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Trimmed model summary for females in wave three
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2 Jul 2012 01:39:30
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2 .
3 . forvalues j=3/3 {
    2. des age avgcumdosew`j'
    3. logistic HP2work age whppain whpsleep whpel ///
>     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(5) = 75.56
				Prob > chi2 = 0.0000
Log likelihood = -168.78147				Pseudo R2 = 0.1829


```

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 HP2hmcare age radhlw3 whppain whpsleep whpel ///
    > avgcumdosew3 shhlw`j' if gender==2, coef nolog
    7. eststo homecare
    8.
9 . }

```

For females hp2hmcare on wave 1 with dose ns

variable name	storage type	display format	value 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, neiwl - 85) * bf20
bf40	float	%9.0g		bf40 = max(0, icdxcnt - 1.01635E-007)

Logistic regression

Number of obs = 363

LR chi2(7) = 142.15

Prob > chi2 = 0.0000

Log likelihood = -162.65527

Pseudo R2 = 0.3041

HP2hmcare	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
age	.0762004	.0137576	5.54	0.000	.0492359	.1031649
radhlw3	-.011384	.0045467	-2.50	0.012	-.0202953	-.0024726
whppain	.0305469	.0079127	3.86	0.000	.0150384	.0460555
whpsleep	.0059519	.0053577	1.11	0.267	-.004549	.0164528
whpel	.0155623	.0049359	3.15	0.002	.0058882	.0252364
avgcumdosew3	-.1538109	.0807676	-1.90	0.057	-.3121124	.0044906
shhlw3	-.0017739	.0044767	-0.40	0.692	-.0105481	.0070002
_cons	-4.941715	.7104159	-6.96	0.000	-6.334105	-3.549326

10 .

11 . title "Trimmed female dose-social problems in wave three model B: Dose is significant"
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> *
*****Trimmed female dose-social problems in wave three model B: Dose is signif
> icant*****
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2 Jul 2012    01:39:33    *****
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> *
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> *
```

```
12 . set more off
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```
13 . logit HP2probsoc age radhlw3 illw3 whppain whpsleep whpel ///
> shrelaw3 avgcumdosew3 if gender==2
```

```
Iteration 0: log likelihood = -183.5701
Iteration 1: log likelihood = -110.41676
Iteration 2: log likelihood = -98.412924
Iteration 3: log likelihood = -98.014503
Iteration 4: log likelihood = -98.014115
Iteration 5: log likelihood = -98.014115
```

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Logistic regression                                Number of obs   =       363
                                                    LR chi2(8)      =      171.11
                                                    Prob > chi2     =       0.0000
Log likelihood = -98.014115                      Pseudo R2      =       0.4661
```

HP2probsoc	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
age	.0954227	.0199022	4.79	0.000	.0564151	.1344302
radhlw3	.017434	.0060429	2.89	0.004	.0055902	.0292778
illw3	.0007719	.1540062	0.01	0.996	-.3010747	.3026186
whppain	.0351062	.0101183	3.47	0.001	.0152747	.0549377
whpsleep	.0095078	.006517	1.46	0.145	-.0032653	.022281
whpel	.0079034	.0061631	1.28	0.200	-.004176	.0199829
shrelaw3	-.0250873	.0068381	-3.67	0.000	-.0384898	-.0116849
avgcumdosew3	.3835262	.1301319	2.95	0.003	.1284725	.63858
_cons	-9.162625	1.245968	-7.35	0.000	-11.60468	-6.720573

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14 . eststo probsoc
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17 . title "More partly female Trimmed wave 3" "Dose => Problems with Family at
> home models"
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More partly female Trimmed wave 3
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Dose => Problems with Family at home models
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2 Jul 2012 01:39:34
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18 . local w3bf bf1 bf4 bf2 bf8 bf15m bf17 bf20 bf22 bf29 bf30 bf40
```

```
19 . logit HP2pbfhm age bf4 bf40 whppain whpsleep whpel if gender==2, iterate(5
> 0)
```

```

Iteration 0: log likelihood = -139.89675
Iteration 1: log likelihood = -108.37493
Iteration 2: log likelihood = -99.500281
Iteration 3: log likelihood = -99.254811
Iteration 4: log likelihood = -99.253888
Iteration 5: log likelihood = -99.253888

```

Logistic regression	Number of obs	=	363
	LR chi2(6)	=	81.29
	Prob > chi2	=	0.0000
Log likelihood = -99.253888	Pseudo R2	=	0.2905


```

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

```

note: marrw36 omitted because of collinearity

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Iteration 0:  log likelihood = -207.62116
Iteration 1:  log likelihood = -139.67074
Iteration 2:  log likelihood = -134.26006
Iteration 3:  log likelihood =  -134.142
Iteration 4:  log likelihood = -134.1415
Iteration 5:  log likelihood = -134.1415

```

Logistic regression	Number of obs	=	363
	LR chi2(15)	=	146.96
	Prob > chi2	=	0.0000
Log likelihood = -134.1415	Pseudo R2	=	0.3539

HP2sxlife	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
age	.0660599	.0173684	3.80	0.000	.0320184	.1001013
marrw31	-.7750657	.8051795	-0.96	0.336	-2.353189	.8030572
marrw32	-.5543135	1.509928	-0.37	0.714	-3.513718	2.405091
marrw33	-.8571927	.4479079	-1.91	0.056	-1.735076	.0206907
marrw34	-1.151375	1.932016	-0.60	0.551	-4.938057	2.635307
marrw35	-.9741545	.6631019	-1.47	0.142	-2.27381	.3255015
marrw36	0	(omitted)				
radhlw3	.0098674	.0050254	1.96	0.050	.0000177	.019717
bf4	-.424721	.1816098	-2.34	0.019	-.7806698	-.0687723
bf4m	.330643	.1637463	2.02	0.043	.0097062	.6515799
shfamw3	.0084173	.0056467	1.49	0.136	-.0026501	.0194846
shrelaw3	-.0112771	.0061356	-1.84	0.066	-.0233027	.0007486
avgcumdosew3	.1235601	.0889154	1.39	0.165	-.0507108	.2978311
whppain	.0101224	.0088837	1.14	0.255	-.0072893	.027534
whpsleep	.0069356	.0058231	1.19	0.234	-.0044775	.0183487
whpel	.0078955	.0058624	1.35	0.178	-.0035947	.0193857
_cons	-7.257239	1.791488	-4.05	0.000	-10.76849	-3.745988

```
24 . eststo sexlife
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27 .
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```
28 . set more off
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```
29 .      logistic HP2inthob age    ///
>          radhlw3 avgcumdosew3 ///
>          bf4  whppain whpsleep whpel ///
>          if gender==2, coef nolog difficult iterate(50)
```

```
Logistic regression              Number of obs   =          363
                                LR chi2(7)       =         109.34
                                Prob > chi2       =          0.0000
Log likelihood = -117.44332      Pseudo R2      =          0.3176
```

HP2inthob	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
age	.0602163	.0162794	3.70	0.000	.0283093	.0921232
radhlw3	.0172342	.0058644	2.94	0.003	.0057401	.0287282
avgcumdosew3	.0360856	.0689957	0.52	0.601	-.0991436	.1713147
bf4	.0076451	.0448446	0.17	0.865	-.0802487	.095539
whppain	-.0038962	.0097341	-0.40	0.689	-.0229746	.0151822
whpsleep	.0225344	.0059272	3.80	0.000	.0109173	.0341514
whpel	.0126537	.0061617	2.05	0.040	.0005769	.0247305
_cons	-7.350583	1.236556	-5.94	0.000	-9.774187	-4.926978

```
30 . eststo intshobbies
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31 .
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```
32 . logistic hp2vacatn age  radhlw3 avgcumdosew3    ///
>   deaw3  suchrw3  whppain whpsleep whpel ///
>   if gender==2, coef nolog difficult iterate(50)
```

```
Logistic regression              Number of obs   =          363
                                LR chi2(8)       =          89.93
                                Prob > chi2       =          0.0000
Log likelihood = -122.54904      Pseudo R2      =          0.2684
```



```

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	0.042*** (0.013) 3.295 0.001	0.076*** (0.014) 5.539 0.000	0.095*** (0.020) 4.795 0.000	0.047** (0.018) 2.612 0.009
whppain	0.009 (0.007) 1.210 0.226	0.031*** (0.008) 3.861 0.000	0.035*** (0.010) 3.470 0.001	0.014 (0.010) 1.398 0.162
whpsleep	0.010* (0.005) 2.011 0.044	0.006 (0.005) 1.111 0.267	0.010 (0.007) 1.459 0.145	0.008 (0.006) 1.165 0.244
whpel	0.012* (0.005) 2.478 0.013	0.016** (0.005) 3.153 0.002	0.008 (0.006) 1.282 0.200	0.014* (0.007) 2.069 0.039
avgcumdosew3	0.072 (0.067) 1.086 0.277	-0.154 (0.081) -1.904 0.057	0.384** (0.130) 2.947 0.003	
radhlw3		-0.011* (0.005) -2.504 0.012	0.017** (0.006) 2.885 0.004	
shhlw3		-0.002 (0.004) -0.396 0.692		
illw3			0.001 (0.154) 0.005	

shrelaw3			0.996 -0.025*** (0.007) -3.669 0.000	
bf4				-0.097 (0.050) -1.940 0.052
bf40				-0.219* (0.100) -2.201 0.028
Constant	-4.296*** (0.663) -6.478 0.000	-4.942*** (0.710) -6.956 0.000	-9.163*** (1.246) -7.354 0.000	-4.254*** (1.209) -3.519 0.000
Pseudo	0.183	0.304	0.466	0.291
R^2	372.9294	372.4658	249.0779	239.7686
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	0.066*** (0.017) 3.803 0.000	0.060*** (0.016) 3.699 0.000	0.069*** (0.016) 4.242 0.000
marrw31	-0.775 (0.805) -0.963 0.336		
marrw32	-0.554 (1.510) -0.367 0.714		

marrw33	-0.857 (0.448) -1.914 0.056		
marrw34	-1.151 (1.932) -0.596 0.551		
marrw35	-0.974 (0.663) -1.469 0.142		
o.marrw36	0.000 (.) . .		
radhlw3	0.010* (0.005) 1.963 0.050	0.017** (0.006) 2.939 0.003	0.008 (0.005) 1.470 0.141
bf4	-0.425* (0.182) -2.339 0.019	0.008 (0.045) 0.170 0.865	
bf4m	0.331* (0.164) 2.019 0.043		
shfamw3	0.008 (0.006) 1.491 0.136		
shrelaw3	-0.011 (0.006) -1.838 0.066		
avgcumdosew3	0.124 (0.089) 1.390 0.165	0.036 (0.069) 0.523 0.601	0.072 (0.070) 1.038 0.299
whppain	0.010 (0.009) 1.139 0.255	-0.004 (0.010) -0.400 0.689	0.012 (0.009) 1.354 0.176
whpsleep	0.007 (0.006) 1.191 0.234	0.023*** (0.006) 3.802 0.000	0.013* (0.006) 2.132 0.033
whpel	0.008	0.013*	0.006

	(0.006)	(0.006)	(0.006)
	1.347	2.054	1.073
	0.178	0.040	0.283
deaw3			0.369*
			(0.163)
			2.257
			0.024
suchrw3			-0.007
			(0.004)
			-1.807
			0.071
Constant	-7.257***	-7.351***	-6.945***
	(1.791)	(1.237)	(0.937)
	-4.051	-5.944	-7.409
	0.000	0.000	0.000
Pseudo	0.354	0.318	0.268
R^2	362.5934	282.0419	298.1477
N	363	363	363

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

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