1-december 31 1986**
occt2r2	byte	%22.0g	LABM	*** occupation when in residence 2 time 2: july 1-december 31 1986**

occt2r3	byte	%22.0g	LABM	* **occupation when in residence 3 time 2: july 1-december 31 1986**
occt2r4	byte	%22.0g	LABM	* **occupation when in residence 4 time 2: july 1-december 31 1986**
ldrt2r1	byte	%15.0g	LABC	* **did you consume liquid dairy in residence 1 time 2: july 1-december 31 1986**
ldrt2r2	byte	%15.0g	LABC	* **did you consume liquid dairy in residence 2 time 2: july 1-december 31 1986**
ldrt2r3	byte	%15.0g	LABC	* **did you consume liquid dairy in residence 3 time 2: july 1-december 31 1986**
ldrt2r4	byte	%15.0g	LABC	* **did you consume liquid dairy in residence 4 time 2: july 1-december 31 1986**
sldrt2r1	byte	%20.0g	LABN	* **source of liquid dairy residence 1 time 2: july 1-december 31 1986**
sldrt2r2	byte	%20.0g	LABN	* **source of liquid dairy residence 2 time 2: july 1-december 31 1986**
sldrt2r3	byte	%20.0g	LABN	* **source of liquid dairy residence 3 time 2: july 1-december 31 1986**
sldrt2r4	byte	%20.0g	LABN	* **source of liquid dairy residence 4 time 2: july 1-december 31 1986**
mlldt2r1	int	%8.0g		* **quantity liquid dairy (in ml) residence 1 time 2: july 1-december 31 1986**
mlldt2r2	int	%8.0g		* **quantity liquid dairy (in ml) residence 2 time 2: july 1-december 31 1986**
mlldt2r3	int	%8.0g		* **quantity liquid dairy (in ml) residence 3 time 2: july 1-december 31 1986**
mlldt2r4	int	%8.0g		* **quantity liquid dairy (in ml) residence 4 time 2: july 1-december 31 1986**
sdrt2r1	byte	%15.0g	LABC	* **did you consume solid dairy in residence 1 time 2: july 1-december 31 1986**
sdrt2r2	byte	%15.0g	LABC	* **did you consume solid dairy in residence 2 time 2: july 1-december 31 1986**
sdrt2r3	byte	%15.0g	LABC	* **did you consume solid dairy in**

				residence 3 time 2: july 1-december 31 1986
sdrt2r4	byte	%15.0g	LABC	* did you consume solid dairy in residence 4 time 2: july 1-december 31 1986
ssdrt2r1	byte	%20.0g	LABN	* source of solid dairy in residence 1 time 2: july 1-december 31 1986
ssdrt2r2	byte	%20.0g	LABN	* source of solid dairy in residence 2 time 2: july 1-december 31 1986
ssdrt2r3	byte	%20.0g	LABN	* source of solid dairy in residence 3 time 2: july 1-december 31 1986
ssdrt2r4	byte	%20.0g	LABN	* source of solid dairy in residence 4 time 2: july 1-december 31 1986
gldt2r1	long	%8.0g		* quantity solid dairy (in grams) residence 1 time 2: july 1-december 31 1986
gldt2r2	long	%8.0g		* quantity solid dairy (in grams) residence 2 time 2: july 1-december 31 1986
gldt2r3	int	%8.0g		* quantity solid dairy (in grams) residence 3 time 2: july 1-december 31 1986
gldt2r4	int	%8.0g		* quantity solid dairy (in grams) residence 4 time 2: july 1-december 31 1986
pott2r1	byte	%15.0g	LABC	did you consume potatoes in residence 1 time 2: july 1-december 31 1986
pott2r2	byte	%15.0g	LABC	did you consume potatoes in residence 2 time 2: july 1-december 31 1986
pott2r3	byte	%15.0g	LABC	did you consume potatoes in residence 3 time 2: july 1-december 31 1986
pott2r4	byte	%15.0g	LABC	did you consume potatoes in residence 4 time 2: july 1-december 31 1986
spott2r1	byte	%20.0g	LABN	source of potatoes in residence 1 time 2: july 1-december 31 1986
spott2r2	byte	%20.0g	LABN	source of potatoes in residence 2 time 2: july 1-december 31 1986
spott2r3	byte	%20.0g	LABN	source of potatoes in residence 3 time 2: july 1-december 31

				1986
spott2r4	byte	%20.0g	LABN	source of potatoes in residence 4 time 2: july 1-december 31 1986
gpott2r1	long	%8.0g		* quantity of potatoes (in grams) in residence 1 time 2: july 1-december 31 1986
gpott2r2	long	%8.0g		* quantity of potatoes (in grams) in residence 2 time 2: july 1-december 31 1986
gpott2r3	int	%8.0g		* quantity of potatoes (in grams) in residence 3 time 2: july 1-december 31 1986
gpott2r4	int	%8.0g		* quantity of potatoes (in grams) in residence 4 time 2: july 1-december 31 1986
prkt2r1	byte	%15.0g	LABC	did you consume pork in residence 1 time 2: july 1-december 31 1986
prkt2r2	byte	%15.0g	LABC	did you consume pork in residence 2 time 2: july 1-december 31 1986
prkt2r3	byte	%15.0g	LABC	did you consume pork in residence 3 time 2: july 1-december 31 1986
prkt2r4	byte	%15.0g	LABC	did you consume pork in residence 4 time 2: july 1-december 31 1986
sprkt2r1	byte	%20.0g	LABN	source of pork in residence 1 time 2: july 1-december 31 1986
sprkt2r2	byte	%20.0g	LABN	source of pork in residence 2 time 2: july 1-december 31 1986
sprkt2r3	byte	%20.0g	LABN	source of pork in residence 3 time 2: july 1-december 31 1986
sprkt2r4	byte	%20.0g	LABN	source of pork in residence 4 time 2: july 1-december 31 1986
gprkt2r1	int	%8.0g		* quantity of pork (in grams) residence 1 time 2: july 1-december 31 1986
gprkt2r2	int	%8.0g		* quantity of pork (in grams) residence 2 time 2: july 1-december 31 1986
gprkt2r3	int	%8.0g		* quantity of pork (in grams) residence 3 time 2: july 1-december 31 1986

gprkt2r4	int	%8.0g		* **quantity of pork (in grams) residence 4 time 2: july 1-december 31 1986**
beft2r1	byte	%15.0g	LABC	**did you consume beef in residence 1 time 2: july 1-december 31 1986**
beft2r2	byte	%15.0g	LABC	**did you consume beef in residence 2 time 2: july 1-december 31 1986**
beft2r3	byte	%15.0g	LABC	**did you consume beef in residence 3 time 2: july 1-december 31 1986**
beft2r4	byte	%15.0g	LABC	**did you consume beef in residence 4 time 2: july 1-december 31 1986**
sbeft2r1	byte	%20.0g	LABN	**source of beef in residence 1 time 2: july 1-december 31 1986**
sbeft2r2	byte	%20.0g	LABN	**source of beef in residence 2 time 2: july 1-december 31 1986**
sbeft2r3	byte	%20.0g	LABN	**source of beef in residence 3 time 2: july 1-december 31 1986**
sbeft2r4	byte	%20.0g	LABN	**source of beef in residence 4 time 2: july 1-december 31 1986**
gbeft2r1	int	%8.0g		* **quantity of beef (in grams) residence 1 time 2: july 1-december 31 1986**
gbeft2r2	int	%8.0g		* **quantity of beef (in grams) residence 2 time 2: july 1-december 31 1986**
gbeft2r3	int	%8.0g		* **quantity of beef (in grams) residence 3 time 2: july 1-december 31 1986**
gbeft2r4	int	%8.0g		* **quantity of beef (in grams) residence 4 time 2: july 1-december 31 1986**
pltt2r1	byte	%15.0g	LABC	**did you consume poultry in residence 1 time 2: july 1-december 31 1986**
pltt2r2	byte	%15.0g	LABC	**did you consume poultry in residence 2 time 2: july 1-december 31 1986**
pltt2r3	byte	%15.0g	LABC	**did you consume poultry in residence 3 time 2: july 1-december 31 1986**
pltt2r4	byte	%15.0g	LABC	**did you consume poultry in**

				residence 4 time 2: july 1-december 31 1986
spltt2r1	byte	%20.0g	LABN	**source of poultry in residence 1 time 2: july 1-december 31 1986**
spltt2r2	byte	%20.0g	LABN	**source of poultry in residence 2 time 2: july 1-december 31 1986**
spltt2r3	byte	%20.0g	LABN	**source of poultry in residence 3 time 2: july 1-december 31 1986**
spltt2r4	byte	%20.0g	LABN	**source of poultry in residence 4 time 2: july 1-december 31 1986**
gpltt2r1	int	%8.0g		*** quantity of poultry (in grams) in residence 1 time 2: july 1-december 31 1986**
gpltt2r2	int	%8.0g		*** quantity of poultry (in grams) in residence 2 time 2: july 1-december 31 1986**
gpltt2r3	int	%8.0g		*** quantity of poultry (in grams) in residence 3 time 2: july 1-december 31 1986**
gpltt2r4	int	%8.0g		*** quantity of poultry (in grams) in residence 4 time 2: july 1-december 31 1986**
msht2r1	byte	%15.0g	LABC	**did you consume mushrooms in residence 1 time 2: july 1-december 31 1986**
msht2r2	byte	%15.0g	LABC	**did you consume mushrooms in residence 2 time 2: july 1-december 31 1986**
msht2r3	byte	%15.0g	LABC	**did you consume mushrooms in residence 3 time 2: july 1-december 31 1986**
msht2r4	byte	%15.0g	LABC	**did you consume mushrooms in residence 4 time 2: july 1-december 31 1986**
smsht2r1	byte	%20.0g	LABN	**source of mushrooms in residence 1 time 2: july 1-december 31 1986**
smsht2r2	byte	%20.0g	LABN	**source of mushrooms in residence 2 time 2: july 1-december 31 1986**
smsht2r3	byte	%20.0g	LABN	**source of mushrooms in residence 3 time 2: july 1-december 31 1986**
smsht2r4	byte	%20.0g	LABN	**source of mushrooms in residence 4 time 2: july 1-december 31**

			1986
gmsht2r1	int	%8.0g	* quantity of mushr (in grams) per week residence 1 time 2: july1-december 31
gmsht2r2	int	%8.0g	* quantity of mushr (in grams) per week residence 2 time 2: july1-december 31
gmsht2r3	int	%8.0g	* quantity of mushr (in grams) per week residence 3 time 2: july1-december 31
gmsht2r4	byte	%8.0g	* quantity of mushr (in grams) per week residence 4 time 2: july1-december 31
sett3r1	str23	%23s	* town of residence 1 time 3: jan 1987 - dec 1990
sett3r2	str32	%32s	* town of residence 2 time 3: jan 1987 - dec 1990
sett3r3	str32	%32s	* town of residence 3 time 3: jan 1987 - dec 1990
sett3r4	str32	%32s	* town of residence 4 time 3: jan 1987 - dec 1990
rait3r1	str23	%23s	* raion of residence 1 time 3: jan 1987 - dec 1990
rait3r2	str32	%32s	* raion of residence 2 time 3: jan 1987 - dec 1990
rait3r3	str32	%32s	* raion of residence 3 time 3: jan 1987 - dec 1990
rait3r4	str32	%32s	* raion of residence 4 time 3: jan 1987 - dec 1990
latdt3r1	byte	%8.0g	* latitude in degrees residence 1 time 3: jan 1987 - dec 1990
latdt3r2	byte	%8.0g	* latitude in degrees residence 2 time 3: jan 1987 - dec 1990
latdt3r3	byte	%8.0g	* latitude in degrees residence 3 time 3: jan 1987 - dec 1990
latdt3r4	byte	%8.0g	* latitude in degrees residence 4 time 3: jan 1987 - dec 1990
londt3r1	int	%8.0g	* longitude in degrees residence 1 time 3: jan 1987 - dec 1990
londt3r2	int	%8.0g	* longitude in degrees residence 2 time 3: jan 1987 - dec 1990
londt3r3	int	%8.0g	* longitude in degrees residence 3 time 3: jan 1987 - dec 1990
londt3r4	byte	%8.0g	* longitude in degrees residence 4 time 3: jan 1987 - dec 1990
latmt3r1	byte	%8.0g	* latitude in minutes residence 1 time 3: jan 1987 - dec 1990
latmt3r2	byte	%8.0g	* latitude in minutes residence 2 time 3: jan 1987 - dec 1990

latmt3r3	byte	%8.0g		* **latitude in minutes residence 3 time 3: jan 1987 - dec 1990**
latmt3r4	byte	%8.0g		* **latitude in minutes residence 4 time 3: jan 1987 - dec 1990**
lonmt3r1	byte	%8.0g		* **longitude in minutes residence 1 time 3: jan 1987 - dec 1990**
lonmt3r2	byte	%8.0g		* **longitude in minutes residence 2 time 3: jan 1987 - dec 1990**
lonmt3r3	byte	%8.0g		* **longitude in minutes residence 3 time 3: jan 1987 - dec 1990**
lonmt3r4	byte	%8.0g		* **longitude in minutes residence 4 time 3: jan 1987 - dec 1990**
mntht3r1	byte	%10.0g		* **how long did you stay in residence 1 time 3: jan 1987 - dec 1990**
mntht3r2	byte	%10.0g		* **how long did you stay in residence 2 time 3: jan 1987 - dec 1990**
mntht3r3	byte	%10.0g		* **how long did you stay in residence 3 time 3: jan 1987 - dec 1990**
mntht3r4	byte	%10.0g		* **how long did you stay in residence 4 time 3: jan 1987 - dec 1990**
oblt3r1	byte	%31.0g	LABG	* **oblast of residence 1 time 3: jan 1987 - dec 1990**
oblt3r2	byte	%31.0g	LABG	* **oblast of residence 2 time 3: jan 1987 - dec 1990**
oblt3r3	byte	%31.0g	LABG	* **oblast of residence 3 time 3: jan 1987 - dec 1990**
oblt3r4	byte	%31.0g	LABG	* **oblast of residence 4 time 3: jan 1987 - dec 1990**
latt3r1	byte	%15.0g	LABF	* **latitude direction of residence 1 time 3: jan 1987 - dec 1990**
latt3r2	byte	%15.0g	LABF	* **latitude direction of residence 2 time 3: jan 1987 - dec 1990**
latt3r3	byte	%15.0g	LABF	* **latitude direction of residence 3 time 3: jan 1987 - dec 1990**
latt3r4	byte	%15.0g	LABF	* **latitude direction of residence 4 time 3: jan 1987 - dec 1990**
lont3r1	byte	%10.0g	lon	* **longitude direction of residence 1 time 3: jan 1987 - dec 1990**
lont3r2	byte	%10.0g	lon	* **longitude direction of residence 2 time 3: jan 1987 - dec 1990**
lont3r3	byte	%10.0g	lon	* **longitude direction of residence 3 time 3: jan 1987 - dec 1990**
lont3r4	byte	%10.0g	lon	* **longitude direction of residence 4 time 3: jan 1987 - dec 1990**
typet3r1	byte	%23.0g	LABL	**type of residence 1 time 3: jan**

				1987 - dec 1990
typet3r2	byte	%23.0g	LABL	type of residence 2 time 3: jan 1987 - dec 1990
typet3r3	byte	%23.0g	LABL	type of residence 3 time 3: jan 1987 - dec 1990
typet3r4	byte	%23.0g	LABL	type of residence 4 time 3: jan 1987 - dec 1990
occt3r1	byte	%22.0g	LABO	occupation while in residence 1 time 3: jan 1987 - dec 1990
occt3r2	byte	%22.0g	LABO	occupation while in residence 2 time 3: jan 1987 - dec 1990
occt3r3	byte	%22.0g	LABO	occupation while in residence 3 time 3: jan 1987 - dec 1990
occt3r4	byte	%22.0g	LABO	occupation while in residence 4 time 3: jan 1987 - dec 1990
ldrt3r1	byte	%15.0g	LABC	* did you consume liquid dairy in residence 1 time 3: jan 1987 - dec 1990
ldrt3r2	byte	%15.0g	LABC	* did you consume liquid dairy in residence 2 time 3: jan 1987 - dec 1990
ldrt3r3	byte	%15.0g	LABC	* did you consume liquid dairy in residence 3 time 3: jan 1987 - dec 1990
ldrt3r4	byte	%15.0g	LABC	* did you consume liquid dairy in residence 4 time 3: jan 1987 - dec 1990
sldrt3r1	byte	%20.0g	LABN	* source of liquid dairy in residence 1 time 3: jan 1987 - dec 1990
sldrt3r2	byte	%20.0g	LABN	* source of liquid dairy in residence 2 time 3: jan 1987 - dec 1990
sldrt3r3	byte	%20.0g	LABN	* source of liquid dairy in residence 3 time 3: jan 1987 - dec 1990
sldrt3r4	byte	%20.0g	LABN	* source of liquid dairy in residence 4 time 3: jan 1987 - dec 1990
mlldt3r1	int	%8.0g		* quantity (in ml) of liquid dairy per week residence 1 time 3: jan 1987 - dec90
mlldt3r2	int	%8.0g		* quantity (in ml) of liquid dairy per week residence 2 time 3: jan 1987 - dec90
mlldt3r3	int	%8.0g		* quantity (in ml) of liquid dairy per week residence 3 time 3: jan 1987 - dec90
mlldt3r4	int	%8.0g		* quantity (in ml) of liquid dairy

				per week residence 4 time 3: jan 1987 - dec90
sdrt3r1	byte	%15.0g	LABC	* **did you consume solid dairy in residence 1 time 3: jan 1987 - dec 1990**
sdrt3r2	byte	%15.0g	LABC	* **did you consume solid dairy in residence 2 time 3: jan 1987 - dec 1990**
sdrt3r3	byte	%15.0g	LABC	* **did you consume solid dairy in residence 3 time 3: jan 1987 - dec 1990**
sdrt3r4	byte	%15.0g	LABC	* **did you consume solid dairy in residence 4 time 3: jan 1987 - dec 1990**
ssdrt3r1	byte	%20.0g	LABN	* **source of solid dairy in residence 1 time 3: jan 1987 - dec 1990**
ssdrt3r2	byte	%20.0g	LABN	* **source of solid dairy in residence 2 time 3: jan 1987 - dec 1990**
ssdrt3r3	byte	%20.0g	LABN	* **source of solid dairy in residence 3 time 3: jan 1987 - dec 1990**
ssdrt3r4	byte	%20.0g	LABN	* **source of solid dairy in residence 4 time 3: jan 1987 - dec 1990**
gldt3r1	int	%8.0g		* **quantity (in grams) of solid dairy per week res 1 time 3: jan 1987 - dec 1990**
gldt3r2	int	%8.0g		* **quantity (in grams) of solid dairy per week res 2 time 3: jan 1987 - dec 1990**
gldt3r3	int	%8.0g		* **quantity (in grams) of solid dairy per week res 3 time 3: jan 1987 - dec 1990**
gldt3r4	byte	%8.0g		* **quantity (in grams) of solid dairy per week res 4 time 3: jan 1987 - dec 1990**
pott3r1	byte	%15.0g	LABC	* **did you consume potatoes in residence 1 time 3: jan 1987 - dec 1990**
pott3r2	byte	%15.0g	LABC	* **did you consume potatoes in residence 2 time 3: jan 1987 - dec 1990**
pott3r3	byte	%15.0g	LABC	* **did you consume potatoes in residence 3 time 3: jan 1987 - dec 1990**
pott3r4	byte	%15.0g	LABC	* **did you consume potatoes in residence 4 time 3: jan 1987 -**

				dec 1990
spott3r1	byte	%20.0g	LABN	source of potatoes in residence 1 time 3: jan 1987 - dec 1990
spott3r2	byte	%20.0g	LABN	source of potatoes in residence 2 time 3: jan 1987 - dec 1990
spott3r3	byte	%20.0g	LABN	source of potatoes in residence 3 time 3: jan 1987 - dec 1990
spott3r4	byte	%20.0g	LABN	source of potatoes in residence 4 time 3: jan 1987 - dec 1990
gpott3r1	int	%8.0g		* quantity (in grams) of potatoes per week residence 1 time 3: jan 1987 - dec 1990
gpott3r2	int	%8.0g		* quantity (in grams) of potatoes per week residence 2 time 3: jan 1987 - dec 1990
gpott3r3	int	%8.0g		* quantity (in grams) of potatoes per week residence 3 time 3: jan 1987 - dec 1990
gpott3r4	int	%8.0g		* quantity (in grams) of potatoes per week residence 4 time 3: jan 1987 - dec 1990
prkt3r1	byte	%15.0g	LABC	did you consume pork in residence 1 time 3: jan 1987 - dec 1990
prkt3r2	byte	%15.0g	LABC	did you consume pork in residence 2 time 3: jan 1987 - dec 1990
prkt3r3	byte	%15.0g	LABC	did you consume pork in residence 3 time 3: jan 1987 - dec 1990
prkt3r4	byte	%15.0g	LABC	did you consume pork in residence 4 time 3: jan 1987 - dec 1990
sprkt3r1	byte	%20.0g	LABN	source of pork in residence 1 time 3: jan 1987 - dec 1990
sprkt3r2	byte	%20.0g	LABN	source of pork in residence 2 time 3: jan 1987 - dec 1990
sprkt3r3	byte	%20.0g	LABN	source of pork in residence 3 time 3: jan 1987 - dec 1990
sprkt3r4	byte	%20.0g	LABN	source of pork in residence 4 time 3: jan 1987 - dec 1990
gprkt3r1	long	%8.0g		* quantity (in grams) of pork per week residence 1 time 3: jan 1987 - dec 1990
gprkt3r2	long	%8.0g		* quantity (in grams) of pork per week residence 2 time 3: jan 1987 - dec 1990
gprkt3r3	long	%8.0g		* quantity (in grams) of pork per week residence 3 time 3: jan

				1987 - dec 1990
gprkt3r4	int	%8.0g		*** quantity (in grams) of pork per week residence 4 time 3: jan 1987 - dec 1990**
beft3r1	byte	%15.0g	LABC	**did you consume beef in residence 1 time 3: jan 1987 - dec 1990**
beft3r2	byte	%15.0g	LABC	**did you consume beef in residence 2 time 3: jan 1987 - dec 1990**
beft3r3	byte	%15.0g	LABC	**did you consume beef in residence 3 time 3: jan 1987 - dec 1990**
beft3r4	byte	%15.0g	LABC	**did you consume beef in residence 4 time 3: jan 1987 - dec 1990**
sbeft3r1	byte	%20.0g	LABN	**source of beef in residence 1 time 3: jan 1987 - dec 1990**
sbeft3r2	byte	%20.0g	LABN	**source of beef in residence 2 time 3: jan 1987 - dec 1990**
sbeft3r3	byte	%20.0g	LABN	**source of beef in residence 3 time 3: jan 1987 - dec 1990**
sbeft3r4	byte	%20.0g	LABN	**source of beef in residence 4 time 3: jan 1987 - dec 1990**
gbeft3r1	long	%8.0g		*** quantity (in grams) of beef per week residence 1 time 3: jan 1987 - dec 1990**
gbeft3r2	int	%8.0g		*** quantity (in grams) of beef per week residence 2 time 3: jan 1987 - dec 1990**
gbeft3r3	int	%8.0g		*** quantity (in grams) of beef per week residence 3 time 3: jan 1987 - dec 1990**
gbeft3r4	int	%8.0g		*** quantity (in grams) of beef per week residence 4 time 3: jan 1987 - dec 1990**
pltt3r1	byte	%15.0g	LABC	**did you consume poultry in residence 1 time 3: jan 1987 - dec 1990**
pltt3r2	byte	%15.0g	LABC	**did you consume poultry in residence 2 time 3: jan 1987 - dec 1990**
pltt3r3	byte	%15.0g	LABC	**did you consume poultry in residence 3 time 3: jan 1987 - dec 1990**
pltt3r4	byte	%15.0g	LABC	**did you consume poultry in residence 4 time 3: jan 1987 - dec 1990**
spltt3r1	byte	%20.0g	LABN	**source of paultry in residence 1**

				time 3: jan 1987 - dec 1990
spltt3r2	byte	%20.0g	LABN	source of paultry in residence 2 time 3: jan 1987 - dec 1990
spltt3r3	byte	%20.0g	LABN	source of paultry in residence 3 time 3: jan 1987 - dec 1990
spltt3r4	byte	%20.0g	LABN	source of paultry in residence 4 time 3: jan 1987 - dec 1990
gpltt3r1	long	%8.0g		* quantity (in grams) of paultry per week residence 1 time 3: jan 1987 - dec 1990
gpltt3r2	int	%8.0g		* quantity (in grams) of paultry per week residence 2 time 3: jan 1987 - dec 1990
gpltt3r3	int	%8.0g		* quantity (in grams) of paultry per week residence 3 time 3: jan 1987 - dec 1990
gpltt3r4	int	%8.0g		* quantity (in grams) of paultry per week residence 4 time 3: jan 1987 - dec 1990
msht3r1	byte	%15.0g	LABC	did you consume mushrooms in residence 1 time 3: jan 1987 - dec 1990
msht3r2	byte	%15.0g	LABC	did you consume mushrooms in residence 2 time 3: jan 1987 - dec 1990
msht3r3	byte	%15.0g	LABC	did you consume mushrooms in residence 3 time 3: jan 1987 - dec 1990
msht3r4	byte	%15.0g	LABC	did you consume mushrooms in residence 4 time 3: jan 1987 - dec 1990
smsht3r1	byte	%20.0g	LABN	source of mushrooms in residence 1 time 3: jan 1987 - dec 1990
smsht3r2	byte	%20.0g	LABN	source of mushrooms in residence 2 time 3: jan 1987 - dec 1990
smsht3r3	byte	%20.0g	LABN	source of mushrooms in residence 3 time 3: jan 1987 - dec 1990
smsht3r4	byte	%20.0g	LABN	source of mushrooms in residence 4 time 3: jan 1987 - dec 1990
gmsht3r1	int	%8.0g		* quantity (in grams) of mushroom per week residence 1 time 3: jan 1987 - dec 1990
gmsht3r2	int	%8.0g		* quantity (in grams) of mushroom per week residence 2 time 3: jan 1987 - dec 1990
gmsht3r3	int	%8.0g		* quantity (in grams) of mushroom per week residence 3 time 3: jan 1987 - dec 1990
gmsht3r4	byte	%8.0g		* quantity (in grams) of mushroom

				per week residence 4 time 3: jan 1987 - dec 1990
sett4r1	str23	%23s	*	**town of residence 1 time 4: jan 1991-now**
sett4r2	str32	%32s		**town of residence 2 time 4: jan 1991-now**
sett4r3	str32	%32s		**town of residence 3 time 4: jan 1991-now**
sett4r4	str32	%32s		**town of residence 4 time 4: jan 1991-now**
rait4r1	str23	%23s		**raion of residence 1 time 4: jan 1991-now**
rait4r2	str32	%32s		**raion of residence 2 time 4: jan1991-now**
rait4r3	str32	%32s		**raion of residence 3 time 4: jan1991-now**
rait4r4	str32	%32s		**raion of residence 4 time 4: jan 1991-now**
latdt4r1	byte	%8.0g	*	**latitude in degrees residence 1 time 4: jan 1991-now**
latdt4r2	byte	%8.0g	*	**latitude in degrees residence 2 time 4: jan 1991-now**
latdt4r3	byte	%8.0g	*	**latitude in degrees residence 3 time 4: jan 1991-now**
latdt4r4	byte	%8.0g	*	**latitude in degrees residence 4 time 4: jan 1991-now**
londt4r1	int	%8.0g	*	**longitude in degrees residence 1 time 4: jan 1991-now**
londt4r2	int	%8.0g	*	**longitude in degrees residence 2 time 4: jan 1991-now**
londt4r3	byte	%8.0g	*	**longitude in degrees residence 3 time 4: jan 1991-now**
londt4r4	byte	%8.0g	*	**longitude in degrees residence 4 time 4: jan 1991-now**
latmt4r1	byte	%8.0g	*	**latitude in minutes residence 1 time 4: jan 1991-now**
latmt4r2	byte	%8.0g	*	**latitude in minutes residence 2 time 4: jan 1991-now**
latmt4r3	byte	%8.0g	*	**latitude in minutes residence 3 time 4: jan 1991-now**
latmt4r4	byte	%8.0g	*	**latitude in minutes residence 4 time 4: jan 1991-now**
lonmt4r1	byte	%8.0g	*	**longitude in minutes residence 1 time 4: jan 1991-now**
lonmt4r2	byte	%8.0g	*	**longitude in minutes residence 2 time 4: jan 1991-now**
lonmt4r3	byte	%8.0g	*	**longitude in minutes residence 3 time 4: jan 1991-now**
lonmt4r4	byte	%8.0g	*	**longitude in minutes residence 4**

				time 4: jan 1991-now
mntht4r1	int	%8.0g		* how long did you stay in residence 1 time 4: jan 1991-now
mntht4r2	int	%8.0g		* how long did you stay in residence 2 time 4: jan 1991-now
mntht4r3	int	%8.0g		* how long did you stay in residence 3 time 4: jan 1991-now
mntht4r4	byte	%8.0g		* how long did you stay in residence 4 time 4: jan 1991-now
oblt4r1	byte	%31.0g	LABG	oblast of the residence 1 time 4: jan 1991-now
oblt4r2	byte	%31.0g	LABG	oblast of the residence 2 time 4: jan 1991-now
oblt4r3	byte	%31.0g	LABG	oblast of the residence 3 time 4: jan 1991-now
oblt4r4	byte	%31.0g	LABG	oblast of the residence 4 time 4: jan 1991-now
latt4r1	byte	%15.0g	LABF	direction of latitude of residence 1 time 4: jan 1991-now
latt4r2	byte	%15.0g	LABF	direction of latitude of residence 2 time 4: jan 1991-now
latt4r3	byte	%15.0g	LABF	direction of latitude of residence 3 time 4: jan 1991-now
latt4r4	byte	%15.0g	LABF	direction of latitude of residence 4 time 4: jan 1991-now
lont4r1	byte	%10.0g	lon	direction of longitude of residence 1 time 4: jan 1991-now
lont4r2	byte	%10.0g	lon	direction of longitude of residence 2 time 4: jan 1991-now
lont4r3	byte	%10.0g	lon	direction of longitude of residence 3 time 4: jan 1991-now
lont4r4	byte	%10.0g	lon	direction of longitude of residence 4 time 4: jan 1991-now
typet4r1	byte	%23.0g	LABL	type of residence 1 time 4: jan 1991-now
typet4r2	byte	%23.0g	LABL	type of residence 2 time 4: jan 1991-now

typet4r3	byte	%23.0g	LABL	**type of residence 3 time 4: jan 1991-now**
typet4r4	byte	%23.0g	LABL	**type of residence 4 time 4: jan 1991-now**
occt4r1	byte	%22.0g	LABM	**ocupation when in residence 1 time 4: jan 1991-now**
occt4r2	byte	%22.0g	LABM	**ocupation when in residence 2 time 4: jan 1991-now**
occt4r3	byte	%22.0g	LABM	**ocupation when in residence 3 time 4: jan 1991-now**
occt4r4	byte	%22.0g	LABM	**ocupation when in residence 4 time 4: jan 1991-now**
ldrt4r1	byte	%15.0g	LABC	**did you consume liquid dairy products in residence 1 time 4: jan 1991-now**
ldrt4r2	byte	%15.0g	LABC	**did you consume liquid dairy products in residence 2 time 4: jan 1991-now**
ldrt4r3	byte	%15.0g	LABC	**did you consume liquid dairy products in residence 3 time 4: jan 1991-now**
ldrt4r4	byte	%15.0g	LABC	**did you consume liquid dairy products in residence 4 time 4: jan 1991-now**
sldrt4r1	byte	%20.0g	LABN	* **source of liquid dairy products in residence 1 time 4: jan 1991-now**
sldrt4r2	byte	%20.0g	LABN	* **source of liquid dairy products in residence 2 time 4: jan 1991-now**
sldrt4r3	byte	%20.0g	LABN	* **source of liquid dairy products in residence 3 time 4: jan 1991-now**
sldrt4r4	byte	%20.0g	LABN	* **source of liquid dairy products in residence 4 time 4: jan 1991-now**
mlldt4r1	int	%8.0g		* **quantity (in ml) of liquid dairy products in residence 1 time 4: jan 1991-now**
mlldt4r2	int	%8.0g		* **quantity (in ml) of liquid dairy products in residence 2 time 4: jan 1991-now**
mlldt4r3	int	%8.0g		* **quantity (in ml) of liquid dairy products in residence 3 time 4: jan 1991-now**
mlldt4r4	int	%8.0g		* **quantity (in ml) of liquid dairy products in residence 4 time 4: jan 1991-now**
sdrt4r1	byte	%15.0g	LABC	* **did you consume solid dairy**

				products in residence 1 time 4: jan 1991-now
sdrt4r2	byte	%15.0g	LABC	* **did you consume solid dairy products in residence 2 time 4: jan 1991-now**
sdrt4r3	byte	%15.0g	LABC	* **did you consume solid dairy products in residence 3 time 4: jan 1991-now**
sdrt4r4	byte	%15.0g	LABC	* **did you consume solid dairy products in residence 4 time 4: jan 1991-now**
ssdrt4r1	byte	%20.0g	LABN	* **source of solid dairy products in residence 1 time 4: jan 1991-now**
ssdrt4r2	byte	%20.0g	LABN	* **source of solid dairy products in residence 2 time 4: jan 1991-now**
ssdrt4r3	byte	%20.0g	LABN	* **source of solid dairy products in residence 3 time 4: jan 1991-now**
ssdrt4r4	byte	%20.0g	LABN	* **source of solid dairy products in residence 4 time 4: jan 1991-now**
gldt4r1	long	%8.0g		* **quantity (in grams) of solid dairy in residence 1 time 4: jan 1991-now**
gldt4r2	long	%8.0g		* **quantity (in grams) of solid dairy in residence 2 time 4: jan 1991-now**
gldt4r3	long	%8.0g		* **quantity (in grams) of solid dairy in residence 3 time 4: jan 1991-now**
gldt4r4	int	%8.0g		* **quantity (in grams) of solid dairy in residence 4 time 4: jan 1991-now**
pott4r1	byte	%15.0g	LABC	**did you consume potatoes in residence 1 time 4: jan 1991-now**
pott4r2	byte	%15.0g	LABC	**did you consume potatoes in residence 2 time 4: jan 1991-now**
pott4r3	byte	%15.0g	LABC	**did you consume potatoes in residence 3 time 4: jan 1991-now**
pott4r4	byte	%15.0g	LABC	**did you consume potatoes in residence 4 time 4: jan 1991-now**
spott4r1	byte	%20.0g	LABN	* **source of potatoes in residence 1 time 4: jan 1991-now**

spott4r2	byte	%20.0g	LABN	* **source of potatoes in residence 2 time 4: jan 1991-now**
spott4r3	byte	%20.0g	LABN	* **source of potatoes in residence 3 time 4: jan 1991-now**
spott4r4	byte	%20.0g	LABN	* **source of potatoes in residence 4 time 4: jan 1991-now**
gpott4r1	long	%8.0g		* **quantity of potatoes (in grams) per week in residence 1 time 4: jan 1991-now**
gpott4r2	long	%8.0g		* **quantity of potatoes (in grams) per week in residence 2 time 4: jan 1991-now**
gpott4r3	int	%8.0g		* **quantity of potatoes (in grams) per week in residence 3 time 4: jan 1991-now**
gpott4r4	int	%8.0g		* **quantity of potatoes (in grams) per week in residence 4 time 4: jan 1991-now**
prkt4r1	byte	%15.0g	LABC	**did you consume pork in residence 1 time 4: jan 1991-now**
prkt4r2	byte	%15.0g	LABC	**did you consume pork in residence 2 time 4: jan 1991-now**
prkt4r3	byte	%15.0g	LABC	**did you consume pork in residence 3 time 4: jan 1991-now**
prkt4r4	byte	%15.0g	LABC	**did you consume pork in residence 4 time 4: jan 1991-now**
sprkt4r1	byte	%20.0g	LABN	* **source of pork in residence 1 time 4: jan 1991-now**
sprkt4r2	byte	%20.0g	LABN	* **source of pork in residence 2 time 4: jan 1991-now**
sprkt4r3	byte	%20.0g	LABN	* **source of pork in residence 3 time 4: jan 1991-now**
sprkt4r4	byte	%20.0g	LABN	* **source of pork in residence 4 time 4: jan 1991-now**
gprkt4r1	int	%8.0g		* **quantity of pork (in grams) per week in residence 1 time 4: jan 1991-now**
gprkt4r2	int	%8.0g		* **quantity of pork (in grams) per week in residence 2 time 4: jan 1991-now**
gprkt4r3	int	%8.0g		* **quantity of pork (in grams) per week in residence 3 time 4: jan 1991-now**
gprkt4r4	int	%8.0g		* **quantity of pork (in grams) per week in residence 4 time 4:**

				jan 1991-now
beft4r1	byte	%15.0g	LABC	did you consume beef in residence 1 time 4: jan 1991-now
beft4r2	byte	%15.0g	LABC	did you consume beef in residence 2 time 4: jan 1991-now
beft4r3	byte	%15.0g	LABC	did you consume beef in residence 3 time 4: jan 1991-now
beft4r4	byte	%15.0g	LABC	did you consume beef in residence 4 time 4: jan 1991-now
sbeft4r1	byte	%20.0g	LABN	source of beef in residence 1 in time 4: jan 1991-now
sbeft4r2	byte	%20.0g	LABN	source of beef in residence 2 in time 4: jan 1991-now
sbeft4r3	byte	%20.0g	LABN	source of beef in residence 3 in time 4: jan 1991-now
sbeft4r4	byte	%20.0g	LABN	source of beef in residence 4 in time 4: jan 1991-now
gbeft4r1	long	%8.0g		* quantity of beef (in grams) per week in residence 1 in time 4: jan 1991-now
gbeft4r2	int	%8.0g		* quantity of beef (in grams) per week in residence 2 in time 4: jan 1991-now
gbeft4r3	int	%8.0g		* quantity of beef (in grams) per week in residence 3 in time 4: jan 1991-now
gbeft4r4	int	%8.0g		* quantity of beef (in grams) per week in residence 4 in time 4: jan 1991-now
pltt4r1	byte	%15.0g	LABC	* did you consume poultry in residence 1 in time 4: jan 1991-now
pltt4r2	byte	%15.0g	LABC	* did you consume poultry in residence 2 in time 4: jan 1991-now
pltt4r3	byte	%15.0g	LABC	* did you consume poultry in residence 3 in time 4: jan 1991-now
pltt4r4	byte	%15.0g	LABC	* did you consume poultry in residence 4 in time 4: jan 1991-now
spltt4r1	byte	%20.0g	LABN	source of paultry in residence 1 in time 4: jan 1991-now
spltt4r2	byte	%20.0g	LABN	source of paultry in residence 2 in time 4: jan 1991-now

splt4r3	byte	%20.0g	LABN		**source of paultry in residence 3 in time 4: jan 1991-now**
splt4r4	byte	%20.0g	LABN		**source of paultry in residence 4 in time 4: jan 1991-now**
gplt4r1	long	%8.0g		*	**quantity of paultry (in grams) per week in residence 1 in time 4: jan 1991-now**
gplt4r2	int	%8.0g		*	**quantity of paultry (in grams) per week in residence 2 in time 4: jan 1991-now**
gplt4r3	int	%8.0g		*	**quantity of paultry (in grams) per week in residence 3 in time 4: jan 1991-now**
gplt4r4	int	%8.0g		*	**quantity of paultry (in grams) per week in residence 4 in time 4: jan 1991-now**
msht4r1	byte	%15.0g	LABC	*	**did you consume mushrooms in residence 1 in time 4: jan 1991-now**
msht4r2	byte	%15.0g	LABC	*	**did you consume mushrooms in residence 2 in time 4: jan 1991-now**
msht4r3	byte	%15.0g	LABC	*	**did you consume mushrooms in residence 3 in time 4: jan 1991-now**
msht4r4	byte	%15.0g	LABC	*	**did you consume mushrooms in residence 4 in time 4: jan 1991-now**
smsht4r1	byte	%20.0g	LABN		**source of mushrooms in residence 1 in time 4: jan 1991-now**
smsht4r2	byte	%20.0g	LABN		**source of mushrooms in residence 2 in time 4: jan 1991-now**
smsht4r3	byte	%20.0g	LABN		**source of mushrooms in residence 2 in time 4: jan 1991-now**
smsht4r4	byte	%20.0g	LABN		**source of mushrooms in residence 3 in time 4: jan 1991-now**
gmsht4r1	int	%8.0g		*	**quantity of mushroom (in grams) per week in residence 1 in time 4: jan 1991-now**
gmsht4r2	int	%8.0g		*	**quantity of mushroom (in grams) per week in residence 2 in time 4: jan 1991-now**
gmsht4r3	int	%8.0g		*	**quantity of mushroom (in grams) per week in residence 3 in time 4: jan 1991-now**
gmsht4r4	byte	%8.0g		*	**quantity of mushroom (in grams) per week in residence 4 in time 4: jan 1991-now**
csflfrnd	byte	%15.0g	LABB	*	**let your feelings out to a**

					friend?
csrearr	byte	%15.0g	LABB	*	**rearranged things around you so that your problem had the best chance of being s**
csbrstrm	byte	%15.0g	LABB		**brainstormed all possible solutions before deciding what to do?**
csdist	byte	%15.0g	LABB		**tried to distract yourself from the problem?**
csaccsy	byte	%15.0g	LABB		**accepted sympathy and understanding from someone?**
cskpothe	byte	%15.0g	LABB		**did all you could to keep others from seeing how bad things really were?**
cstkpeop	byte	%15.0g	LABB	*	**talked to people about the situation because talking about it helped you to feel**
cssetgoa	byte	%15.0g	LABB		**set some goals for yourself to deal with the situation?**
cswghopt	byte	%15.0g	LABB		**weighed your options very carefully?**
csddream	byte	%15.0g	LABB		**daydreamed about a better time?**
csdifsov	byte	%15.0g	LABB		**tried different ways to solve the problem until you found one that worked?**
cscofear	byte	%15.0g	LABB		**confided your fears and worries to a friend or a relative?**
csalone	byte	%15.0g	LABB		**spent more time than usual alone?**
cstldpep	byte	%15.0g	LABB	*	**told people about the situation because just talking about it helped you to come**
csstngs	byte	%15.0g	LABB		**thought about what needed to be done to straighten things out?**
csflatt	byte	%15.0g	LABB		**turned your full attention to solving the problem?**
csactpl	byte	%15.0g	LABB		**formed a plan of action in your mind?**
cstv	byte	%15.0g	LABB		**watched television more than usual?**
csfrndpr	byte	%15.0g	LABB		**went to someone (friend or professional) in order to help you feel better?**
csstndfr	byte	%15.0g	LABB		**stood firm and fought for what you wanted in the situation?**
csavdppl	byte	%15.0g	LABB		**avoided being with people in general?**
cshbspor	byte	%15.0g	LABB		**buried yourself in a hobby or sports activity to avoid the**

				problem?
csfriend	byte	%15.0g	LABB	went to a friend to help you feel better about the problem?
csadvice	byte	%15.0g	LABB	went to a friend for advice on how to change the situation?
csacsymp	byte	%15.0g	LABB	accepted sympathy and understanding from friends who had the same problem?
cssleep	byte	%15.0g	LABB	slept more than usual?
csfantsy	byte	%15.0g	LABB	fantasized about how things could have been different?
csidnovl	byte	%15.0g	LABB	identified with characters in novels or movies?
cssolvpr	byte	%15.0g	LABB	tried to solve the problem?
cslvbe	byte	%15.0g	LABB	wished that people would just leave you alone?
csachelp	byte	%15.0g	LABB	accepted help from a friend or relative?
csreasur	byte	%15.0g	LABB	sought reassurance from those who know you best?
csplnact	byte	%15.0g	LABB	tried to carefully plan a course of action rather than acting on impulse?
psolv	byte	%8.0g		subscale i = "problem solving"
socsup	byte	%8.0g		subscale ii = "seeking social support"
avoid	byte	%8.0g		subscale iii = "avoidance"
hptired	byte	%12.0g	HPLabel	iím tired all the time
hppainit	byte	%12.0g	HPLabel	i have pain at night
hpgtdwn	byte	%12.0g	HPLabel	things are getting me down
hpunpain	byte	%12.0g	HPLabel	i have unbearable pain
hpslepil	byte	%12.0g	HPLabel	i take pills to help me sleep
hpnojoy	byte	%12.0g	HPLabel	iíve forgotten what itís like to enjoy myself
hponedge	byte	%12.0g	HPLabel	iím feeling on edge
hpcngpos	byte	%12.0g	HPLabel	i find it painful to change position
hplonely	byte	%12.0g	HPLabel	i feel lonely
hpwlkinr	byte	%12.0g	HPLabel	i can walk about only indoors
hpnobend	byte	%12.0g	HPLabel	i find it hard to bend
hpalefrt	byte	%12.0g	HPLabel	everything is an effort
hpwkgrly	byte	%12.0g	HPLabel	iím waking up in the early hours of the morning
hpnowlk	byte	%12.0g	HPLabel	iím unable to walk at all
hphrdcnt	byte	%12.0g	HPLabel	iím finding it hard to make contact with people
hpdaydrg	byte	%12.0g	HPLabel	the days seem to drag
hpstairs	byte	%12.0g	HPLabel	i have trouble getting up and down stairs and steps

hphrdrch	byte	%12.0g	HPLabel		**i find it hard to reach for things**
hpwlkpai	byte	%12.0g	HPLabel		**iím in pain when i walk**
hptemper	byte	%12.0g	HPLabel		**i lose my temper easily these days**
hpnoclse	byte	%12.0g	HPLabel		**i feel like there is nobody that i am close to**
hpawake	byte	%12.0g	HPLabel		**i lie awake for most of the night**
hplocntr	byte	%12.0g	HPLabel		**i feel as if iím losing control**
hpstdpai	byte	%12.0g	HPLabel		**iím in pain when iím standing**
hphardre	byte	%12.0g	HPLabel		**i find it hard to get dressed by myself**
hpnoergy	byte	%12.0g	HPLabel		**i soon run out of energy**
hphrdstd	byte	%12.0g	HPLabel		**i find it hard to stand for long (e.g. at the kitchen sink, waiting in line)**
hpconpai	byte	%12.0g	HPLabel		**iím in constant pain.**
hplgslee	byte	%12.0g	HPLabel		**it takes me a long time to get to sleep.**
hpburden	byte	%12.0g	HPLabel		**i feel i am a burden to people.**
hpwryawk	byte	%12.0g	HPLabel		**worry is keeping me awake at night.**
hpnolive	byte	%12.0g	HPLabel		**i feel that life is not worth living.**
hpbadslp	byte	%12.0g	HPLabel		**i sleep badly at night.**
hpgtalng	byte	%12.0g	HPLabel		**iím finding it hard to get along with people.**
hphlpwlk	byte	%12.0g	HPLabel		**i need help to walk about outside (e.g. a walking aid or someone to support me).**
hpstrspn	byte	%12.0g	HPLabel		**iím in pain when going up or down stairs.**
hpamdprs	byte	%12.0g	HPLabel		**i wake up feeling depressed**
hpsitpai	byte	%12.0g	HPLabel		**iím in pain when iím sitting.**
enlev	double	%9.0g			**energy level (el)**
pain	double	%9.0g			**pain (p)**
emreac	double	%9.0g			**emotional reaction (er)**
sleep	double	%9.0g			**sleep (s)**
socisol	double	%9.0g			**social isolation (si)**
phabil	double	%9.0g			**physical abilities (pa)**
hpprbwk	byte	%12.0g	HPLabel		**health causes problems at work**
hpprbcln	byte	%12.0g	HPLabel	*	**health causes problems taking care of home**
hpprobsc	byte	%12.0g	HPLabel		**health causing problems with social life**
hpprobho	byte	%12.0g	HPLabel		**health causing problems with home life**
hpprosex	byte	%12.0g	HPLabel		**health cauing problems with sex**

					life
hpproint	byte	%12.0g	HPLabel		**health causing problems with interests and hobbies**
hpprovac	byte	%12.0g	HPLabel		**health causing problems with vacations**
hthprof	byte	%8.0g			**health profile subscale**
ffriend	byte	%18.0g	LABD	*	**before the chornobyl event in 1986 i had more close friends than i have now.**
fchorn	byte	%18.0g	LABD	*	**if something happens that reminds me of chornobyl. i become very distressed and**
fguilt	byte	%18.0g	LABD		**i feel guilty over things i did around the time of chornobyl**
fpush	byte	%18.0g	LABD	*	**since the event i find that if someone pushes me too far, i am likely to become**
fnight	byte	%18.0g	LABD		**i have nightmares about chornobyl.**
fdead	byte	%18.0g	LABD	*	**when i think of some of the things i did at the time of chornobyl i wish i were**
fnofeel	byte	%18.0g	LABD		**since chornobyl, it seems as if i have no feelings.**
flived	byte	%18.0g	LABD		**i wonder why i lived when others died.**
fsituat	byte	%18.0g	LABD		**being in certain situations makes me feel as though i am back in the event.**
flaugh	byte	%18.0g	LABD	*	**since chornobyl it seems that i do not laugh or cry about the same things that**
fnoise	byte	%18.0g	LABD		**since chornobyl unexpected noises make me jump.**
falcoh	byte	%18.0g	LABD	*	**i have used alcohol or other drugs to help me sleep or to make me forget the eve**
fafraid	byte	%18.0g	LABD		**since chornobyl i have been afraid to sleep at night**
fstayaw	byte	%18.0g	LABD	*	**i try to stay away from anything that will remind me of things which happened du**
fremem	byte	%18.0g	LABD		**i have difficulty remembering some things which happened during the event.**
fanxio	byte	%18.0g	LABD		**if something happens that reminds me of chornobyl, i get anxious and panicky.**
fremind	byte	%18.0g	LABD		**things i see or hear often**

				remind me of the chornobyl event.
fdontth	byte	%18.0g	LABD	i often think about the event even when i donít mean to.
femot	byte	%18.0g	LABD	i am able to get emotionally close to others.
fkill	byte	%18.0g	LABD	lately i have felt like killing myself.
fasleep	byte	%18.0g	LABD	i fall asleep stay asleep and awaken only when the alarm goes off.
fdream	byte	%18.0g	LABD	* my dreams are so real that i awaken in a cold sweat and force myself to stay awa
fgoon	byte	%18.0g	LABD	i feel like i cannot go on.
fenjoy	byte	%18.0g	LABD	i still enjoy doing many things that i used to enjoy.
fconcen	byte	%18.0g	LABD	i have trouble concentrating on tasks.
fcomp	byte	%18.0g	LABD	i enjoy the company of others.
ffallas	byte	%18.0g	LABD	i fall asleep easily at night.
funder	byte	%18.0g	LABD	no one understands how i feel, not even my family.
fcool	byte	%18.0g	LABD	lately, i lose my cool and explode of minor everyday things.
falert	byte	%18.0g	LABD	i feel alert and on guard much of the time.
instsym	byte	%8.0g		intrusion symptom score
avoisym	byte	%8.0g		avoidance symptom score
aroussym	byte	%8.0g		arousal symptom score
suicsym	byte	%8.0g		suicidal/guilt score
bsnerv	byte	%20.0g	LABE	nervousness or shakiness inside
bsfaint	byte	%20.0g	LABE	faintness or dizziness
bsidea	byte	%20.0g	LABE	the idea that someone else can control your thoughts
bsothers	byte	%20.0g	LABE	feeling others are to blame for most of your troubles
bsnomem	byte	%20.0g	LABE	trouble remembering things
bsannoy	byte	%20.0g	LABE	feeling easily annoyed or irritated
bspain	byte	%20.0g	LABE	pains in the heart or chest
bsafraid	byte	%20.0g	LABE	feeling afraid in open spaces
bsendlif	byte	%20.0g	LABE	thoughts of ending your life
bstrust	byte	%20.0g	LABE	feeling that most people cannot be trusted
bseat	byte	%20.0g	LABE	poor appetite
bsscared	byte	%20.0g	LABE	suddenly scared for no reason
bstemper	byte	%20.0g	LABE	temper outbursts that you could

				not control
bslonely	byte	%20.0g	LABE	**feeling lonely even when you are with people**
bsblock	byte	%20.0g	LABE	**feeling blocked in getting things done**
bsalone	byte	%20.0g	LABE	**feeling lonely**
bsblue	byte	%20.0g	LABE	**feeling blue**
bsnoint	byte	%20.0g	LABE	**feeling no interest in things**
bsfear	byte	%20.0g	LABE	**feeling fearful**
bshurt	byte	%20.0g	LABE	**your feelings being easily hurt**
bsnofrd	byte	%20.0g	LABE	**feeling that people are unfriendly or dislike you**
bsinf	byte	%20.0g	LABE	**feeling inferior to others**
bsnausea	byte	%20.0g	LABE	**nausea or upset stomach**
bswatch	byte	%20.0g	LABE	**feeling that you are watched or talked about by others**
bsnoslp	byte	%20.0g	LABE	**trouble falling asleep**
bscheck	byte	%20.0g	LABE	**having to check and double-check what you do**
bsnodec	byte	%20.0g	LABE	**difficulty making decisions**
bsnotrav	byte	%20.0g	LABE	**feeling afraid to travel on buses,undergrounds or trains**
bsnobrth	byte	%20.0g	LABE	**trouble getting your breath**
bshtcold	byte	%20.0g	LABE	**hot or cold spells**
bsavoid	byte	%20.0g	LABE	**having to avoid certain things, places, or activities because they frighten you**
bsblank	byte	%20.0g	LABE	**your mind going blank**
bsnumb	byte	%20.0g	LABE	**numbness or tingling in parts of your body**
bspunish	byte	%20.0g	LABE	**the idea that you should be punished for your sins**
bshoples	byte	%20.0g	LABE	**feeling hopeless about the future**
bsnothk	byte	%20.0g	LABE	**trouble concentrating**
bsweak	byte	%20.0g	LABE	**feeling weak in parts of your body**
bstense	byte	%20.0g	LABE	**feeling tense or keyed up**
bsdeath	byte	%20.0g	LABE	**thoughts of death or dying**
bsbeat	byte	%20.0g	LABE	**having urges to beat, injure or harm someone**
bsbreak	byte	%20.0g	LABE	**having urges to break or smash things**
bsconsc	byte	%20.0g	LABE	**feeling very self-conscious with others**
bsuneasy	byte	%20.0g	LABE	**feeling uneasy in crowds**
bsnoclse	byte	%20.0g	LABE	**never feeling close to another person**
bspanic	byte	%20.0g	LABE	**spells of terror or panic**

bsargue	byte	%20.0g	LABE	**getting into frequent arguments**
bsnerv_a	byte	%20.0g	LABE	**feeling nervous when you are left alone**
bscredit	byte	%20.0g	LABE	**others not giving you proper credit for your achievements**
bsnosit	byte	%20.0g	LABE	**feeling so restless you couldnít sit still**
bsworth	byte	%20.0g	LABE	**feelings of worthlessness**
bsadvan	byte	%20.0g	LABE	**feeling that people will take advantage of you if you let them**
bsguilt	byte	%20.0g	LABE	**feeling of guilt**
bswrong	byte	%20.0g	LABE	**the idea that something is wrong with your mind**
possym	int	%8.0g		**positive symptom total**
somatiz	byte	%8.0g		**somatization**
obsess	byte	%8.0g		**obsession-compulsion**
interper	byte	%8.0g		**interpersonal sensitivity**
depress	byte	%8.0g		**depression**
anxiety	byte	%8.0g		**anxiety**
hostilit	byte	%8.0g		**hostility**
phobanx	byte	%8.0g		**phobic anxiety**
paran	byte	%8.0g		**paranoid ideation**
psychot	byte	%8.0g		**psychoticism**
globseve	double	%9.0g		**global severity**
CSprbslv	byte	%9.0g		**Coping Problem Solving Subscale**
CSsocspt	byte	%9.0g		**Coping social support subscale**
CSavoid	byte	%9.0g		**Coping Avoidance subscale**
WHP1el	double	%9.0g		
WHP2p	double	%9.0g		
WHP3er	double	%9.0g		
WHP4p	double	%9.0g		
WHP5s	double	%9.0g		
WHP6er	double	%9.0g		
WHP7er	double	%9.0g		
WHP8p	double	%9.0g		
WHP9si	double	%9.0g		
WHP10pa	double	%9.0g		
WHP11pa	double	%9.0g		
WHP12el	double	%9.0g		
WHP13s	double	%9.0g		
WHP14pa	double	%9.0g		
WHP15si	double	%9.0g		
WHP16er	double	%9.0g		
WHP17pa	double	%9.0g		
WHP18pa	double	%9.0g		
WHP19p	double	%9.0g		
WHP20er	double	%9.0g		
WHP21si	double	%9.0g		

WHP22s	double	%9.0g		
WHP23er	double	%9.0g		
WHP24p	double	%9.0g		
WHP25pa	double	%9.0g		
WHP26el	byte	%9.0g		
WHP27pa	double	%9.0g		
WHP28ps	double	%9.0g		
WHP29s	double	%9.0g		
WHP30si	double	%9.0g		
WHP31er	double	%9.0g		
WHP32er	double	%9.0g		
WHP33s	double	%9.0g		
WHP34si	double	%9.0g		
WHP35pa	double	%9.0g		
WHP36p	double	%9.0g		
WHP37er	double	%9.0g		
WHP38p	double	%9.0g		
whp23er	double	%9.0g		
WHPel	double	%9.0g		**Wtd Health Profile Pt 1 Energy Level Subscale**
WHPpain	double	%9.0g		**Wtd Health Profile Pain Pt 1 subscale**
WHPer	double	%9.0g		**Wtd Health Profile Emotional reaction Pt 1 subscale**
WHPsleep	double	%9.0g		**Wtd Health Profile Sleep Pt 1 subscale**
WHPsociso	double	%9.0g		**Wtd Health Profile Social Isolation Pt 1 subscale**
WHPpa	double	%9.0g		**Wtd Health Profile Physical Ability Pt 1 Subscale**
HP2work	byte	%9.0g	hp2fmt	**Nottingham Health profile subscale Part2: paid employment**
HP2hmcare	byte	%9.0g	hp2fmt	**Hlth profile Pt2: Home cleaning, cooking and repairs**
HP2probsoc	byte	%9.0g	hp2fmt	**Hlth profile Pt2: Hlth causing probs with social life**
HP2pbfhm	byte	%9.0g	hp2fmt	**Hlth profile Pt2: Hlth causing probs with family members at home**
HP2sxlife	byte	%9.0g	hp2fmt	**Hlth profile Pt2: Hlth causing probs with sex life**
HP2inthob	byte	%9.0g	hp2fmt	**Hlth profile Pt2: Hlth probs interfering with interests & hobbies**
HP2vacatn	byte	%9.0g	hp2fmt	**Hlth profile Pt2: Hlth probs interfering with vacations**
BSItotal	int	%9.0g		**Basic symptom inventory total scale score**

lBSItotal	double	%9.0g		**Ln(bsItotal)**
BSIposymp	int	%9.0g		**Brief Symptom inventory positive symptom total subscale**
BSIglobsi	double	%9.0g		**Brief Symptom Inventory Global Severity (mean) Index**
BSIsoma	byte	%9.0g		**Basic symptom inventory obsessive compulsive subscale**
BSIoc	byte	%9.0g		**Basic Symptom Inventory Obsessive compulsive subscale**
BSIips	byte	%9.0g		**Basic symptom invenstory interpersonal sensitivity subscale**
BSIdep	byte	%9.0g		**Basic symptom inventory Depression subscale**
BSIanx	byte	%9.0g		**Basic symptom inventory Anxiety subscale**
BSIphanx	byte	%9.0g		**Basic symptom inventory phobic anxiety subscale**
BSIhos	byte	%9.0g		**Basic symptom invenstory hostility subscale**
BSIpar	byte	%9.0g		**Basic symptom invenstory Paranoia subscale**
BSIpsyc	byte	%9.0g		**Basic symptom inventory Psychoticism subscale score**
testage1	double	%9.0g		
yrageck	double	%9.0g		
iday	byte	%9.0g		
idates	str10	%10s		
idate	int	%d		**Stata date of interview**
bday	byte	%9.0g		
bdates	str10	%10s		**String birthdate**
bdate	long	%d		**Stata birthdate of respondent**
moage	int	%9.0g		**Age of respondent in months**
yrage	double	%9.0g		**Computed age of respondent**
agerr	double	%9.0g		**Error in age recording?**
fenjoyr	byte	%15.0g	fnjr	**I no longer enjoy many of the things I used to enjoy (reversal of fenjoy)**
fallasr	byte	%15.0g	fnjr	**I do not fall alseep easily at night (reversal of ffallas)**
MiPTSD	byte	%9.0g		**Misssissipi post-traumatic stress disorder scale**
apprxage	int	%9.0g		
iyr	int	%9.0g		**Interview year**
byr	int	%9.0g		**Birth year**
bmo	byte	%9.0g		**Birth month**
imo	byte	%9.0g		**Interview month**
agemoadj	byte	%9.0g		**Adjustment to age in months**
pos	byte	%9.0g		**indicator function**

neg	byte	%9.0g		**indicator function**
agemo	int	%9.0g		**age in months**
ageyrs	double	%9.0g		**computed age of respondent in years**
mincumdosew1	double	%8.0g		**wave 1 avg minimum dose of CS137 in mGy ending 12/31/1986**
avgcumdosew1	double	%8.0g		**wave 1 avg mean CS137 dose in mGy ending 12/31/1986**
maxcumdosew1	double	%8.0g		**wave2 avg CS137 maximum dose ending 12/31/1986**
mincumdosew2	double	%8.0g		**Wave 2 average minimum CS137 dose in mGy ending 12/31/1996**
avgcumdosew2	double	%8.0g		**Average mean dose CS1337 in mGy for wave 2**
maxcumdosew2	double	%8.0g		**Avg Max dose in mGY for wave 2**
mincumdosew3	double	%8.0g		**Wave 3 avg minimum dose of CS137 ending in 12/31/2009**
avgcumdosew3	double	%8.0g		**Avg Mean dose of CS137 ending 12/31/2009**
maxcumdosew3	double	%8.0g		**Average maximum dose of CS137 ending in 12/31/2009 in mGy**
reporttype	str45	%45s		**Report type:**
threewavepane~s	str32	%32s		**Three-wave panel, cumulative doses**
wave1summary	str10	%10s		**Three-wave panel, cumulative doses**
wave2summary	str10	%10s		
wave3summary	str10	%10s		
ranown2	byte	%27.0g	ranown	**Current raion of residence**
townnown	byte	%27.0g	townnown	**Current town of residence**
totltele	long	%9.0g		**Total number of landline phones per raion**
area	byte	%22.0g	ar	**Basis of sampling weights**
areacodewt	int	%9.0g		**Basis of sampling weight**
combined	byte	%24.0g	combi	**Was this area combined with another to form final sampling weight?**
oblnown	byte	%8.0g	oblnown	**Current Oblast of residence**
numresp	int	%9.0g		**Number of respondents per area**
c	byte	%9.0g		**Constant of unity for subsample computation of cases per area**
areaRespid	int	%9.0g		**Number of respondents in sample per areacode**
raionwt	double	%9.0g		**inverse of sampling wt per raion**
totalphones	long	%9.0g		**Totoal number of phones in Kyiv and Zhitomyr Oblast**
sampwt	double	%9.0g		**Sampling weight**
fpc1	double	%9.0g		**Finite population correction**
cptsd	double	%9.0g		**Mean centered PTSD score**

cbdep	double	%9.0g		**Mean centered BSI depression score**
cpxd	double	%9.0g		**Mean centered interaction between PTSD and BSI Depression**
pxd	int	%9.0g		**Interaction between PTSD and BSI depression**
genwt	int	%9.0g		**Post-stratification gender proportion correction factor**
agesq	int	%9.0g		
male	byte	%9.0g		
mar0w3	byte	%9.0g		**Married code 0 in wave 3**
emplw35	byte	%8.0g		**emplw3==5. unemployed**
occ1w3	byte	%15.0g	LABJ	**professional executive administration now**
occ2w3	byte	%15.0g	LABJ	**technical sales admin support now**
occ3w3	byte	%15.0g	LABJ	**service occup protective services now**
occ4w3	byte	%15.0g	LABJ	**precision prod mechan craft construction now**
occ5w3	byte	%15.0g	LABJ	**factory laborer machinist transp cleaner now**
occ6w3	byte	%15.0g	LABJ	**farming agricul forestry fishing trapping logging now**
occ7w3	byte	%15.0g	LABJ	**homemaking or caregiving now**
occ8w3	byte	%15.0g	LABJ	**student now**
inc1w3	byte	%15.0g	LABJ	**Income is not sufficient for basic neccessities NOW**
inc2w3	byte	%15.0g	LABJ	**Income is just sufficient for basic neccessities NOW**
inc3w3	byte	%15.0g	LABJ	**Income is sufficient for basics plus extra purchases/savings NOW**
inc4w3	byte	%15.0g	LABJ	**Income allows to comfortably afford luxury items NOW**
radhlw3	byte	%8.0g		**Self-perceived Chornobyl health threat in wave 3**
radchw3	byte	%8.0g		**believed % of polution related to chornobyl NOW**
radtlw3	byte	%8.0g		**believed % of cumulative radiation exposed to in a lifetime NOW**
havmil	double	%9.0g		**Distance from Chornobyl in miles**

```
363 .
364 . des bfffpain2-bfffpain34
```

variable name	storage type	display format	value label	variable label
bfffpain2	float	%9.0g		**max(0, 23 - BSIsoma)**
bfffpain3	float	%9.0g		**max(0, hospw3 - 1.57823e-007)**
bfffpain4	float	%9.0g		**max(0, occ3w2 + 2.13147e-009)**
bfffpain5	float	%9.0g		**max(0, shhlw1 -30)**
bfffpain6	float	%9.0g		**max(0, 30-shhlw1)**
bfffpain7	float	%9.0g		**max(0, inc1w3 - 7.3627e-009) * bfffpain5**
bfffpain8	float	%9.0g		**max(0, BSIsoma - 13)**
bfffpain9	float	%9.0g		**max(0, 13-BSIsoma)**
bfffpain11	float	%9.0g		**max(0, 80- radw2)*bfffpain8 female pain series**
bfffpain12	float	%9.0g		**max(0, physdisagw3 - 10) * bfffpain9**
bfffpain13	float	%9.0g		**max(0, 10 - physdisagw3) * bfffpain9**
bfffpain14	float	%9.0g		**max(0, havmil - 112.275) * bfffpain11**
bfffpain15	float	%9.0g		**max(0, 112.275 - havmil) * bfffpain11**
bfffpain16	float	%9.0g		**max(0, painmedspw3 - 4.33161e-008) * bfffpain3**
bfffpain17	float	%9.0g		**max(0, defnw2 - 90)* bfffpain4**
bfffpain19	float	%9.0g		**(CSprbslv != .) * bfffpain15**
bfffpain21	float	%9.0g		**max(0, CSprbslv - 29) * bfffpain19**
bfffpain22	float	%9.0g		**max(0, 29-CSprbslv)*bfffpain19**
bfffpain23	float	%9.0g		**max(0, shrelaw1 - 10)*bfffpain16**
bfffpain24	float	%9.0g		**max(0, 10-shrelaw1)*bfffpain16**
bfffpain25	float	%9.0g		**max(0, suchrw2 - 2.24572e-006) * bfffpain23**
bfffpain26	float	%9.0g		**max(0, neiw3 - 80) * bfffpain24**
bfffpain27	float	%9.0g		**max((0, 80 - neiw3) * bfffpain24)**
bfffpain28	float	%9.0g		**max(0, age - 28)*bfffpain22**
bfffpain29	float	%9.0g		**(medcow3 != .)* bfffpain4**
bfffpain32	float	%9.0g		**max(0, 3- medcow3) * bfffpain29**
bfffpain33	float	%9.0g		**max(0, PTSDw3 + 3.81914e-008) * bfffpain32**
bfffpain34	float	%9.0g		**max(0, occ4w3 - 9.59584e-010) * bfffpain3**

```
365 .
366 . local bfw3 bfffpain3 bfffpain7 bfffpain8 bfffpain9 bfffpain12 bfffpain13 ///
    >     bfffpain14 bfffpain15 bfffpain16 bfffpain19 bfffpain21 bfffpain22 ///
    >     bfffpain26 bfffpain27 bfffpain28 bfffpain29 bfffpain32 bfffpain33 ///
    >     bfffpain34

367 .
368 . regress WHPpain age educ2-educ5 marrw31-marrw33 marrw35 childw3 ///
    >   emplw32-emplw34 occ1w3-occ7w3  inc1w3-inc4w3 radhlw3 radchw3 ///
    >   radtlw3 havmil `bfw3' avgcumdosew3 if gender==2
```

Source	SS	df	MS		
Model	123596.047	48	2574.91764	Number of obs =	363
Residual	56850.8169	314	181.053557	F(48, 314) =	14.22
				Prob > F =	0.0000
				R-squared =	0.6849
				Adj R-squared =	0.6368
Total	180446.864	362	498.471999	Root MSE =	13.456

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.2006054	.0917017	2.19	0.029	.0201779	.3810328
educ2	5.494481	3.342786	1.64	0.101	-1.08261	12.07157
educ3	2.362242	1.849475	1.28	0.202	-1.276688	6.001172
educ4	6.430872	3.272176	1.97	0.050	-.0072898	12.86903
educ5	-.0601994	2.470084	-0.02	0.981	-4.920208	4.799809
marrw31	.9661121	3.776446	0.26	0.798	-6.464226	8.39645
marrw32	6.891136	5.431863	1.27	0.206	-3.796314	17.57859
marrw33	4.136903	2.3186	1.78	0.075	-.4250522	8.698858
marrw35	2.383149	3.426536	0.70	0.487	-4.358724	9.125021
childw3	.7731541	1.018331	0.76	0.448	-1.230461	2.776769
emplw32	3.993512	3.089506	1.29	0.197	-2.085238	10.07226
emplw33	-9.480445	13.88675	-0.68	0.495	-36.80329	17.8424
emplw34	.9752595	2.919222	0.33	0.739	-4.76845	6.718969
occ1w3	1.291223	8.27058	0.16	0.876	-14.98154	17.56398
occ2w3	5.718883	8.430373	0.68	0.498	-10.86828	22.30604
occ3w3	.7321127	8.585602	0.09	0.932	-16.16047	17.62469
occ4w3	2.02377	10.19934	0.20	0.843	-18.04392	22.09146
occ5w3	9.94796	10.33796	0.96	0.337	-10.39246	30.28838
occ6w3	3.377447	10.62451	0.32	0.751	-17.52678	24.28168
occ7w3	4.876505	8.158436	0.60	0.550	-11.17561	20.92862
inc1w3	2.920362	8.28312	0.35	0.725	-13.37707	19.2178
inc2w3	.1141018	8.259248	0.01	0.989	-16.13636	16.36457
inc3w3	2.257666	8.305028	0.27	0.786	-14.08287	18.59821
inc4w3	7.78157	9.903408	0.79	0.433	-11.70386	27.267
radhlw3	.023925	.0269048	0.89	0.375	-.0290115	.0768615
radchw3	-.0242718	.0302821	-0.80	0.423	-.0838532	.0353096
radtlw3	.0116754	.0314295	0.37	0.711	-.0501636	.0735145
havmil	.0000935	.003283	0.03	0.977	-.0063659	.0065529

bfffpain3	.1497724	.0469435	3.19	0.002	.0574088	.242136
bfffpain7	.0617725	.0711855	0.87	0.386	-.0782884	.2018333
bfffpain8	1.952158	.2873146	6.79	0.000	1.386853	2.517463
bfffpain9	-2.025335	.7644603	-2.65	0.008	-3.529448	-.5212232
bfffpain12	.1256196	.0312869	4.02	0.000	.0640612	.1871781
bfffpain13	.1062601	.0767323	1.38	0.167	-.0447144	.2572346
bfffpain14	-.0001855	.0000999	-1.86	0.064	-.0003822	.0000111
bfffpain15	-.0005183	.0006577	-0.79	0.431	-.0018123	.0007757
bfffpain16	.0696623	.0111717	6.24	0.000	.0476814	.0916432
bfffpain19	.0006123	.0006605	0.93	0.355	-.0006872	.0019118
bfffpain21	-.0002321	.0000878	-2.64	0.009	-.000405	-.0000593
bfffpain22	-.000139	.0000449	-3.09	0.002	-.0002274	-.0000506
bfffpain26	-.0006823	.0001653	-4.13	0.000	-.0010075	-.0003571
bfffpain27	-.0001094	.0000308	-3.55	0.000	-.00017	-.0000488
bfffpain28	4.61e-06	1.36e-06	3.39	0.001	1.93e-06	7.28e-06
bfffpain29	21.39832	3.513454	6.09	0.000	14.48543	28.3112
bfffpain32	-11.2944	2.297041	-4.92	0.000	-15.81394	-6.774864
bfffpain33	.6058237	.1431503	4.23	0.000	.3241686	.8874788
bfffpain34	3.910537	1.107396	3.53	0.000	1.731681	6.089392
avgcumdosew3	-.1862173	.4308872	-0.43	0.666	-1.034008	.6615737
_cons	-10.98974	6.183161	-1.78	0.076	-23.1554	1.175929

```
369 .
370 . scalar fw3 = e(r2_a)

371 . scalar list fw3
          fw3 =  .63678289

372 .
373 .
374 . *---- Wave 3 analysis of Female Pain Model begins here
375 . scalar wv = 3

376 .
377 . matrix define H1p1FPnDosew3 = J(1,12,0)
```

```
378 . matrix  colnames H1p1FPnDosew3 = hypnum ptnum wv dsigfw3 dsigtw3 numMainEffs
    > igFw3 numMainEffsigTw3 numModFw3 numModTw3 numbfsigfw3 numbfsigtw3 numMedw3

379 . matrix  rownames H1p1FPnDosew3 = wave3

380 . matlist H1p1FPnDosew3

                 |    hypnum      ptnum         wv    dsigfw3    dsigtw3  numMain~
    > 3  numMain~3  numModFw3  numModTw3  numbfsi~3  numbfsi~3   numMedw3
    -------------+-----------------------------------------------------------------
    > ---------------------------------------------------------------------
           wave3 |         0          0          0          0          0
    > 0          0          0          0          0          0          0

381 .
382 .
383 . // wave 3 trimmed model of possible socio-demog covariates Female model
384 .
385 . sw, pr(.05):  regress WHPpain age educ2-educ6 marrw31-marrw33   ///
    >   emplw31-emplw33 occ2w3-occ7w3 inc1w3-inc4w3 if gender==2
                          begin with full model
    p = 0.9713 >= 0.0500  removing occ2w3
    p = 0.9137 >= 0.0500  removing marrw32
    p = 0.8685 >= 0.0500  removing inc4w3
    p = 0.5880 >= 0.0500  removing marrw33
    p = 0.5690 >= 0.0500  removing educ6
    p = 0.6908 >= 0.0500  removing educ5
    p = 0.5060 >= 0.0500  removing occ5w3
    p = 0.4918 >= 0.0500  removing occ6w3
    p = 0.5657 >= 0.0500  removing occ7w3
    p = 0.5853 >= 0.0500  removing inc3w3
    p = 0.5702 >= 0.0500  removing inc2w3
    p = 0.3641 >= 0.0500  removing emplw33
    p = 0.1990 >= 0.0500  removing marrw31
    p = 0.1472 >= 0.0500  removing educ4
    p = 0.1336 >= 0.0500  removing occ4w3
    p = 0.0806 >= 0.0500  removing emplw32

          Source |       SS       df       MS              Number of obs =     363
    -------------+------------------------------           F(  6,   356) =   22.78
           Model |  50066.6565     6  8344.44274           Prob > F      =  0.0000
        Residual |  130380.207   356  366.236537           R-squared     =  0.2775
    -------------+------------------------------           Adj R-squared =  0.2653
           Total |  180446.864   362  498.471999           Root MSE      =  19.137
```

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.4706093	.0969939	4.85	0.000	.2798563	.6613622
educ2	14.20595	4.163728	3.41	0.001	6.01735	22.39454
educ3	8.151648	2.203084	3.70	0.000	3.818952	12.48434
inc1w3	9.415547	2.954792	3.19	0.002	3.604506	15.22659
emplw31	-7.813308	2.359417	-3.31	0.001	-12.45345	-3.173161
occ3w3	8.230145	2.99349	2.75	0.006	2.342997	14.11729
_cons	-7.602792	5.600411	-1.36	0.175	-18.61684	3.411256

```
386 .
387 . regress  WHPpain age educ2-educ6 marrw31-marrw33 childw3 emplw31-emplw33 ///
>     occ2w3-occ7w3 inc1w3-inc4w3 if gender==2
```

Source	SS	df	MS		
Model	54651.0839	23	2376.13408	Number of obs	= 363
Residual	125795.78	339	371.078996	F(23, 339)	= 6.40
				Prob > F	= 0.0000
				R-squared	= 0.3029
				Adj R-squared	= 0.2556
Total	180446.864	362	498.471999	Root MSE	= 19.263

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.4233455	.1087843	3.89	0.000	.2093681	.6373228
educ2	21.0477	11.9392	1.76	0.079	-2.436535	44.53194
educ3	14.86978	11.50207	1.29	0.197	-7.754647	37.4942
educ4	12.59416	12.0971	1.04	0.299	-11.20068	36.389
educ5	7.20278	11.75181	0.61	0.540	-15.91288	30.31844
educ6	6.085086	11.50532	0.53	0.597	-16.54572	28.71589
marrw31	-3.695833	4.916956	-0.75	0.453	-13.36742	5.975753
marrw32	.8652572	7.425219	0.12	0.907	-13.74005	15.47056
marrw33	1.438733	2.655396	0.54	0.588	-3.784396	6.661862
childw3	.2103258	1.423915	0.15	0.883	-2.590497	3.011148
emplw31	-13.11047	4.393544	-2.98	0.003	-21.75251	-4.468429
emplw32	-11.86875	5.971444	-1.99	0.048	-23.6145	-.1230011
emplw33	-17.51444	19.51785	-0.90	0.370	-55.90579	20.87691
occ2w3	.1804649	3.750138	0.05	0.962	-7.196006	7.556936
occ3w3	8.8419	3.429049	2.58	0.010	2.097007	15.58679
occ4w3	8.909369	7.174911	1.24	0.215	-5.203584	23.02232
occ5w3	6.076838	8.960089	0.68	0.498	-11.54754	23.70121
occ6w3	-7.470378	10.13457	-0.74	0.462	-27.40494	12.46419
occ7w3	-3.623437	5.017856	-0.72	0.471	-13.49349	6.246618
inc1w3	11.46277	4.675369	2.45	0.015	2.266383	20.65916
inc2w3	3.88641	3.944736	0.99	0.325	-3.872832	11.64565
inc3w3	2.851424	3.984069	0.72	0.475	-4.985186	10.68803
inc4w3	1.440325	8.286438	0.17	0.862	-14.85899	17.73964

```
       _cons |   -11.2266   14.12943    -0.79   0.427    -39.01899    16.56579
------------------------------------------------------------------------------

388 .
389 .
390 .  local bfw3 bfffpain3 bfffpain7 bfffpain8 bfffpain9 bfffpain12 bfffpain13 //
    > /
    >     bfffpain14 bfffpain15 bfffpain16 bfffpain19 bfffpain21 bfffpain22 ///
    >     bfffpain26 bfffpain27 bfffpain28 bfffpain29 bfffpain32 bfffpain33 ///
    >     bfffpain34

391 . regress WHPpain age educ2-educ5 marrw31-marrw33 marrw35 childw3 ///
    >   emplw32-emplw34 occ1w3-occ7w3  inc1w3-inc4w3 radhlw3 radchw3 ///
    >   radtlw3 havmil `bfw3' avgcumdosew3 if gender==2

      Source |       SS       df       MS              Number of obs =     363
-------------+------------------------------           F( 48,   314) =   14.22
       Model |  123596.047     48  2574.91764           Prob > F      =  0.0000
    Residual |  56850.8169    314  181.053557           R-squared     =  0.6849
-------------+------------------------------           Adj R-squared =  0.6368
       Total |  180446.864    362  498.471999           Root MSE      =  13.456

------------------------------------------------------------------------------
     WHPpain |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
         age |   .2006054   .0917017     2.19   0.029     .0201779    .3810328
       educ2 |   5.494481   3.342786     1.64   0.101     -1.08261    12.07157
       educ3 |   2.362242   1.849475     1.28   0.202    -1.276688    6.001172
       educ4 |   6.430872   3.272176     1.97   0.050    -.0072898    12.86903
       educ5 |  -.0601994   2.470084    -0.02   0.981    -4.920208    4.799809
     marrw31 |   .9661121   3.776446     0.26   0.798    -6.464226     8.39645
     marrw32 |   6.891136   5.431863     1.27   0.206    -3.796314    17.57859
     marrw33 |   4.136903     2.3186     1.78   0.075    -.4250522    8.698858
     marrw35 |   2.383149   3.426536     0.70   0.487    -4.358724    9.125021
     childw3 |   .7731541   1.018331     0.76   0.448    -1.230461    2.776769
     emplw32 |   3.993512   3.089506     1.29   0.197    -2.085238    10.07226
     emplw33 |  -9.480445   13.88675    -0.68   0.495    -36.80329     17.8424
     emplw34 |   .9752595   2.919222     0.33   0.739     -4.76845    6.718969
      occ1w3 |   1.291223    8.27058     0.16   0.876    -14.98154    17.56398
      occ2w3 |   5.718883   8.430373     0.68   0.498    -10.86828    22.30604
      occ3w3 |   .7321127   8.585602     0.09   0.932    -16.16047    17.62469
      occ4w3 |    2.02377   10.19934     0.20   0.843    -18.04392    22.09146
      occ5w3 |    9.94796   10.33796     0.96   0.337    -10.39246    30.28838
      occ6w3 |   3.377447   10.62451     0.32   0.751    -17.52678    24.28168
      occ7w3 |   4.876505   8.158436     0.60   0.550    -11.17561    20.92862
      inc1w3 |   2.920362    8.28312     0.35   0.725    -13.37707     19.2178
      inc2w3 |   .1141018   8.259248     0.01   0.989    -16.13636    16.36457
      inc3w3 |   2.257666   8.305028     0.27   0.786    -14.08287    18.59821
      inc4w3 |    7.78157   9.903408     0.79   0.433    -11.70386      27.267
```

radhlw3	.023925	.0269048	0.89	0.375	-.0290115	.0768615
radchw3	-.0242718	.0302821	-0.80	0.423	-.0838532	.0353096
radtlw3	.0116754	.0314295	0.37	0.711	-.0501636	.0735145
havmil	.0000935	.003283	0.03	0.977	-.0063659	.0065529
bfffpain3	.1497724	.0469435	3.19	0.002	.0574088	.242136
bfffpain7	.0617725	.0711855	0.87	0.386	-.0782884	.2018333
bfffpain8	1.952158	.2873146	6.79	0.000	1.386853	2.517463
bfffpain9	-2.025335	.7644603	-2.65	0.008	-3.529448	-.5212232
bfffpain12	.1256196	.0312869	4.02	0.000	.0640612	.1871781
bfffpain13	.1062601	.0767323	1.38	0.167	-.0447144	.2572346
bfffpain14	-.0001855	.0000999	-1.86	0.064	-.0003822	.0000111
bfffpain15	-.0005183	.0006577	-0.79	0.431	-.0018123	.0007757
bfffpain16	.0696623	.0111717	6.24	0.000	.0476814	.0916432
bfffpain19	.0006123	.0006605	0.93	0.355	-.0006872	.0019118
bfffpain21	-.0002321	.0000878	-2.64	0.009	-.000405	-.0000593
bfffpain22	-.000139	.0000449	-3.09	0.002	-.0002274	-.0000506
bfffpain26	-.0006823	.0001653	-4.13	0.000	-.0010075	-.0003571
bfffpain27	-.0001094	.0000308	-3.55	0.000	-.00017	-.0000488
bfffpain28	4.61e-06	1.36e-06	3.39	0.001	1.93e-06	7.28e-06
bfffpain29	21.39832	3.513454	6.09	0.000	14.48543	28.3112
bfffpain32	-11.2944	2.297041	-4.92	0.000	-15.81394	-6.774864
bfffpain33	.6058237	.1431503	4.23	0.000	.3241686	.8874788
bfffpain34	3.910537	1.107396	3.53	0.000	1.731681	6.089392
avgcumdosew3	-.1862173	.4308872	-0.43	0.666	-1.034008	.6615737
_cons	-10.98974	6.183161	-1.78	0.076	-23.1554	1.175929

```
392 .
393 . scalar numMainEffsigFw3 = 15

394 .
395 .  local bfw3 bfffpain3 bfffpain7 bfffpain8 bfffpain9 bfffpain12 bfffpain13 //
    > /
    >     bfffpain14 bfffpain15 bfffpain16 bfffpain19 bfffpain21 bfffpain22 ///
    >     bfffpain26 bfffpain27 bfffpain28 bfffpain29 bfffpain32 bfffpain33 ///
    >     bfffpain34
```

```
396 .
397 . sw, pr(.1): regress WHPpain age educ2-educ5 marrw31-marrw33 marrw35 childw3
    > ///
    >   emplw32-emplw34 occ1w3-occ7w3  inc1w3-inc4w3 radhlw3 radchw3 ///
    >   radtlw3 havmil `bfw3' avgcumdosew3 if gender==2
                          begin with full model
    p = 0.9890 >= 0.1000  removing inc2w3
    p = 0.9810 >= 0.1000  removing educ5
    p = 0.9761 >= 0.1000  removing havmil
    p = 0.8103 >= 0.1000  removing occ3w3
    p = 0.8033 >= 0.1000  removing marrw31
    p = 0.7761 >= 0.1000  removing occ4w3
    p = 0.7533 >= 0.1000  removing emplw34
    p = 0.7332 >= 0.1000  removing radtlw3
    p = 0.7141 >= 0.1000  removing occ1w3
    p = 0.7116 >= 0.1000  removing avgcumdosew3
    p = 0.6767 >= 0.1000  removing occ6w3
    p = 0.5258 >= 0.1000  removing marrw35
    p = 0.4754 >= 0.1000  removing radchw3
    p = 0.4823 >= 0.1000  removing emplw33
    p = 0.4197 >= 0.1000  removing radhlw3
    p = 0.3957 >= 0.1000  removing bfffpain15
    p = 0.3694 >= 0.1000  removing childw3
    p = 0.3363 >= 0.1000  removing bfffpain7
    p = 0.2505 >= 0.1000  removing marrw32
    p = 0.2339 >= 0.1000  removing occ5w3
    p = 0.2279 >= 0.1000  removing emplw32
    p = 0.2139 >= 0.1000  removing inc4w3
    p = 0.2034 >= 0.1000  removing bfffpain19
    p = 0.2184 >= 0.1000  removing marrw33
    p = 0.1739 >= 0.1000  removing educ3
    p = 0.2593 >= 0.1000  removing educ2
    p = 0.2043 >= 0.1000  removing inc3w3
    p = 0.1376 >= 0.1000  removing bfffpain13
    p = 0.1219 >= 0.1000  removing occ2w3
```

Source	SS	df	MS
Model	119447.094	19	6286.68914
Residual	60999.77	343	177.841895
Total	180446.864	362	498.471999

Number of obs	363
F(19, 343)	35.35
Prob > F	0.0000
R-squared	0.6620
Adj R-squared	0.6432
Root MSE	13.336

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.2248632	.0739994	3.04	0.003	.0793135	.3704128
bfffpain21	-.0002157	.0000804	-2.68	0.008	-.0003739	-.0000575
bfffpain26	-.0006886	.000159	-4.33	0.000	-.0010014	-.0003759
educ4	5.575233	2.94371	1.89	0.059	-.2147627	11.36523
bfffpain34	3.9392	.8949378	4.40	0.000	2.178944	5.699457
bfffpain29	21.43914	2.969073	7.22	0.000	15.59926	27.27902
bfffpain8	2.185328	.2376581	9.20	0.000	1.717877	2.652779
inc1w3	3.836476	2.224281	1.72	0.085	-.5384711	8.211424
bfffpain16	.071497	.0106485	6.71	0.000	.0505523	.0924416
bfffpain9	-1.046484	.3849206	-2.72	0.007	-1.803586	-.2893816
bfffpain33	.5703642	.1371641	4.16	0.000	.3005756	.8401528
bfffpain14	-.0001809	.0000892	-2.03	0.043	-.0003565	-5.41e-06
bfffpain27	-.0001107	.0000295	-3.75	0.000	-.0001688	-.0000527
bfffpain22	-.0001079	.0000396	-2.72	0.007	-.0001859	-.00003
occ7w3	3.295357	1.908815	1.73	0.085	-.4590993	7.049813
bfffpain32	-11.22556	2.168913	-5.18	0.000	-15.49161	-6.959517
bfffpain28	3.86e-06	1.24e-06	3.12	0.002	1.43e-06	6.30e-06
bfffpain3	.1324656	.0439322	3.02	0.003	.0460551	.2188761
bfffpain12	.10128	.0274027	3.70	0.000	.0473815	.1551784
_cons	-3.518382	3.913701	-0.90	0.369	-11.21626	4.179495

```
398 .
399 . scalar tw3bf = e(r2_a)

400 . scalar list tw3bf
        tw3bf =  .64322591

401 . scalar dsigfw3 = 0

402 . scalar numMainEffsigFw3 =16

403 .
404 .  local bfw3 bfffpain3 bfffpain7 bfffpain8 bfffpain9 bfffpain12 bfffpain13 //
    > /
    >     bfffpain14 bfffpain15 bfffpain16 bfffpain19 bfffpain21 bfffpain22 ///
    >     bfffpain26 bfffpain27 bfffpain28 bfffpain29 bfffpain32 bfffpain33 ///
    >     bfffpain34
```

```
405 .
406 . sw, pr(.1): regress WHPpain age educ2-educ5 marrw31-marrw33 marrw35 childw3
    > ///
    >   emplw32-emplw34 occ1w3-occ7w3  inc1w3-inc4w3 radhlw3 radchw3 ///
    >   radtlw3 havmil `bfw3' avgcumdosew3 if gender==2
                          begin with full model
    p = 0.9890 >= 0.1000  removing inc2w3
    p = 0.9810 >= 0.1000  removing educ5
    p = 0.9761 >= 0.1000  removing havmil
    p = 0.8103 >= 0.1000  removing occ3w3
    p = 0.8033 >= 0.1000  removing marrw31
    p = 0.7761 >= 0.1000  removing occ4w3
    p = 0.7533 >= 0.1000  removing emplw34
    p = 0.7332 >= 0.1000  removing radtlw3
    p = 0.7141 >= 0.1000  removing occ1w3
    p = 0.7116 >= 0.1000  removing avgcumdosew3
    p = 0.6767 >= 0.1000  removing occ6w3
    p = 0.5258 >= 0.1000  removing marrw35
    p = 0.4754 >= 0.1000  removing radchw3
    p = 0.4823 >= 0.1000  removing emplw33
    p = 0.4197 >= 0.1000  removing radhlw3
    p = 0.3957 >= 0.1000  removing bfffpain15
    p = 0.3694 >= 0.1000  removing childw3
    p = 0.3363 >= 0.1000  removing bfffpain7
    p = 0.2505 >= 0.1000  removing marrw32
    p = 0.2339 >= 0.1000  removing occ5w3
    p = 0.2279 >= 0.1000  removing emplw32
    p = 0.2139 >= 0.1000  removing inc4w3
    p = 0.2034 >= 0.1000  removing bfffpain19
    p = 0.2184 >= 0.1000  removing marrw33
    p = 0.1739 >= 0.1000  removing educ3
    p = 0.2593 >= 0.1000  removing educ2
    p = 0.2043 >= 0.1000  removing inc3w3
    p = 0.1376 >= 0.1000  removing bfffpain13
    p = 0.1219 >= 0.1000  removing occ2w3
```

Source	SS	df	MS
Model	119447.094	19	6286.68914
Residual	60999.77	343	177.841895
Total	180446.864	362	498.471999

Number of obs	= 363
F(19, 343)	= 35.35
Prob > F	= 0.0000
R-squared	= 0.6620
Adj R-squared	= 0.6432
Root MSE	= 13.336

WHPpain	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
age	.2248632	.0739994	3.04	0.003	.0793135	.3704128
bfffpain21	-.0002157	.0000804	-2.68	0.008	-.0003739	-.0000575
bfffpain26	-.0006886	.000159	-4.33	0.000	-.0010014	-.0003759
educ4	5.575233	2.94371	1.89	0.059	-.2147627	11.36523
bfffpain34	3.9392	.8949378	4.40	0.000	2.178944	5.699457
bfffpain29	21.43914	2.969073	7.22	0.000	15.59926	27.27902
bfffpain8	2.185328	.2376581	9.20	0.000	1.717877	2.652779
inc1w3	3.836476	2.224281	1.72	0.085	-.5384711	8.211424
bfffpain16	.071497	.0106485	6.71	0.000	.0505523	.0924416
bfffpain9	-1.046484	.3849206	-2.72	0.007	-1.803586	-.2893816
bfffpain33	.5703642	.1371641	4.16	0.000	.3005756	.8401528
bfffpain14	-.0001809	.0000892	-2.03	0.043	-.0003565	-5.41e-06
bfffpain27	-.0001107	.0000295	-3.75	0.000	-.0001688	-.0000527
bfffpain22	-.0001079	.0000396	-2.72	0.007	-.0001859	-.00003
occ7w3	3.295357	1.908815	1.73	0.085	-.4590993	7.049813
bfffpain32	-11.22556	2.168913	-5.18	0.000	-15.49161	-6.959517
bfffpain28	3.86e-06	1.24e-06	3.12	0.002	1.43e-06	6.30e-06
bfffpain3	.1324656	.0439322	3.02	0.003	.0460551	.2188761
bfffpain12	.10128	.0274027	3.70	0.000	.0473815	.1551784
_cons	-3.518382	3.913701	-0.90	0.369	-11.21626	4.179495

```
407 .
408 . scalar numMainEffsigTw3 =16

409 . scalar numMedFw3 = 15

410 .
411 . scalar dsigtw3 = 0

412 .
413 . scalar tw3nobf = e(r2_a)

414 . scalar list tw3nobf
       tw3nobf =  .64322591
```

```
415 .
416 . scalar r2chabfw3 = tw3bf - tw3nobf

417 . scalar list r2chabfw3
     r2chabfw3 =          0

418 .
419 . scalar w3numbf = 15

420 . scalar numbfsigfw3 = 15

421 .
422 .  ********  Moderator search only if avgcumdosew3 is signifi which it is not
    > as a main effect
423 .
424 .  scalar numModsigFw3 =0

425 .  scalar numModsigTw3=0

426 .
427 .  *---      Mediator Search from trimmed main effects model
428 .   local bfw3 bfffpain3 bfffpain7 bfffpain8 bfffpain9 bfffpain12 bfffpain13 /
    > //
    >     bfffpain14 bfffpain15 bfffpain16 bfffpain19 bfffpain21 bfffpain22 ///
    >     bfffpain26 bfffpain27 bfffpain28 bfffpain29 bfffpain32 bfffpain33 ///
    >     bfffpain34

429 .
430 . sw, pr(.1): regress WHPpain age educ2-educ5 marrw31-marrw33 marrw35 childw3
    > ///
    >   emplw32-emplw34 occ1w3-occ7w3  inc1w3-inc4w3 radhlw3 radchw3 ///
    >   radtlw3 havmil `bfw3' avgcumdosew3 if gender==2
                          begin with full model
    p = 0.9890 >= 0.1000  removing inc2w3
    p = 0.9810 >= 0.1000  removing educ5
    p = 0.9761 >= 0.1000  removing havmil
    p = 0.8103 >= 0.1000  removing occ3w3
    p = 0.8033 >= 0.1000  removing marrw31
    p = 0.7761 >= 0.1000  removing occ4w3
    p = 0.7533 >= 0.1000  removing emplw34
    p = 0.7332 >= 0.1000  removing radtlw3
    p = 0.7141 >= 0.1000  removing occ1w3
    p = 0.7116 >= 0.1000  removing avgcumdosew3
    p = 0.6767 >= 0.1000  removing occ6w3
    p = 0.5258 >= 0.1000  removing marrw35
    p = 0.4754 >= 0.1000  removing radchw3
    p = 0.4823 >= 0.1000  removing emplw33
    p = 0.4197 >= 0.1000  removing radhlw3
    p = 0.3957 >= 0.1000  removing bfffpain15
```

```
p = 0.3694 >= 0.1000  removing childw3
p = 0.3363 >= 0.1000  removing bfffpain7
p = 0.2505 >= 0.1000  removing marrw32
p = 0.2339 >= 0.1000  removing occ5w3
p = 0.2279 >= 0.1000  removing emplw32
p = 0.2139 >= 0.1000  removing inc4w3
p = 0.2034 >= 0.1000  removing bfffpain19
p = 0.2184 >= 0.1000  removing marrw33
p = 0.1739 >= 0.1000  removing educ3
p = 0.2593 >= 0.1000  removing educ2
p = 0.2043 >= 0.1000  removing inc3w3
p = 0.1376 >= 0.1000  removing bfffpain13
p = 0.1219 >= 0.1000  removing occ2w3
```

Source	SS	df	MS
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age	.2248632	.0739994	3.04	0.003	.0793135	.3704128
bfffpain21	-.0002157	.0000804	-2.68	0.008	-.0003739	-.0000575
bfffpain26	-.0006886	.000159	-4.33	0.000	-.0010014	-.0003759
educ4	5.575233	2.94371	1.89	0.059	-.2147627	11.36523
bfffpain34	3.9392	.8949378	4.40	0.000	2.178944	5.699457
bfffpain29	21.43914	2.969073	7.22	0.000	15.59926	27.27902
bfffpain8	2.185328	.2376581	9.20	0.000	1.717877	2.652779
inc1w3	3.836476	2.224281	1.72	0.085	-.5384711	8.211424
bfffpain16	.071497	.0106485	6.71	0.000	.0505523	.0924416
bfffpain9	-1.046484	.3849206	-2.72	0.007	-1.803586	-.2893816
bfffpain33	.5703642	.1371641	4.16	0.000	.3005756	.8401528
bfffpain14	-.0001809	.0000892	-2.03	0.043	-.0003565	-5.41e-06
bfffpain27	-.0001107	.0000295	-3.75	0.000	-.0001688	-.0000527
bfffpain22	-.0001079	.0000396	-2.72	0.007	-.0001859	-.00003
occ7w3	3.295357	1.908815	1.73	0.085	-.4590993	7.049813
bfffpain32	-11.22556	2.168913	-5.18	0.000	-15.49161	-6.959517
bfffpain28	3.86e-06	1.24e-06	3.12	0.002	1.43e-06	6.30e-06
bfffpain3	.1324656	.0439322	3.02	0.003	.0460551	.2188761
bfffpain12	.10128	.0274027	3.70	0.000	.0473815	.1551784
_cons	-3.518382	3.913701	-0.90	0.369	-11.21626	4.179495

```
431 .
432 .  scalar FemPainDoseMedsw3 = "age illw3 phlthw3 radfmw3 and radhlw3"

433 .  scalar numbfsigTw3 = 15

434 .
435 .  // age  and illw3 and physical health radhlw3 radfmw3 are  possible mediato
    > rs
436 .
437 . sem(avgcumdosew3->age)(age -> whppain) if gender==2,  nocapslatent

    Endogenous variables

    Observed:  age whppain

    Exogenous variables

    Observed:  avgcumdosew3

    Fitting target model:

    Iteration 0:   log likelihood = -3739.1332
    Iteration 1:   log likelihood = -3739.1332

    Structural equation model                       Number of obs      =       363
    Estimation method  = ml
    Log likelihood     = -3739.1332

    ------------------------------------------------------------------------------
    > ----
                     |                 OIM
                     |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Inter
    > val]
    -----------------+------------------------------------------------------------
    > ----
    Structural       |
      age <-         |
        avgcumdosew3 |   1.058366   .3502924     3.02   0.003     .3718061    1.74
    > 4927
               _cons |   48.94293   .7447571    65.72   0.000     47.48323    50.4
    > 0263
      ---------------+------------------------------------------------------------
    > ----
      whppain <-     |
                 age |   .7333239   .0909308     8.06   0.000     .5551028    .911
    > 5451
               _cons |   -18.8122   4.691527    -4.01   0.000    -28.00742   -9.61
    > 6977
    ------------------------------------------------------------------------------
```

```
> ———
Variance        |
           e.age |   137.0097   10.16981                      118.4593     158
> .465
       e.whppain |    421.567   31.29164                      364.4891    487.
> 5832
-----------------+------------------------------------------------------------

> ———
LR test of model vs. saturated: chi2(1)   =      2.82, Prob > chi2 = 0.0929

438 . sem(avgcumdosew3->inc4w3)(inc4w3->whppain) if gender==2, nocapslatent

Endogenous variables

Observed:  inc4w3 whppain

Exogenous variables

Observed:  avgcumdosew3

Fitting target model:

Iteration 0:   log likelihood = -2178.6586
Iteration 1:   log likelihood = -2178.6586

Structural equation model                       Number of obs      =       363
Estimation method  = ml
Log likelihood     = -2178.6586

-----------------+------------------------------------------------------------
> ———
                 |                 OIM
                 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Inter
> val]
-----------------+------------------------------------------------------------
> ———
Structural       |
  inc4w3 <-      |
    avgcumdosew3 |   .0007104   .0043933     0.16   0.872    -.0079004    .009
> 3211
           _cons |   .0211848   .0093406     2.27   0.023     .0028776    .039
> 4921
  ---------------+------------------------------------------------------------
> ———
  whppain <-     |
         inc4w3 |   -10.8277   7.950764    -1.36   0.173    -26.41091    4.75
> 5515
           _cons |    18.2502   1.180322    15.46   0.000     15.93681    20.5
> 6359
```

```
-------------------+----------------------------------------------------------------
> -----
Variance           |
        e.inc4w3   |   .0215513   .0015997                      .0186334    .024
> 9262
       e.whppain   |    494.572   36.71057                      427.6095    572.
> 0205
-------------------+----------------------------------------------------------------
> -----
LR test of model vs. saturated: chi2(1)   =      7.40, Prob > chi2 = 0.0065

439 . sem(avgcumdosew3->illw3)(illw3->whppain) if gender==2, nocapslatent

Endogenous variables

Observed:  illw3 whppain

Exogenous variables

Observed:  avgcumdosew3

Fitting target model:

Iteration 0:   log likelihood = -2899.5994
Iteration 1:   log likelihood = -2899.5994

Structural equation model                       Number of obs      =       363
Estimation method  = ml
Log likelihood     = -2899.5994

-------------------+----------------------------------------------------------------
> -----
                   |                 OIM
                   |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Inter
> val]
-------------------+----------------------------------------------------------------
> -----
Structural         |
  illw3 <-         |
    avgcumdosew3   |   .1284565   .0341324     3.76   0.000     .0615584    .195
> 3547
           _cons   |   .5563644   .0725688     7.67   0.000     .4141321    .698
> 5968
  -----------------+----------------------------------------------------------------
> -----
  whppain <-       |
           illw3   |   6.774775   .9416735     7.19   0.000     4.929128    8.62
> 0421
           _cons   |   13.19644   1.283149    10.28   0.000     10.68152    15.7
```

```
> 1137
-------------------+----------------------------------------------------------------
> -----
Variance           |
         e.illw3 |   1.300836   .0965571                      1.124709    1.50
> 4543
       e.whppain |    435.064   32.29348                      376.1586    503.
> 1937
-------------------+----------------------------------------------------------------
> -----
LR test of model vs. saturated: chi2(1)   =      2.28, Prob > chi2 = 0.1309

440 . sem(avgcumdosew3->phlthw3)(phlthw3->whppain) if gender==2, nocapslatent

Endogenous variables

Observed:  phlthw3 whppain

Exogenous variables

Observed:  avgcumdosew3

Fitting target model:

Iteration 0:   log likelihood =  -3905.879
Iteration 1:   log likelihood =  -3905.879

Structural equation model                       Number of obs      =       363
Estimation method  = ml
Log likelihood     =  -3905.879

-------------------+----------------------------------------------------------------
> -----
                   |                 OIM
                   |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Inter
> val]
-------------------+----------------------------------------------------------------
> -----
Structural         |
  phlthw3 <-       |
    avgcumdosew3 |  -1.596683   .5946571    -2.69   0.007     -2.76219   -.431
> 1767
           _cons |    67.2054   1.264301    53.16   0.000     64.72741    69.6
> 8338
  -----------------+----------------------------------------------------------------
> -----
  whppain <-       |
         phlthw3 |  -.5692869   .0500792   -11.37   0.000    -.6674403   -.471
> 1335
```

```
            _cons |   55.17832   3.420453    16.13   0.000     48.47436    61.8
> 8229
------------------+------------------------------------------------------------
> -----
Variance          |
       e.phlthw3 |   394.8419   29.30791                      341.3824     456
> .673
       e.whppain |    366.594   27.21116                      316.9591    424.
> 0015
------------------+------------------------------------------------------------
> -----
LR test of model vs. saturated: chi2(1)   =      2.44, Prob > chi2 = 0.1182

441 . sem(avgcumdosew3->radhlw3)(radhlw3->whppain) if gender==2, nocapslatent

Endogenous variables

Observed:  radhlw3 whppain

Exogenous variables

Observed:  avgcumdosew3

Fitting target model:

Iteration 0:   log likelihood = -4149.4532
Iteration 1:   log likelihood = -4149.4532

Structural equation model                       Number of obs      =       363
Estimation method  = ml
Log likelihood     = -4149.4532

------------------+------------------------------------------------------------
> -----
                  |                 OIM
                  |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Inter
> val]
------------------+------------------------------------------------------------
> -----
Structural        |
  radhlw3 <-      |
    avgcumdosew3 |   2.751602   1.027538     2.68   0.007     .7376654    4.76
> 5539
            _cons |   57.70689   2.184649    26.41   0.000     53.42506    61.9
> 8873
  ----------------+------------------------------------------------------------
> -----
  whppain <-      |
         radhlw3 |   .1505805   .0328119     4.59   0.000     .0862705    .214
```

```
> 8906
           _cons |   8.824084   2.302657     3.83   0.000      4.31096    13.3
> 3721
-----------------+------------------------------------------------------------
> -----
Variance         |
       e.radhlw3 |   1178.923   87.50785                      1019.303    1363
> .539
       e.whppain |   469.8393   34.87474                      406.2255    543.
> 4147
-----------------+------------------------------------------------------------
> -----
LR test of model vs. saturated: chi2(1)   =      4.64, Prob > chi2 = 0.0312

442 . sem(avgcumdosew3-> radfmw3)(radfmw3->whppain) if gender==2, nocapslatent

Endogenous variables

Observed:  radfmw3 whppain

Exogenous variables

Observed:  avgcumdosew3

Fitting target model:

Iteration 0:   log likelihood = -4136.1112
Iteration 1:   log likelihood = -4136.1112

Structural equation model                       Number of obs      =       363
Estimation method  = ml
Log likelihood     = -4136.1112

-----------------+------------------------------------------------------------
> -----
                 |                 OIM
                 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Inter
> val]
-----------------+------------------------------------------------------------
> -----
Structural       |
  radfmw3 <-     |
    avgcumdosew3 |   2.423642   .9998022     2.42   0.015      .4640659    4.38
> 3218
           _cons |   65.65475   2.125681    30.89   0.000      61.4885    69.8
> 2101
  ---------------+------------------------------------------------------------
> -----
  whppain <-     |
```

```
         radfmw3 |   .1781639   .0334654     5.32   0.000     .1125729    .243
> 7549
           _cons |   5.795318   2.556485     2.27   0.023        .7847    10.8
> 0594
-----------------+------------------------------------------------------------
> ----
Variance         |
       e.radfmw3 |   1116.138   82.84757                      965.0192    1290
> .923
       e.whppain |   461.0964   34.22578                      398.6664    533.
> 3027
-----------------+------------------------------------------------------------
> ----
LR test of model vs. saturated: chi2(1)   =      4.59, Prob > chi2 = 0.0321

443 . sem(avgcumdosew3-> radchw3)(radchw3->whppain) if gender==2, nocapslatent

Endogenous variables

Observed:  radchw3 whppain

Exogenous variables

Observed:  avgcumdosew3

Fitting target model:

Iteration 0:   log likelihood = -4161.3265
Iteration 1:   log likelihood = -4161.3265

Structural equation model                       Number of obs      =       363
Estimation method  = ml
Log likelihood     = -4161.3265

-----------------+------------------------------------------------------------
> ----
                 |                 OIM
                 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Inter
> val]
-----------------+------------------------------------------------------------
> ----
Structural       |
  radchw3 <-     |
    avgcumdosew3 |   1.497864   1.033363     1.45   0.147    -.5274916    3.52
> 3219
           _cons |    59.6792   2.197035    27.16   0.000     55.37309    63.9
> 8531
-----------------+------------------------------------------------------------
> ----
```

```
  whppain <-
         radchw3 |    .030779   .0337536     0.91   0.362    -.0353768    .096
> 9348
           _cons |    16.1193   2.381707     6.77   0.000     11.45124    20.7
> 8736
-----------------+------------------------------------------------------------
> ----
Variance         |
        e.radchw3 |   1192.329   88.50296                      1030.894    1379
> .044
        e.whppain |   495.9627   36.81381                       428.812     573
> .629
-----------------+------------------------------------------------------------
> ----
LR test of model vs. saturated: chi2(1)   =      6.98, Prob > chi2 = 0.0082

444 . sem(avgcumdosew3-> radtlw3)(radtlw3->whppain) if gender==2, nocapslatent

Endogenous variables

Observed:  radtlw3 whppain

Exogenous variables

Observed:  avgcumdosew3

Fitting target model:

Iteration 0:   log likelihood = -4164.2217
Iteration 1:   log likelihood = -4164.2217

Structural equation model                       Number of obs      =       363
Estimation method  = ml
Log likelihood     = -4164.2217

-----------------+------------------------------------------------------------
> ----
                 |                 OIM
                 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Inter
> val]
-----------------+------------------------------------------------------------
> ----
Structural       |
  radtlw3 <-     |
    avgcumdosew3 |    1.24609   1.041929     1.20   0.232     -.796054    3.28
> 8233
           _cons |   63.70355   2.215247    28.76   0.000     59.36174    68.0
> 4535
-----------------+------------------------------------------------------------
```

```
> ———
  whppain <-   |
         radtlw3 |   .0340768   .0334975     1.02   0.309    -.0315771    .099
> 7308
           _cons |   15.78972   2.477037     6.37   0.000     10.93482    20.6
> 4463
----------------+------------------------------------------------------------
> ———
Variance        |
         e.radtlw3 |   1212.178   89.97628                      1048.055    1402
> .001
         e.whppain |   495.6856   36.79324                      428.5724    573.
> 3086
----------------+------------------------------------------------------------
> ———
LR test of model vs. saturated: chi2(1)   =      7.00, Prob > chi2 = 0.0081

445 .
446 . scalar numMedPainDoseFsigw3 =5

447 .
448 . matrix define FemaleWHPpainr2w3 = ( fw3 , tw3bf, tw3nobf, w3numbf, r2chabfw3
> )

449 . matrix colnames FemaleWHPpainr2w3 = FullBFR2a TR2aBF  TR2aNoBF  NumBF  BFR2c
> ha

450 . matrix rownames FemaleWHPpainr2w3 = wave2

451 . matlist FemaleWHPpainr2w3

             | FullBFR2a     TR2aBF   TR2aNoBF      NumBF    BFR2cha
-------------+-------------------------------------------------------
       wave2 |  .6367829   .6432259   .6432259         15          0

452 .
453 . matrix define  FemaleWHPpainr2 = (FemaleWHPpainr2w1 \ FemaleWHPpainr2w2 \ Fe
> maleWHPpainr2w3 )
```

```
454 . matlist FemaleWHPpainr2

             | FullBFR2a     TR2aBF   TR2aNoBF      NumBF    BFR2cha
-------------+---------------------------------------------------------
       wave1 |  .4791464   .4802996   .2066858          4   .2736138
       wave2 |  .5774594   .5804982   .5903048          9  -.0098066
       wave2 |  .6367829   .6432259   .6432259         15          0

455 .
456 .
457 .
458 .
459 .
460 .
461 .
462 . matrix define H1p1FPnDosew3 = J(1,12,0)

463 . matrix  colnames H1p1FPnDosew3 = hypnum ptnum wv dsigfw3 dsigtw3 numMainEffs
    > igFw3 numMainEffsigTw3 numModFw3 numModTw3 numbfsigfw3 numbfsigtw3 numMedw3

464 . matrix  rownames H1p1FPnDosew3 = wave3

465 . matlist H1p1FPnDosew3

             |    hypnum      ptnum         wv    dsigfw3    dsigtw3  numMain~
> 3  numMain~3  numModFw3  numModTw3  numbfsi~3  numbfsi~3   numMedw3
-------------+-------------------------------------------------------------
> -------------------------------------------------------------------------
       wave3 |          0          0          0          0          0
> 0          0          0          0          0          0          0

466 .
467 .
468 . *----- Legend---------------------------------------------------------
    > --------------------
469 . * legend: hyp =  hypothesis
470 . *         pt = part of hypothesis
```

```
471 . *         wv = wave
472 . *         dsigfw3  =  is dose signifcant in full main effects model = 1 if
    >  yes, 0 otherwise
473 . *         dsigtw3 =   is dose signif in trimmed main effects model = 1 if ye
    > s, 0 otherwise
474 . *         numMainEffsigFwx  =  number of sig main effects in full model in w
    > ave x
475 . *         numMainEffsigTw3  =      "                    "     trimmed "    "
    >     3
476 . *         numModFw3 =   number of moderating effects in full wave 3 model
477 . *         numMOdTw3 =   number of moderating effects in trimmed model in wav
    > e 3
478 . *         numbfsigfw3 = number of basis functions significant in full wave 3
    >  model
479 . *         numbfsigtw3 = number of basis functions significant in trimmedl wa
    > ve 3 model
480 . *         numMedw3 = number of possible mediators in wave3
481 .
482 .
483 . matrix define H1p1FPnDosew3 = (hyp, pt, wv, dsigfw3, dsigtw3, numMainEffsigF
    > w3, numMainEffsigTw3, numModsigFw3, numModsigTw3,numbfsigfw3,numbfsigTw3, nu
    > mMedFw3)

484 . matrix  colnames H1p1FPnDosew3 = hypnum ptnum wv dsigfw3 dsigtw3 numMainEffs
    > igFw3 numMainEffsigTw3 numModFw3 numModTw3 numbfsigfw3 numbfsigtw3 numMedw3

485 . matrix  rownames H1p1FPnDosew3 = wave3

486 . matlist H1p1FPnDosew3

             |    hypnum      ptnum          wv    dsigfw3    dsigtw3  numMain~
> 3  numMain~3  numModFw3  numModTw3  numbfsi~3  numbfsi~3   numMedw3
-------------+------------------------------------------------------------------
> -------------------------------------------------------------------------------
       wave3 |         1          1          3          0          0         1
> 6         16          0          0         15         15         15
```

```
487 .
488 . matrix define H1p1FPnDose = ( H1p1FPnDosew1 \ H1p1FPnDosew2 \ H1p1FPnDosew3
    > )

489 . matlist H1p1FPnDose

             |    hypnum      ptnum         wv    dsigfw1    dsigtw1  numMain~
    > 1  numMain~1  numModFw1  numModTw1  numbfsi~1  numbfsi~1   numMedw1
    -------------+------------------------------------------------------------
    > -----------------------------------------------------------------------
           wave1 |         1          1          1          0          3
    > 5         5          0          1          1          4          2
           wave2 |         1          1          2          0          0
    > 8         5          6          6          9          9          1
           wave3 |         1          1          3          0          0          1
    > 6        16          0          0         15         15         15

490 .
491 . cap svmat H1p1FPnDose

492 .
493 .   save chwide22june2012, replace
    file chwide22june2012.dta saved

494 .
```