```
 1 . set linesize 80

 2 .
 3 . ********************************************************************************
   > ****
 4 . ******* We summarize the main effects models that were supposed to be signif
   > icant
 5 . ********************************************************************************
   > ****
 6 . set linesize 80

 7 . est clear

 8 .
 9 .
10 .    * work
11 . forvalues j=2/2 {
     2. local w2bf bf1 bf4 bf2 bf4m bf5m bf7m bf8 bf15m bf17 bf20 bf22 bf29 bf30
   > bf40
     3. set more off
     4. di as input "For females trimmed HP2work on wave 2 with dose ns"
     5.         des  age occ1w`j'-occ8w`j' inc1w`j'-inc4w`j' avgcumdosew`j' bf8 /
   > //
   >            marrw`j'1-marrw`j'6  `w2bf'
     6.         logistic HP2work  age  whppain whpsleep whpel ///
   >               avgcumdosew2 bf8 illw`j' shjobw`j' radhlw`j' if gender==1, c
   > oef nolog
     7.
12 . eststo work
     8.         }
   For females trimmed HP2work on wave 2 with dose ns

                 storage  display     value
   variable name   type   format      label      variable label
   ------------------------------------------------------------------------------
   age             double %8.0g                 * Respondent's age
   occ1w2          double %15.0g      LABJ        profess executive administration
                                                    in 1996
   occ2w2          double %15.0g      LABJ        technical sales admin support in
                                                    1996
   occ3w2          double %15.0g      LABJ        service occup protective
                                                    services in 1996
   occ4w2          double %15.0g      LABJ        precision prod mechan craft
                                                    construction in 1996
   occ5w2          double %15.0g      LABJ        factory laborer machinist transp
                                                    cleaner in 1996
   occ6w2          double %15.0g      LABJ        farming agricul forestry fishing
                                                    trapping logging in 1996
   occ7w2          double %15.0g      LABJ        homemaking caregiving in 1996
```

| | | | |
|---|---|---|---|
| **occ8w2** | double | %15.0g | LABJ | **student in 1996** |
| **inc1w2** | double | %15.0g | LABJ | **Income is not sufficient for basic neccessities in 1996** |
| **inc2w2** | double | %15.0g | LABJ | **Income is just sufficient for basic neccessities in 1996** |
| **inc3w2** | double | %15.0g | LABJ | **Income is sufficient for basics plus extra purchases/savings in 1996** |
| **inc4w2** | double | %15.0g | LABJ | **Income allows to comfortably afford luxury items in 1996** |
| **avgcumdosew2** | double | %8.0g | | **Average mean dose CS1337 in mGy for wave 2** |
| **bf8** | float | %9.0g | | **bf8 = max(0, radtlw3 - 40) * bf5m** |
| **marrw21** | byte | %8.0g | | **marrw2==1. single** |
| **marrw22** | byte | %8.0g | | **marrw2==2. cohabitating** |
| **marrw23** | byte | %8.0g | | **marrw2==3. married** |
| **marrw24** | byte | %8.0g | | **marrw2==4. separated** |
| **marrw25** | byte | %8.0g | | **marrw2==5. divorced** |
| **marrw26** | byte | %8.0g | | **marrw2==6. widowed** |
| **bf1** | float | %9.0g | | **bf1 = max(0, kzchorn - 40)** |
| **bf4** | float | %9.0g | | **bf4 = max(0, 24 - BSIsoma)** |
| **bf2** | float | %9.0g | | **bf2 = max(0, efradw3 - 1.61252E-006) * bf1** |
| **bf4m** | float | %9.0g | | **bf4m = max(0, 32 - BSIsoma)** |
| **bf5m** | float | %9.0g | | **bf5m = max(0, ecprw3 - 75) * bf4m** |
| **bf7m** | float | %9.0g | | **bf7m = max(0, radtlw3 - 2.12558E-007) * bf4m** |
| **bf8** | float | %9.0g | | **bf8 = max(0, radtlw3 - 40) * bf5m** |
| **bf15m** | float | %9.0g | | **bf15m= max(0, 1 - icdxcnt) * bf2** |
| **bf17** | float | %9.0g | | **bf17 = max(0, 20 - ecprw3) * bf15m** |
| **bf20** | float | %9.0g | | **bf20 = max(0, kzchorn - 2.53946E-006)** |
| **bf22** | float | %9.0g | | **bf22 = max(0, icdxcnt - 1.01635E-007) * bf7m** |
| **bf29** | float | %9.0g | | **bf29 = max(0, 18 - CSsocspt) * bf8** |
| **bf30** | float | %9.0g | | **bf30 = max(0, neiw1 - 85) * bf20** |
| **bf40** | float | %9.0g | | **bf40 = max(0, icdxcnt - 1.01635E-007)** |

Logistic regression

| | | |
|---|---|---|
| Number of obs | = | **340** |
| LR chi2(**9**) | = | **65.88** |
| Prob > chi2 | = | **0.0000** |
| Pseudo R2 | = | **0.1906** |

Log likelihood = **-139.93087**

| HP2work | Coef. | Std. Err. | z | P>\|z\| | [95% Conf. | Interval] |
|---|---|---|---|---|---|---|
| age | .0133896 | .0138973 | 0.96 | 0.335 | -.0138487 | .0406279 |
| whppain | .0277922 | .0099062 | 2.81 | 0.005 | .0083765 | .047208 |
| whpsleep | .0022041 | .0066476 | 0.33 | 0.740 | -.0108249 | .0152332 |
| whpel | .0167666 | .005548 | 3.02 | 0.003 | .0058927 | .0276405 |
| avgcumdosew2 | -.0156145 | .049985 | -0.31 | 0.755 | -.1135833 | .0823542 |
| bf8 | -.0000491 | .0000255 | -1.93 | 0.054 | -.0000991 | 8.70e-07 |
| illw2 | .3746153 | .238162 | 1.57 | 0.116 | -.0921737 | .8414043 |
| shjobw2 | .0034013 | .0040952 | 0.83 | 0.406 | -.0046252 | .0114277 |
| radhlw2 | .0068395 | .004953 | 1.38 | 0.167 | -.0028683 | .0165472 |
| _cons | -3.455413 | .727987 | -4.75 | 0.000 | -4.882241 | -2.028584 |

```
13 .
14 .
15 .
16 .
17 . * home care
18 .
19 . * Dose work relationship for females in wave 2 washes out also
20 . set more off

21 . forvalues j=2/2 {
     2. di _skip(4)
     3. di as input "For females hp2hmcare on wave 1 with dose ns"
     4. des  age   avgcumdosew`j' `w2bf'
     5. logistic HP2work  age havmilsq  radhlw2  whppain whpsleep whpel ///
>    avgcumdosew2 shhlw`j' shjobw`j' shrelaw`j' suprtw`j' if gender==2, coef n
> olog
     6. eststo hmcare
     7. }

  For females hp2hmcare on wave 1 with dose ns

              storage  display     value
variable name   type   format      label      variable label
------------------------------------------------------------------------------
age             double %8.0g                 * Respondent's age
avgcumdosew2    double %8.0g                   Average mean dose CS1337 in mGy
                                                 for wave 2
bf1             float  %9.0g                   bf1 = max(0, kzchorn - 40)
bf4             float  %9.0g                   bf4 = max(0, 24 - BSIsoma)
bf2             float  %9.0g                   bf2 = max(0, efradw3 -
                                                 1.61252E-006) * bf1
bf4m            float  %9.0g                   bf4m = max(0, 32 - BSIsoma)
bf5m            float  %9.0g                   bf5m = max(0, ecprw3 - 75) *
                                                 bf4m
```

| | | | |
|---|---|---|---|
| **bf7m** | float | %9.0g | **bf7m = max(0, radtlw3 - 2.12558E-007) * bf4m** |
| **bf8** | float | %9.0g | **bf8 = max(0, radtlw3 - 40) * bf5m** |
| **bf15m** | float | %9.0g | **bf15m= max(0, 1 - icdxcnt) * bf2** |
| **bf17** | float | %9.0g | **bf17 = max(0, 20 - ecprw3) * bf15m** |
| **bf20** | float | %9.0g | **bf20 = max(0, kzchorn - 2.53946E-006)** |
| **bf22** | float | %9.0g | **bf22 = max(0, icdxcnt - 1.01635E-007) * bf7m** |
| **bf29** | float | %9.0g | **bf29 = max(0, 18 - CSsocspt) * bf8** |
| **bf30** | float | %9.0g | **bf30 = max(0, neiw1 - 85) * bf20** |
| **bf40** | float | %9.0g | **bf40 = max(0, icdxcnt - 1.01635E-007)** |

Logistic regression

Number of obs = **363**
LR chi2(**11**) = **87.33**
Prob > chi2 = **0.0000**

Log likelihood = **-162.89904**

Pseudo R2 = **0.2114**

| HP2work | Coef. | Std. Err. | z | P>\|z\| | [95% Conf. | Interval] |
|---|---|---|---|---|---|---|
| age | **.0366858** | **.0131691** | **2.79** | **0.005** | **.0108748** | **.0624969** |
| havmilsq | **-4.12e-07** | **8.51e-07** | **-0.48** | **0.628** | **-2.08e-06** | **1.25e-06** |
| radhlw2 | **.0079654** | **.0043944** | **1.81** | **0.070** | **-.0006474** | **.0165782** |
| whppain | **.010523** | **.0076361** | **1.38** | **0.168** | **-.0044435** | **.0254895** |
| whpsleep | **.0108514** | **.0052697** | **2.06** | **0.039** | **.0005229** | **.0211799** |
| whpel | **.0098934** | **.0048783** | **2.03** | **0.043** | **.0003321** | **.0194546** |
| avgcumdosew2 | **.0787768** | **.0869756** | **0.91** | **0.365** | **-.0916923** | **.2492458** |
| shhlw2 | **.0060954** | **.0050051** | **1.22** | **0.223** | **-.0037144** | **.0159052** |
| shjobw2 | **-.0029385** | **.004756** | **-0.62** | **0.537** | **-.0122602** | **.0063831** |
| shrelaw2 | **-.0125997** | **.0051163** | **-2.46** | **0.014** | **-.0226275** | **-.0025719** |
| suprtw2 | **.0008366** | **.0034693** | **0.24** | **0.809** | **-.0059631** | **.0076363** |
| _cons | **-4.409484** | **.7893441** | **-5.59** | **0.000** | **-5.95657** | **-2.862398** |

```
22 .
23 .
24 . *  social problems
25 . forvalues j=2/2 {
     2. set more off
     3. di as input "females trimmed HP2probsoc on wave 2 with dose ns"
     4.         des  age occ1w`j'-occ8w`j' inc1w`j'-inc4w`j' avgcumdosew`j' bf8 /
   > //
   >            marrw`j'1-marrw`j'6  `w2bf'
     5.         logistic HP2probsoc  age  avgcumdosew2 whppain whpsleep whpel ///
   >         bf8 illw`j' shjobw`j' radhlw`j' if gender==1, coef nolog
   >
     6. eststo socprobs
     7.         }
   females trimmed HP2probsoc on wave 2 with dose ns

                 storage  display     value
   variable name   type   format      label      variable label
   ------------------------------------------------------------------------------
   age             double %8.0g                 * Respondent's age
   occ1w2          double %15.0g      LABJ        profess executive administration
                                                    in 1996
   occ2w2          double %15.0g      LABJ        technical sales admin support in
                                                    1996
   occ3w2          double %15.0g      LABJ        service occup protective
                                                    services in 1996
   occ4w2          double %15.0g      LABJ        precision prod mechan craft
                                                    construction in 1996
   occ5w2          double %15.0g      LABJ        factory laborer machinist transp
                                                    cleaner in 1996
   occ6w2          double %15.0g      LABJ        farming agricul forestry fishing
                                                    trapping logging in 1996
   occ7w2          double %15.0g      LABJ        homemaking caregiving in 1996
   occ8w2          double %15.0g      LABJ        student in 1996
   inc1w2          double %15.0g      LABJ        Income is not sufficient for
                                                    basic neccessities in 1996
   inc2w2          double %15.0g      LABJ        Income is just sufficient for
                                                    basic neccessities in 1996
   inc3w2          double %15.0g      LABJ        Income is sufficient for basics
                                                    plus extra purchases/savings
                                                    in 1996
   inc4w2          double %15.0g      LABJ        Income allows to comfortably
                                                    afford luxury items in 1996
   avgcumdosew2    double %8.0g                   Average mean dose CS1337 in mGy
                                                    for wave 2
   bf8             float  %9.0g                   bf8 = max(0, radtlw3 - 40) *
                                                    bf5m
   marrw21         byte   %8.0g                   marrw2==1. single
   marrw22         byte   %8.0g                   marrw2==2. cohabitating
```

| | | | |
|---|---|---|---|
| **marrw23** | byte | %8.0g | **marrw2==3. married** |
| **marrw24** | byte | %8.0g | **marrw2==4. separated** |
| **marrw25** | byte | %8.0g | **marrw2==5. divorced** |
| **marrw26** | byte | %8.0g | **marrw2==6. widowed** |
| **bf1** | float | %9.0g | **bf1 = max(0, kzchorn - 40)** |
| **bf4** | float | %9.0g | **bf4 = max(0, 24 - BSIsoma)** |
| **bf2** | float | %9.0g | **bf2 = max(0, efradw3 - 1.61252E-006) * bf1** |
| **bf4m** | float | %9.0g | **bf4m = max(0, 32 - BSIsoma)** |
| **bf5m** | float | %9.0g | **bf5m = max(0, ecprw3 - 75) * bf4m** |
| **bf7m** | float | %9.0g | **bf7m = max(0, radtlw3 - 2.12558E-007) * bf4m** |
| **bf8** | float | %9.0g | **bf8 = max(0, radtlw3 - 40) * bf5m** |
| **bf15m** | float | %9.0g | **bf15m= max(0, 1 - icdxcnt) * bf2** |
| **bf17** | float | %9.0g | **bf17 = max(0, 20 - ecprw3) * bf15m** |
| **bf20** | float | %9.0g | **bf20 = max(0, kzchorn - 2.53946E-006)** |
| **bf22** | float | %9.0g | **bf22 = max(0, icdxcnt - 1.01635E-007) * bf7m** |
| **bf29** | float | %9.0g | **bf29 = max(0, 18 - CSsocspt) * bf8** |
| **bf30** | float | %9.0g | **bf30 = max(0, neiw1 - 85) * bf20** |
| **bf40** | float | %9.0g | **bf40 = max(0, icdxcnt - 1.01635E-007)** |

Logistic regression

| | | |
|---|---|---|
| Number of obs | = | **340** |
| LR chi2(**9**) | = | **91.72** |
| Prob > chi2 | = | **0.0000** |
| Pseudo R2 | = | **0.3664** |

Log likelihood = **-79.291415**

| HP2probsoc | Coef. | Std. Err. | z | P>\|z\| | [95% Conf. | Interval] |
|---|---|---|---|---|---|---|
| age | **.037799** | **.0194419** | **1.94** | **0.052** | **-.0003064** | **.0759044** |
| avgcumdosew2 | **.0083805** | **.0536714** | **0.16** | **0.876** | **-.0968135** | **.1135745** |
| whppain | **.0338775** | **.012604** | **2.69** | **0.007** | **.0091742** | **.0585808** |
| whpsleep | **.0053094** | **.0083267** | **0.64** | **0.524** | **-.0110106** | **.0216293** |
| whpel | **.0199609** | **.0076543** | **2.61** | **0.009** | **.0049587** | **.034963** |
| bf8 | **-.0000415** | **.0000304** | **-1.37** | **0.172** | **-.0001011** | **.000018** |
| illw2 | **.3212823** | **.3100339** | **1.04** | **0.300** | **-.286373** | **.9289375** |
| shjobw2 | **.0121068** | **.0059195** | **2.05** | **0.041** | **.0005047** | **.0237088** |
| radhlw2 | **.0179923** | **.0070408** | **2.56** | **0.011** | **.0041926** | **.0317919** |
| _cons | **-7.244506** | **1.207454** | **-6.00** | **0.000** | **-9.611072** | **-4.87794** |

```
26 .
27 .
28 .
29 . * famprobs
30 . title "Trimmed Female Famly problems model"

   ********************************************************************************
   > *
   ********************************************************************************
   > *
   *****                                                                      ****
   > *
   *****                                                                      ****
   > *
   *****                 Trimmed Female Famly problems model                  ****
   > *
   *****                                                                      ****
   > *
   *****                                                                      ****
   > *
   *****                                          2 Jul 2012    01:02:33      ****
   > *
   ********************************************************************************
   > *
   ********************************************************************************
   > *



31 . *-------Chunk 6  continued -testing meditors for females
32 . title "More partly female Trimmed wave 2"  "Dose => Problems with Family at
   > home models"

   ********************************************************************************
   > *
   ********************************************************************************
   > *
   *****                                                                      ****
   > *
   *****                                                                      ****
   > *
   *****                  More partly female Trimmed wave 2                   ****
   > *
   *****             Dose => Problems with Family at home models              ****
   > *
   *****                                                                      ****
   > *
```

```
*****                                                                 ****
> *
*****                                          2 Jul 2012    01:02:33  ****
> *
********************************************************************************
> *
********************************************************************************
> *
```

```
33 . local w2bf bf1 bf4 bf2 bf8 bf15m bf17 bf20 bf22 bf29 bf30 bf40

34 . logit HP2pbfhm age  bf4 bf40 avgcumdosew2 radhlw2 ///
>     whppain whpsleep whpel  if gender==2, iterate(50) nolog

Logistic regression                             Number of obs   =        363
                                                LR chi2(8)      =      83.91
                                                Prob > chi2     =     0.0000
Log likelihood = -97.941266                     Pseudo R2       =     0.2999

------------------------------------------------------------------------------
    HP2pbfhm |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
         age |   .0427925    .018401     2.33   0.020     .0067272    .0788577
         bf4 |  -.0828459    .0504609   -1.64   0.101    -.1817474    .0160557
        bf40 |  -.2093721    .1016708   -2.06   0.039    -.4086432    -.010101
avgcumdosew2 |   .0018638    .1036398    0.02   0.986    -.2012664    .2049941
     radhlw2 |   .0096602    .0061285    1.58   0.115    -.0023514    .0216718
     whppain |   .0141081    .0098379    1.43   0.152    -.0051738     .03339
    whpsleep |   .0066821    .0064638    1.03   0.301    -.0059867    .0193508
       whpel |   .0146091    .0067182    2.17   0.030     .0014418    .0277765
       _cons |  -4.841001    1.282889   -3.77   0.000    -7.355417   -2.326586
------------------------------------------------------------------------------

35 . eststo familyprbs
```

```
36 .
37 .
38 .
39 .
40 . * sex life
41 . title "Chunk 7 trimmed male model of dose and HP2sxlife relationship in wave
   >  2"


   ********************************************************************************
   > *
   ********************************************************************************
   > *
   *****                                                                      ****
   > *
   *****                                                                      ****
   > *
   *****Chunk 7 trimmed male model of dose and HP2sxlife relationship in wave 2**
   > ***
   *****                                                                      ****
   > *
   *****                                                                      ****
   > *
   *****                                          2 Jul 2012    01:02:35  ****
   > *
   ********************************************************************************
   > *
   ********************************************************************************
   > *



42 . * male models
43 .         forvalues j=2/2 {
     2. set more off
     3. di as input  "trimmed HP2sexlife main effects models wave 1 for H1 part 2
   >  with dose ns"
     4. di as input  "wave 2 male dose avgcumdosew`j' main effect not signif"
     5.          logit HP2sxlife age  bf4  illw`j' whppain whpsleep whpel ///
   >           avgcumdosew`j' radhlw`j' if gender==1
     6.
```

```
44 .         eststo sexlife
  7. }
trimmed HP2sexlife main effects models wave 1 for H1 part 2 with dose ns
wave 2 male dose avgcumdosew2 main effect not signif

Iteration 0:   log likelihood = -171.51396
Iteration 1:   log likelihood =  -118.4729
Iteration 2:   log likelihood = -111.80137
Iteration 3:   log likelihood = -111.62448
Iteration 4:   log likelihood = -111.62389
Iteration 5:   log likelihood = -111.62389

Logistic regression                                     Number of obs   =        340
                                                        LR chi2(8)      =     119.78
                                                        Prob > chi2     =     0.0000
Log likelihood = -111.62389                             Pseudo R2       =     0.3492
```

| HP2sxlife | Coef. | Std. Err. | z | P>\|z\| | [95% Conf. | Interval] |
|---|---|---|---|---|---|---|
| age | .0633624 | .0158369 | 4.00 | 0.000 | .0323227 | .094402 |
| bf4 | -.1290276 | .039812 | -3.24 | 0.001 | -.2070577 | -.0509974 |
| illw2 | .2494849 | .2532825 | 0.99 | 0.325 | -.2469397 | .7459094 |
| whppain | .0165904 | .0109372 | 1.52 | 0.129 | -.0048462 | .038027 |
| whpsleep | .0050021 | .0072864 | 0.69 | 0.492 | -.009279 | .0192832 |
| whpel | .0072083 | .0063787 | 1.13 | 0.258 | -.0052937 | .0197104 |
| avgcumdosew2 | .0392164 | .0479775 | 0.82 | 0.414 | -.0548178 | .1332506 |
| radhlw2 | .0096677 | .0056501 | 1.71 | 0.087 | -.0014063 | .0207417 |
| _cons | -4.55453 | 1.106189 | -4.12 | 0.000 | -6.722621 | -2.38644 |

```
45 .
46 . * inthob
47 .
48 . forvalues j=2/2 {
  2. set more off
  3.
```

```
49 . des age educ1-educ7 marrw`j'1-marrw`j'6 inc1w`j'-inc4w`j' ///
   >   bf1 bf4 bf9 bf11 bf4m bf15m bf30 bf40
     4.
50 .   foreach var in HP2inthob  {
     5.       forvalues k=2/2 {
     6. local w2bf bf1 bf4 bf2 bf4m bf5m bf7m bf8 bf15m bf17 bf20 bf22 bf29 bf30
   > bf40
     7.
51 . di as input "trimmed main model for `var' for wave= `j' "
     8. di _skip(4)
     9. di as input  "chunk 8 H1 test:Gender= `k'  model Wave =  `j' for `e(depva
   > r)' "
    10. di _skip(4)
    11. title "Full Nottingham Part 2 subscale models for male and then females"
    12. di as input "Model for gender==`k' and wave == `j'"
    13. di _skip(2)
    14.      logit `var' age   ///
   >                  avgcumdosew`j' bf4 bf30  ///
   >                  shrelaw`j' suprtw`j' whppain whpsleep whpel  ///
   >                 radhlw2 if gender==2,  difficult iterate(50)  nolog
    15.
52 .                 eststo inthobbies
    16.  }
    17. }
    18. }
```

| variable name | storage type | display format | value label | variable label |
|---|---|---|---|---|
| **age** | double | %8.0g | | * **Respondent's age** |
| **educ1** | byte | %8.0g | | **educ==1. did not graduate high school** |
| **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** |
| **marrw24** | byte | %8.0g | | **marrw2==4. separated** |
| **marrw25** | byte | %8.0g | | **marrw2==5. divorced** |
| **marrw26** | byte | %8.0g | | **marrw2==6. widowed** |
| **inc1w2** | double | %15.0g | LABJ | **Income is not sufficient for basic neccessities in 1996** |

```
inc2w2          double %15.0g      LABJ       Income is just sufficient for
                                                basic neccessities in 1996
inc3w2          double %15.0g      LABJ       Income is sufficient for basics
                                                plus extra purchases/savings
                                                in 1996
inc4w2          double %15.0g      LABJ       Income allows to comfortably
                                                afford luxury items in 1996
bf1             float  %9.0g                  bf1 = max(0, kzchorn - 40)
bf4             float  %9.0g                  bf4 = max(0, 24 - BSIsoma)
bf9             float  %9.0g                  bf9= max(0, 30 - shhlw1)
bf11            float  %9.0g                  bf11= max(0, 20 - sufamw1)
bf4m            float  %9.0g                  bf4m = max(0, 32 - BSIsoma)
bf15m           float  %9.0g                  bf15m= max(0, 1 - icdxcnt) * bf2
bf30            float  %9.0g                  bf30 = max(0, neiw1 - 85) * bf20
bf40            float  %9.0g                  bf40 = max(0, icdxcnt -
                                                1.01635E-007)
trimmed main model for HP2inthob for wave= 2

chunk 8 H1 test:Gender= 2  model Wave =  2 for HP2sxlife



*******************************************************************************
> *
*******************************************************************************
> *
*****                                                                      ****
> *
*****                                                                      ****
> *
*****  Full Nottingham Part 2 subscale models for male and then females    ****
> *
*****                                                                      ****
> *
*****                                                                      ****
> *
*****                                          2 Jul 2012    01:02:36    ****
> *
*******************************************************************************
> *
*******************************************************************************
> *


Model for gender==2 and wave == 2
```

```
Logistic regression                                     Number of obs   =        363
                                                        LR chi2(10)     =     131.62
                                                        Prob > chi2     =     0.0000
Log likelihood =  -106.3048                             Pseudo R2       =     0.3824
```

| HP2inthob | Coef. | Std. Err. | z | P>\|z\| | [95% Conf. | Interval] |
|---|---|---|---|---|---|---|
| age | .0576034 | .0164784 | 3.50 | 0.000 | .0253064 | .0899004 |
| avgcumdosew2 | .0687465 | .0893617 | 0.77 | 0.442 | -.1063992 | .2438921 |
| bf4 | -.0162435 | .0495227 | -0.33 | 0.743 | -.1133062 | .0808192 |
| bf30 | .000564 | .0002877 | 1.96 | 0.050 | 2.23e-07 | .0011278 |
| shrelaw2 | -.0168665 | .0063941 | -2.64 | 0.008 | -.0293987 | -.0043342 |
| suprtw2 | -.0130054 | .004409 | -2.95 | 0.003 | -.0216469 | -.0043639 |
| whppain | .0043281 | .0104002 | 0.42 | 0.677 | -.0160559 | .0247121 |
| whpsleep | .0274628 | .0064548 | 4.25 | 0.000 | .0148117 | .0401139 |
| whpel | .0088553 | .006562 | 1.35 | 0.177 | -.0040059 | .0217165 |
| radhlw2 | .0100719 | .0059702 | 1.69 | 0.092 | -.0016294 | .0217732 |
| _cons | -5.973518 | 1.343872 | -4.45 | 0.000 | -8.607459 | -3.339576 |

```
53 .
54 .
55 .
56 . * vacation plans
57 .
58 . di _skip(1)


59 . di as input "For females trimmed vacation plans model on wave2 and d2 is not
   >  signif "
   For females trimmed vacation plans model on wave2 and d2 is not signif

60 . di _skip(1)


61 .   logistic hp2vacatn age  deaw2 shjobw2 bf7m havmil  ///
   >   radhlw2 avgcumdosew2 whppain whpsleep whpel  if ///
   >    gender==2, coef nolog

   Logistic regression                                  Number of obs   =        363
                                                        LR chi2(10)     =      92.19
                                                        Prob > chi2     =     0.0000
   Log likelihood = -121.41941                          Pseudo R2       =     0.2752
```

| hp2vacatn | Coef. | Std. Err. | z | P>\|z\| | [95% Conf. | Interval] |
|---|---|---|---|---|---|---|
| age | .055949 | .0165753 | 3.38 | 0.001 | .0234619 | .088436 |
| deaw2 | .1334005 | .1797698 | 0.74 | 0.458 | -.2189417 | .4857428 |
| shjobw2 | -.0076256 | .0044031 | -1.73 | 0.083 | -.0162555 | .0010042 |
| bf7m | -.000223 | .0002857 | -0.78 | 0.435 | -.0007829 | .0003369 |
| havmil | -.0001227 | .0010664 | -0.12 | 0.908 | -.0022129 | .0019674 |
| radhlw2 | .0168136 | .0060081 | 2.80 | 0.005 | .0050379 | .0285893 |
| avgcumdosew2 | .0422269 | .0909077 | 0.46 | 0.642 | -.1359489 | .2204026 |
| whppain | .0100323 | .0089085 | 1.13 | 0.260 | -.0074281 | .0274926 |
| whpsleep | .0120968 | .0059282 | 2.04 | 0.041 | .0004777 | .0237159 |
| whpel | .0069496 | .0057496 | 1.21 | 0.227 | -.0043194 | .0182185 |
| _cons | -6.120044 | 1.04653 | -5.85 | 0.000 | -8.171205 | -4.068883 |

```
62 .    eststo vacations

63 .
64 .
65 . estout  work hmcare socprobs familyprbs,        cells(b(star fmt(%9.3f)) se(
   > par) t p)                ///
   >                 stats(r2_p bic N, fmt(%9.3f %9.0g) )    ///
   >                 legend collabels(none) varlabels(_cons Constant)  ///
   >                 mlabels(work hmcare socprobs familyprbs  ) ///
   >                                 title("main effects regression coefficients"
   >  ///
   >                  "of reconstructed dose for females in wave 2")

   main effects regression coefficients of reconstructed dose for females in wave
   >  2
```

| | work | hmcare | socprobs | familyprbs |
|---|---|---|---|---|
| **main** | | | | |
| age | 0.013 | 0.037** | 0.038 | 0.043* |
| | (0.014) | (0.013) | (0.019) | (0.018) |
| | 0.963 | 2.786 | 1.944 | 2.326 |
| | 0.335 | 0.005 | 0.052 | 0.020 |
| whppain | 0.028** | 0.011 | 0.034** | 0.014 |
| | (0.010) | (0.008) | (0.013) | (0.010) |
| | 2.806 | 1.378 | 2.688 | 1.434 |
| | 0.005 | 0.168 | 0.007 | 0.152 |
| whpsleep | 0.002 | 0.011* | 0.005 | 0.007 |
| | (0.007) | (0.005) | (0.008) | (0.006) |
| | 0.332 | 2.059 | 0.638 | 1.034 |
| | 0.740 | 0.039 | 0.524 | 0.301 |
| whpel | 0.017** | 0.010* | 0.020** | 0.015* |
| | (0.006) | (0.005) | (0.008) | (0.007) |

| | | | | |
|---|---|---|---|---|
| | 3.022 | 2.028 | 2.608 | 2.175 |
| | 0.003 | 0.043 | 0.009 | 0.030 |
| avgcumdosew2 | -0.016 | 0.079 | 0.008 | 0.002 |
| | (0.050) | (0.087) | (0.054) | (0.104) |
| | -0.312 | 0.906 | 0.156 | 0.018 |
| | 0.755 | 0.365 | 0.876 | 0.986 |
| bf8 | -0.000 | | -0.000 | |
| | (0.000) | | (0.000) | |
| | -1.926 | | -1.367 | |
| | 0.054 | | 0.172 | |
| illw2 | 0.375 | | 0.321 | |
| | (0.238) | | (0.310) | |
| | 1.573 | | 1.036 | |
| | 0.116 | | 0.300 | |
| shjobw2 | 0.003 | -0.003 | 0.012* | |
| | (0.004) | (0.005) | (0.006) | |
| | 0.831 | -0.618 | 2.045 | |
| | 0.406 | 0.537 | 0.041 | |
| radhlw2 | 0.007 | 0.008 | 0.018* | 0.010 |
| | (0.005) | (0.004) | (0.007) | (0.006) |
| | 1.381 | 1.813 | 2.555 | 1.576 |
| | 0.167 | 0.070 | 0.011 | 0.115 |
| havmilsq | | -0.000 | | |
| | | (0.000) | | |
| | | -0.485 | | |
| | | 0.628 | | |
| shhlw2 | | 0.006 | | |
| | | (0.005) | | |
| | | 1.218 | | |
| | | 0.223 | | |
| shrelaw2 | | -0.013* | | |
| | | (0.005) | | |
| | | -2.463 | | |
| | | 0.014 | | |
| suprtw2 | | 0.001 | | |
| | | (0.003) | | |
| | | 0.241 | | |
| | | 0.809 | | |
| bf4 | | | | -0.083 |
| | | | | (0.050) |
| | | | | -1.642 |
| | | | | 0.101 |
| bf40 | | | | -0.209* |
| | | | | (0.102) |
| | | | | -2.059 |
| | | | | 0.039 |
| Constant | -3.455*** | -4.409*** | -7.245*** | -4.841*** |
| | (0.728) | (0.789) | (1.207) | (1.283) |
| | -4.747 | -5.586 | -6.000 | -3.774 |

```
                    0.000           0.000           0.000           0.000
------------------------------------------------------------------------------
r2_p                0.191           0.211           0.366           0.300
bic               338.1512        396.5309        216.8723        248.9322
N                    340             363             340             363
------------------------------------------------------------------------------
* p<0.05, ** p<0.01, *** p<0.001

66 .
67 . estout  sexlife inthobbies vacations,   cells(b(star fmt(%9.3f)) se(par) t p
> )                ///
>                 stats(r2_p bic N, fmt(%9.3f %9.0g) )    ///
>                 legend collabels(none) varlabels(_cons Constant)  ///
>                 mlabels(sexlife intshobbies vacations) ///
>                                 title("main effects regression coefficients"
>  ///
>                  "of reconstructed dose for females in wave 2")

main effects regression coefficients of reconstructed dose for females in wave
>  2
------------------------------------------------------------------------------
                    sexlife     intshobbies       vacations
------------------------------------------------------------------------------
main
age                 0.063***        0.058***        0.056***
                   (0.016)         (0.016)         (0.017)
                     4.001           3.496           3.375
                     0.000           0.000           0.001
bf4                -0.129**        -0.016
                   (0.040)         (0.050)
                    -3.241          -0.328
                     0.001           0.743
illw2               0.249
                   (0.253)
                     0.985
                     0.325
whppain             0.017           0.004           0.010
                   (0.011)         (0.010)         (0.009)
                     1.517           0.416           1.126
                     0.129           0.677           0.260
whpsleep            0.005           0.027***        0.012*
                   (0.007)         (0.006)         (0.006)
                     0.686           4.255           2.041
                     0.492           0.000           0.041
whpel               0.007           0.009           0.007
                   (0.006)         (0.007)         (0.006)
                     1.130           1.349           1.209
                     0.258           0.177           0.227
avgcumdosew2        0.039           0.069           0.042
```

| | | | |
|---|---|---|---|
| | (0.048) | (0.089) | (0.091) |
| | 0.817 | 0.769 | 0.465 |
| | 0.414 | 0.442 | 0.642 |
| radhlw2 | 0.010 | 0.010 | 0.017** |
| | (0.006) | (0.006) | (0.006) |
| | 1.711 | 1.687 | 2.798 |
| | 0.087 | 0.092 | 0.005 |
| bf30 | | 0.001* | |
| | | (0.000) | |
| | | 1.961 | |
| | | 0.050 | |
| shrelaw2 | | -0.017** | |
| | | (0.006) | |
| | | -2.638 | |
| | | 0.008 | |
| suprtw2 | | -0.013** | |
| | | (0.004) | |
| | | -2.950 | |
| | | 0.003 | |
| deaw2 | | | 0.133 |
| | | | (0.180) |
| | | | 0.742 |
| | | | 0.458 |
| shjobw2 | | | -0.008 |
| | | | (0.004) |
| | | | -1.732 |
| | | | 0.083 |
| bf7m | | | -0.000 |
| | | | (0.000) |
| | | | -0.781 |
| | | | 0.435 |
| havmil | | | -0.000 |
| | | | (0.001) |
| | | | -0.115 |
| | | | 0.908 |
| Constant | -4.555*** | -5.974*** | -6.120*** |
| | (1.106) | (1.344) | (1.047) |
| | -4.117 | -4.445 | -5.848 |
| | 0.000 | 0.000 | 0.000 |
| r2_p | 0.349 | 0.382 | 0.275 |
| bic | 275.7083 | 277.448 | 307.6772 |
| N | 340 | 363 | 363 |

* p<0.05, ** p<0.01, *** p<0.001

```
68 .
69 .
```