```
1 . title "Trimmed model summary for females in wave three"

  ********************************************************************************
  > *
  ********************************************************************************
  > *
  *****                                                                      ****
  > *
  *****                                                                      ****
  > *
  *****          Trimmed model summary for females in wave three             ****
  > *
  *****                                                                      ****
  > *
  *****                                                                      ****
  > *
  *****                                          1 Jul 2012    20:51:35    ****
  > *
  ********************************************************************************
  > *
  ********************************************************************************
  > *



2 .
3 . forvalues j=3/3 {
    2. des  age  avgcumdosew`j'
    3. logistic HP2work  age  ///
  >    avgcumdosew3   if gender==2, coef nolog
    4. eststo work
    5. }

                storage  display     value
  variable name   type   format      label      variable label
  ------------------------------------------------------------------------------
  age             double %8.0g                 * Respondent's age
  avgcumdosew3    double %8.0g                   Avg Mean dose of CS137 ending
                                                   12/31/2009

  Logistic regression                               Number of obs   =        363
                                                    LR chi2(2)      =      44.24
                                                    Prob > chi2     =     0.0000
  Log likelihood = -184.44118                       Pseudo R2       =     0.1071
```

HP2work	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
age	.0677348	.01171	5.78	0.000	.0447836	.0906861
avgcumdosew3	.102922	.0642392	1.60	0.109	-.0229846	.2288285
_cons	-4.750307	.6479129	-7.33	0.000	-6.020193	-3.480421

```
4 .
5 . title "Trimmed female homecare in wave three"
```

```
*******************************************************************************
> *
*******************************************************************************
> *
*****                                                                      ****
> *
*****                                                                      ****
> *
*****               Trimmed female homecare in wave three                  ****
> *
*****                                                                      ****
> *
*****                                                                      ****
> *
*****                                          1 Jul 2012    20:51:37    ****
> *
*******************************************************************************
> *
*******************************************************************************
> *
```

```
6 . * Dose work relationship for females in wave 3 washes out also
7 . set more off
```

```
8 . forvalues j=3/3 {
    2. local w3bf bf1 bf4 bf2 bf4m bf5m bf7m bf8 bf15m bf17 bf20 bf22 bf29 bf30
  > bf40
    3. di _skip(4)
    4. di as input "For females hp2hmcare on wave 1 with dose ns"
    5. des  age   avgcumdosew`j' `w3bf'
    6. logistic HP2work  age    radhlw3 ///
  >    avgcumdosew3 shhlw`j'  if gender==2, coef nolog
    7. eststo homecare
    8.
9 . }

  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
  avgcumdosew3    double %8.0g                   Avg Mean dose of CS137 ending
                                                   12/31/2009
  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(4)      =      54.20
                                                    Prob > chi2     =     0.0000
  Log likelihood = -179.46218                       Pseudo R2       =     0.1312
```

HP2work	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
age	.0604261	.0121821	4.96	0.000	.0365495	.0843027
radhlw3	.0091245	.0041171	2.22	0.027	.0010551	.0171938
avgcumdosew3	.0744838	.0646958	1.15	0.250	-.0523177	.2012853
shhlw3	.0068705	.0039339	1.75	0.081	-.0008399	.0145808
_cons	-5.221192	.6904908	-7.56	0.000	-6.574529	-3.867855

```
10 .
11 . title "Trimmed female dose-social problems in wave three model B: Dose is si
   > gnificant"


**************************************************************************
> *
**************************************************************************
> *
*****                                                                  ****
> *
*****                                                                  ****
> *
*****Trimmed female dose-social problems in wave three model B: Dose is signif
> icant*****
*****                                                                  ****
> *
*****                                                                  ****
> *
*****                                          1 Jul 2012    20:51:38  ****
> *
**************************************************************************
> *
**************************************************************************
> *
```

```
12 . set more off

13 .  logit HP2probsoc age radhlw3  illw3  ////
>    shrelaw3 avgcumdosew3 if gender==2

Iteration 0:   log likelihood =  -183.5701
Iteration 1:   log likelihood = -125.28517
Iteration 2:   log likelihood = -117.19625
Iteration 3:   log likelihood = -116.97888
Iteration 4:   log likelihood = -116.97825
Iteration 5:   log likelihood = -116.97825

Logistic regression                                     Number of obs   =        363
                                                        LR chi2(5)      =     133.18
                                                        Prob > chi2     =     0.0000
Log likelihood = -116.97825                             Pseudo R2       =     0.3628

------------------------------------------------------------------------------
  HP2probsoc |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
         age |     .12216   .0187462     6.52   0.000     .0854181    .1589019
     radhlw3 |   .0215768   .0055327     3.90   0.000     .0107328    .0324208
       illw3 |   .2697796   .1359094     1.98   0.047     .0034019    .5361572
    shrelaw3 |  -.0157291   .0056433    -2.79   0.005    -.0267898   -.0046685
avgcumdosew3 |   .3226135   .1095794     2.94   0.003     .1078418    .5373853
       _cons |  -9.764122     1.1857    -8.23   0.000    -12.08805   -7.440193
------------------------------------------------------------------------------

14 . eststo probsoc

15 .
16 .
17 . title "More partly female Trimmed wave 3"  "Dose => Problems with Family at
> home models"


*******************************************************************************
> *
*******************************************************************************
> *
*****                                                                      ****
> *
*****                                                                      ****
> *
*****                  More partly female Trimmed wave 3                   ****
> *
*****            Dose => Problems with Family at home models               ****
> *
*****                                                                      ****
```

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> *
*****                                                                  ****
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********************************************************************************
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```

```
18 . local w3bf bf1 bf4 bf2 bf8 bf15m bf17 bf20 bf22 bf29 bf30 bf40

19 . logit HP2pbfhm age  bf4 bf40  if gender==2, iterate(50)

Iteration 0:   log likelihood = -139.89675
Iteration 1:   log likelihood = -112.36921
Iteration 2:   log likelihood = -106.24923
Iteration 3:   log likelihood = -106.12137
Iteration 4:   log likelihood = -106.12091
Iteration 5:   log likelihood = -106.12091

Logistic regression                             Number of obs   =        363
                                                LR chi2(3)      =      67.55
                                                Prob > chi2     =     0.0000
Log likelihood = -106.12091                     Pseudo R2       =     0.2414

------------------------------------------------------------------------------
    HP2pbfhm |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
         age |   .0636233    .017269     3.68   0.000     .0297767    .0974699
         bf4 |  -.2029758   .0392585    -5.17   0.000    -.2799211   -.1260305
        bf40 |  -.1942568    .091411    -2.13   0.034     -.373419   -.0150946
       _cons |  -3.085643   1.113267    -2.77   0.006    -5.267607   -.9036792
------------------------------------------------------------------------------
```

```
20 . eststo familyprbs

21 .
22 . title "trimmed HP2sexlife main effects models" "wave 3 for H1 part 2 with do
   > se ns"


   ********************************************************************************
   > *
   ********************************************************************************
   > *
   *****                                                                      ****
   > *
   *****                                                                      ****
   > *
   *****               trimmed HP2sexlife main effects models                 ****
   > *
   *****                 wave 3 for H1 part 2 with dose ns                    ****
   > *
   *****                                                                      ****
   > *
   *****                                                                      ****
   > *
   *****                                          1 Jul 2012    20:51:41    ****
   > *
   ********************************************************************************
   > *
   ********************************************************************************
   > *



23 .         logit HP2sxlife age marrw31-marrw36  radhlw3 bf4 bf4m   ///
   >            shfamw3 shrelaw3 avgcumdosew3  if gender==2

   note: marrw36 omitted because of collinearity
   Iteration 0:   log likelihood = -207.62116
   Iteration 1:   log likelihood = -144.17685
   Iteration 2:   log likelihood = -138.48259
   Iteration 3:   log likelihood = -138.36775
   Iteration 4:   log likelihood = -138.36738
   Iteration 5:   log likelihood = -138.36738

   Logistic regression                             Number of obs   =        363
                                                   LR chi2(12)     =     138.51
                                                   Prob > chi2     =     0.0000
   Log likelihood = -138.36738                     Pseudo R2       =     0.3336
```

HP2sxlife	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
age	.0754579	.0170423	4.43	0.000	.0420555	.1088603
marrw31	-.9421212	.8010808	-1.18	0.240	-2.512211	.6279684
marrw32	-.440823	1.344699	-0.33	0.743	-3.076384	2.194738
marrw33	-.9501207	.4286832	-2.22	0.027	-1.790324	-.109917
marrw34	-.9642797	1.745537	-0.55	0.581	-4.38547	2.45691
marrw35	-.8586239	.6388872	-1.34	0.179	-2.11082	.393572
marrw36	0	(omitted)				
radhlw3	.0100484	.0049263	2.04	0.041	.000393	.0197038
bf4	-.5151847	.1744193	-2.95	0.003	-.8570402	-.1733292
bf4m	.3491023	.1586783	2.20	0.028	.0380985	.6601061
shfamw3	.0106246	.0054177	1.96	0.050	6.14e-06	.0212431
shrelaw3	-.0125055	.00593	-2.11	0.035	-.024128	-.0008829
avgcumdosew3	.1255823	.0854354	1.47	0.142	-.0418679	.2930326
_cons	-6.549884	1.704204	-3.84	0.000	-9.890063	-3.209705

```
24 . eststo sexlife

25 .
26 .
27 .
28 . set more off

29 .       logistic HP2inthob age   ///
>                  radhlw3 avgcumdosew3 ///
>                     bf4  ///
>                   if gender==2, coef nolog  difficult iterate(50)

Logistic regression                               Number of obs   =        363
                                                  LR chi2(4)      =      85.17
                                                  Prob > chi2     =     0.0000
Log likelihood = -129.52718                       Pseudo R2       =     0.2474
```

HP2inthob	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
age	.0747817	.0159584	4.69	0.000	.0435038	.1060596
radhlw3	.0177314	.0055334	3.20	0.001	.0068862	.0285766
avgcumdosew3	.0423064	.0679809	0.62	0.534	-.0909337	.1755466
bf4	-.092667	.0312315	-2.97	0.003	-.1538797	-.0314543
_cons	-6.042759	1.092151	-5.53	0.000	-8.183336	-3.902181

```
30 . eststo intshobbies

31 .
32 .  logistic hp2vacatn age  radhlw3 avgcumdosew3   ///
   >   deaw3  suchrw3   ///
   >     if gender==2, coef nolog difficult iterate(50)

   Logistic regression                             Number of obs   =        363
                                                   LR chi2(5)      =      69.60
                                                   Prob > chi2     =     0.0000
   Log likelihood = -132.71672                     Pseudo R2       =     0.2077

------------------------------------------------------------------------------
   hp2vacatn |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
         age |   .0916152   .0157813     5.81   0.000     .0606844    .1225459
     radhlw3 |   .0117344   .0050394     2.33   0.020     .0018573    .0216115
avgcumdosew3 |   .0985606   .0692713     1.42   0.155    -.0372087    .2343299
       deaw3 |   .3433813    .158229     2.17   0.030     .0332581    .6535045
     suchrw3 |  -.0061918   .0037117    -1.67   0.095    -.0134666    .0010831
       _cons |   -7.50211   .9350027    -8.02   0.000    -9.334682   -5.669539
------------------------------------------------------------------------------

33 .   eststo vacations

34 .
35 .
36 . title "Summary of Female Trimmed Main effect models for wave three"

   ********************************************************************************
   > *
   ********************************************************************************
   > *
   *****                                                                      ****
   > *
   *****                                                                      ****
   > *
   *****    Summary of Female Trimmed Main effect models for wave three       ****
   > *
   *****                                                                      ****
   > *
   *****                                                                      ****
   > *
   *****                                          1 Jul 2012    20:51:45    ****
   > *
   ********************************************************************************
   > *
   ********************************************************************************
```

```
> *


37 .
38 .
39 .
40 . set more off

41 . estout  work homecare probsoc familyprbs, cells(b(star fmt(%9.3f)) se(par) t
>  p)  ///
>                 stats(r2_p bic N, fmt(%9.3f %9.0g) labels(Psuedo R^2))  ///
>                 legend collabels(none) varlabels(_cons Constant)  ///
>                 mlabels( work homecare socialprbs famprobs)  ///
>                 title("Trimmed main effect models" ///
>                  "of reconstructed dose on Nottingham Part 2")

Trimmed main effect models of reconstructed dose on Nottingham Part 2
```

	work	homecare	socialprbs	famprobs
main				
age	**0.068*** **	**0.060*** **	**0.122*** **	**0.064*** **
	(0.012)	**(0.012)**	**(0.019)**	**(0.017)**
	5.784	**4.960**	**6.517**	**3.684**
	0.000	**0.000**	**0.000**	**0.000**
avgcumdosew3	**0.103**	**0.074**	**0.323** **	
	(0.064)	**(0.065)**	**(0.110)**	
	1.602	**1.151**	**2.944**	
	0.109	**0.250**	**0.003**	
radhlw3		**0.009***	**0.022*** **	
		(0.004)	**(0.006)**	
		2.216	**3.900**	
		0.027	**0.000**	
shhlw3		**0.007**		
		(0.004)		
		1.746		
		0.081		
illw3			**0.270***	
			(0.136)	
			1.985	
			0.047	
shrelaw3			**-0.016** **	
			(0.006)	
			-2.787	
			0.005	
bf4				**-0.203*** **
				(0.039)
				-5.170

```
                                                                    0.000
bf40                                                               -0.194*
                                                                   (0.091)
                                                                   -2.125
                                                                    0.034
Constant                -4.750***       -5.221***       -9.764***       -3.086**
                        (0.648)         (0.690)         (1.186)         (1.113)
                        -7.332          -7.562          -8.235          -2.772
                         0.000           0.000           0.000           0.006
------------------------------------------------------------------------------
Psuedo                   0.107           0.131           0.363           0.241
R^2                    386.5656        388.3964        269.3229        235.8194
N                           363             363             363             363
------------------------------------------------------------------------------
* p<0.05, ** p<0.01, *** p<0.001

42 . estout  sexlife intshobbies vacations, cells(b(star fmt(%9.3f)) se(par) t p)
   >   ///
   >                 stats(r2_p bic N, fmt(%9.3f %9.0g) labels(Pseudo R^2))  ///
   >                 legend collabels(none) varlabels(_cons Constant)  ///
   >                 mlabels(sexlife intshobbies vacatnPlans)   ///
   >                 title("Trimmed main effect models" ///
   >                  "of reconstructed dose on Nottingham Part 2")

Trimmed main effect models of reconstructed dose on Nottingham Part 2
------------------------------------------------------------
                    sexlife     intshobbies     vacatnPlans
------------------------------------------------------------
main
age                  0.075***        0.075***        0.092***
                    (0.017)         (0.016)         (0.016)
                     4.428           4.686           5.805
                     0.000           0.000           0.000
marrw31             -0.942
                    (0.801)
                    -1.176
                     0.240
marrw32             -0.441
                    (1.345)
                    -0.328
                     0.743
marrw33             -0.950*
                    (0.429)
                    -2.216
                     0.027
marrw34             -0.964
                    (1.746)
                    -0.552
                     0.581
```

marrw35	-0.859		
	(0.639)		
	-1.344		
	0.179		
o.marrw36	0.000		
	(.)		
	.		
	.		
radhlw3	0.010*	0.018**	0.012*
	(0.005)	(0.006)	(0.005)
	2.040	3.204	2.329
	0.041	0.001	0.020
bf4	-0.515**	-0.093**	
	(0.174)	(0.031)	
	-2.954	-2.967	
	0.003	0.003	
bf4m	0.349*		
	(0.159)		
	2.200		
	0.028		
shfamw3	0.011*		
	(0.005)		
	1.961		
	0.050		
shrelaw3	-0.013*		
	(0.006)		
	-2.109		
	0.035		
avgcumdosew3	0.126	0.042	0.099
	(0.085)	(0.068)	(0.069)
	1.470	0.622	1.423
	0.142	0.534	0.155
deaw3			0.343*
			(0.158)
			2.170
			0.030
suchrw3			-0.006
			(0.004)
			-1.668
			0.095
Constant	-6.550***	-6.043***	-7.502***
	(1.704)	(1.092)	(0.935)
	-3.843	-5.533	-8.024
	0.000	0.000	0.000
Pseudo	0.334	0.247	0.208
R^2	353.362	288.5264	300.7999
N	363	363	363

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

43 .
44 .
```