log: L:\P2881_Lon eller personalegoder\log\regress\mixlogit_PSM_occup_IIa.txt
opened on: 24 May 2010, 16:53:25

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*Huserorientation_ ==========
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Mixed logit model Number of obs = 20100
LR chi2(10) = 326.93
Log likelihood = -4584.8137 Prob > chi2 = 0.0000

choice	Coef.	Std. Err.	z	P>|z|	[95% Conf. Interval]
Mean					
dispwage	9.563382	.7452675	12.83	0.000	8.102684 11.02408
female_hea~1	.2559204	.148267	1.73	0.084	-.0346777 .5465184
female_hea~2	-.0410538	.1890199	-0.22	0.828	-.411526 .3294184
female_flex1	.4060016	.1867268	2.17	0.030	.0400237 .7719795
female_flex2	.4246686	.1780354	2.39	0.017	.0757256 .7736116
female_2dg	.355604	.2036361	1.75	0.081	-.0435154 .7547234
female_5dg	.2681937	.2002388	1.34	0.180	-.1242672 .6606547
female_2uger	.4008653	.2131771	1.88	0.060	-.0169542 .8186847
female_b25	-.0284678	.1781743	-0.16	0.873	-.377683 .3207473
female_b50	.1021818	.173665	0.59	0.556	-.2381954 .442559
female_pc	-.1058006	.1204301	-0.88	0.380	-.3418394 .1302381
old_health1	-.1721757	.2340439	-0.74	0.462	-.6308933 .286542
old_health2	.1749849	.2950611	0.59	0.553	-.4033243 .753294
old_flex1	.6413434	.3002843	2.14	0.033	.0527969 1.22989
old_flex2	.2425093	.2943789	0.82	0.410	-.3344627 .8194814
old_2dg	-.0682967	.3126988	-0.22	0.827	-.681175 .5445817
old_5dg	.074035	.3050469	0.24	0.808	-.523846 .671916
old_2uger	.0554778	.3236997	0.17	0.864	-.5789619 .6899175
old_b25	.0167706	.2837404	0.06	0.953	-.5393504 .5728915
old_b50	-.5954513	.2831032	-2.10	0.035	-1.150323 -.0405793
old_pc	-.3734209	.1980114	-1.89	0.059	-.7615161 .0146743
lowedu_hea~1	.1338536	.148827	0.90	0.368	-.157842 .4255493
lowedu_hea~2	.4092573	.1899186	2.15	0.031	.0370237 .7814908
lowedu_flex1	-.2668869	.1869401	-1.43	0.153	-.6332828 .099509
lowedu_flex2	-.4785621	.1800221	-2.66	0.008	-.8313988 -.1257254
lowedu_2dg	-.0485295	.2043495	-0.24	0.812	-.4490473 .3519882
lowedu_5dg	-.5033645	.2014502	-2.50	0.012	-.8981997 -.1085293
lowedu_2uger	-.5551227	.2158274	-2.57	0.010	-.9781365 -.1321088
lowedu_b25	.0542801	.1791133	0.30	0.762	-.2967755 .4053357
lowedu_b50	-.2900623	.1756227	-1.65	0.099	-.6342764 .0541518
lowedu_pc	-.120303	.1218363	-0.99	0.323	-.3590977 .1184917
Huserorie~h1	.3156663	.1520611	2.08	0.038	.0176321 .6137005
Huserorie~h2	.7033857	.1962378	3.58	0.000	.3187667 1.088005
Huserorie~x1	-.2708689	.1894638	-1.43	0.153	-.642211 .1004732
Huserorie~x2	.1207454	.1818982	0.66	0.507	-.2357685 .4772593
Huserori~2dg	.1466707	.2065804	0.71	0.478	-.2582195 .5515608
Huserori~5dg	.5007809	.2055451	2.44	0.015	.0979198 .903642
Huserorien~r	.1400164	.2179408	0.64	0.521	-.2871398 .5671726

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Huserorie~25 |   .1657889   .1807539     0.92   0.359    -.1884823    .5200601
Huserorie~50 |  -.1078702   .1769404    -0.61   0.542    -.4546671    .2389267
Huserorien~c |  -.2198632   .1237676    -1.78   0.076    -.4624431    .0227168
     health1 |   .7604874   .1427415     5.33   0.000     .4807192    1.040256
     health2 |   .7171921   .1784876     4.02   0.000     .3673629    1.067021
       flex1 |    2.87653   .2133246    13.48   0.000     2.458422    3.294639
       flex2 |   2.897737   .2149435    13.48   0.000     2.476455    3.319018
      cvt2dg |   .4150177    .190837     2.17   0.030      .040984    .7890513
      cvt5dg |   1.468601   .1930014     7.61   0.000     1.090325    1.846877
    cvt2uger |   .6126594   .2049884     2.99   0.003     .2108895    1.014429
     bonus25 |   1.318451   .1953553     6.75   0.000     .9355621    1.701341
     bonus50 |    1.4047   .1825705     7.69   0.000     1.046868    1.762531
          pc |    .959179   .1223279     7.84   0.000     .7194208    1.198937
-------------+----------------------------------------------------------------
SD           |
     health1 |   .1403973   .3130509     0.45   0.654    -.4731712    .7539658
     health2 |   1.206044   .1974283     6.11   0.000      .819092    1.592997
       flex1 |   1.512923   .1641725     9.22   0.000     1.191151    1.834695
       flex2 |   1.906512   .1745357    10.92   0.000     1.564428    2.248595
      cvt2dg |   1.415697   .2325071     6.09   0.000     .9599916    1.871403
      cvt5dg |   1.275745   .2346048     5.44   0.000     .8159276    1.735561
    cvt2uger |   -1.28289   .2500295    -5.13   0.000    -1.772938   -.7928409
     bonus25 |    .298621   .2482438     1.20   0.229    -.1879279    .7851699
     bonus50 |   1.276568   .2480757     5.15   0.000     .7903485    1.762787
          pc |  -.8008245   .1294684    -6.19   0.000    -1.054578   -.5470712
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=6847.49 13:15:20

. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $sxvar_occup $xvar_user $sHuser if vsamehours==1, group(vid)
rand($randvar) id(id) nrep(100)

Iteration 0:   log likelihood = -4728.7145  (not concave)
Iteration 1:   log likelihood =  -4674.859
Iteration 2:   log likelihood = -4619.8475  (not concave)
Iteration 3:   log likelihood = -4596.0928
Iteration 4:   log likelihood = -4588.7816
Iteration 5:   log likelihood =  -4572.455
Iteration 6:   log likelihood = -4571.0695
Iteration 7:   log likelihood = -4571.0018
Iteration 8:   log likelihood = -4571.0017

Mixed logit model                         Number of obs   =      20100
                                  LR chi2(10)     =     324.20
Log likelihood = -4571.0017               Prob > chi2     =     0.0000

------------------------------------------------------------------------------
      choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Mean         |
    dispwage |   9.558035   .7463992    12.81   0.000      8.09512    11.02095
female_hea~1 |   .2735806   .1502064     1.82   0.069    -.0208186    .5679798
female_hea~2 |  -.0106511   .1922902    -0.06   0.956     -.387533    .3662308
female_flex1 |   .3764852   .1890727     1.99   0.046     .0059095    .7470609
female_flex2 |   .4377997   .1808673     2.42   0.015     .0833062    .7922931
  female_2dg |   .3124631    .204605     1.53   0.127    -.0885553    .7134816
```

female_5dg	.2034117	.2026237	1.00	0.315	-.1937235	.6005469
female_2uger	.3799751	.2157993	1.76	0.078	-.0429838	.8029339
female_b25	-.0172784	.1802711	-0.10	0.924	-.3706034	.3360465
female_b50	.1262895	.1764309	0.72	0.474	-.2195088	.4720877
female_pc	-.0779296	.1216299	-0.64	0.522	-.3163199	.1604607
old_health1	-.174611	.2354611	-0.74	0.458	-.6361062	.2868842
old_health2	.1669791	.2987872	0.56	0.576	-.4186331	.7525913
old_flex1	.6422001	.3015311	2.13	0.033	.0512101	1.23319
old_flex2	.2454448	.2973882	0.83	0.409	-.3374253	.8283148
old_2dg	-.1021397	.3128604	-0.33	0.744	-.7153349	.5110555
old_5dg	.0683017	.3083745	0.22	0.825	-.5361013	.6727047
old_2uger	.029175	.3253296	0.09	0.929	-.6084594	.6668093
old_b25	.0156124	.2847629	0.05	0.956	-.5425128	.5737375
old_b50	-.5863016	.2853066	-2.05	0.040	-1.145492	-.0271109
old_pc	-.3597441	.1984272	-1.81	0.070	-.7486542	.029166
lowedu_hea~1	.1319978	.1496734	0.88	0.378	-.1613567	.4253522
lowedu_hea~2	.403154	.1917101	2.10	0.035	.0274091	.7788989
lowedu_flex1	-.2679769	.1879356	-1.43	0.154	-.6363239	.10037
lowedu_flex2	-.4961484	.1813524	-2.74	0.006	-.8515926	-.1407041
lowedu_2dg	-.0406796	.2045154	-0.20	0.842	-.4415224	.3601632
lowedu_5dg	-.4698614	.2032439	-2.31	0.021	-.8682122	-.0715106
lowedu_2uger	-.5593476	.2167469	-2.58	0.010	-.9841637	-.1345314
lowedu_b25	.0499341	.1796913	0.28	0.781	-.3022543	.4021225
lowedu_b50	-.3018628	.1770371	-1.71	0.088	-.6488491	.0451235
lowedu_pc	-.139638	.1220325	-1.14	0.253	-.3788173	.0995413
s_health1	-.2942008	.4609725	-0.64	0.523	-1.19769	.6092886
s_health2	.6657014	.5544318	1.20	0.230	-.420965	1.752368
s_flex1	.0297979	.5252302	0.06	0.955	-.9996343	1.05923
s_flex2	-.416549	.5061605	-0.82	0.411	-1.408605	.5755073
s_2dg	1.269509	.5755759	2.21	0.027	.1414011	2.397617
s_5dg	1.046479	.5617963	1.86	0.062	-.0546218	2.147579
s_2uger	.4620873	.622246	0.74	0.458	-.7574926	1.681667
s_b25	-.2835263	.4999023	-0.57	0.571	-1.263317	.6962642
s_b50	-.3450844	.52314	-0.66	0.509	-1.37042	.6802512
s_pc	-.1229007	.3437552	-0.36	0.721	-.7966485	.550847
Huserorie~h1	.3138568	.1562599	2.01	0.045	.007593	.6201206
Huserorie~h2	.8315043	.2043348	4.07	0.000	.4310155	1.231993
Huserorie~x1	-.308314	.195311	-1.58	0.114	-.6911166	.0744885
Huserorie~x2	.0972575	.1882172	0.52	0.605	-.2716414	.4661564
Huserori~2dg	.2060834	.2122243	0.97	0.332	-.2098686	.6220354
Huserori~5dg	.4917024	.2126167	2.31	0.021	.0749812	.9084235
Huserorien~r	.1626512	.2240463	0.73	0.468	-.2764714	.6017738
Huserorie~25	.138286	.1862966	0.74	0.458	-.2268487	.5034207
Huserorie~50	-.1100116	.1826145	-0.60	0.547	-.4679295	.2479063
Huserorien~c	-.1764596	.1270966	-1.39	0.165	-.4255644	.0726452
sHuserori~h1	.1480997	.7033298	0.21	0.833	-1.230401	1.526601
sHuserori~h2	-1.917726	.8305905	-2.31	0.021	-3.545653	-.2897986
sHuserori~x1	.8752794	.8604466	1.02	0.309	-.8111649	2.561724
sHuserori~x2	.329839	.763089	0.43	0.666	-1.165788	1.825466
sHuseror~2dg	-.6052195	.902667	-0.67	0.503	-2.374414	1.163975
sHuseror~5dg	.6764303	.9295574	0.73	0.467	-1.145469	2.498329
sHuserorie~r	.2566609	.9965978	0.26	0.797	-1.696635	2.209957
sHuserori~25	.0632687	.7962354	0.08	0.937	-1.497324	1.623861
sHuserori~50	-.1993738	.7807787	-0.26	0.798	-1.729672	1.330924
sHuserorie~c	-.8066254	.5580389	-1.45	0.148	-1.900362	.2871108
health1	.7634147	.1442483	5.29	0.000	.4806932	1.046136
health2	.6725353	.1807579	3.72	0.000	.3182563	1.026814

```
      flex1 |    2.89283   .2157637    13.41   0.000     2.469941    3.315719
      flex2 |    2.93168   .2184097    13.42   0.000     2.503604    3.359755
     cvt2dg |   .3602238   .1920338     1.88   0.061    -.0161554    .7366031
     cvt5dg |   1.421913   .1939137     7.33   0.000     1.041849    1.801977
   cvt2uger |   .6063997   .2068883     2.93   0.003      .200906    1.011893
    bonus25 |   1.328414   .1972559     6.73   0.000     .9417997    1.715029
    bonus50 |   1.428123   .1846229     7.74   0.000     1.066268    1.789977
         pc |   .9608363   .1233783     7.79   0.000     .7190193    1.202653
------------+----------------------------------------------------------------
SD          |
    health1 |   .1825745   .3063801     0.60   0.551    -.4179195    .7830684
    health2 |   1.235937   .1945482     6.35   0.000     .8546298    1.617245
      flex1 |    1.51151   .1646464     9.18   0.000     1.188809    1.834211
      flex2 |   1.924972   .1743925    11.04   0.000     1.583169    2.266775
     cvt2dg |   1.352057   .2370182     5.70   0.000     .8875096    1.816604
     cvt5dg |   1.291579   .2334795     5.53   0.000     .8339672     1.74919
   cvt2uger |  -1.310307   .2492096    -5.26   0.000    -1.798748   -.8218648
    bonus25 |   .3018127   .2540974     1.19   0.235     -.196209    .7998343
    bonus50 |   1.274346      .2432     5.24   0.000     .7976831     1.75101
         pc |  -.7839928   .1326008    -5.91   0.000    -1.043886   -.5241001
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=11338.92 16:24:19

. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $uxvar_occup $xvar_user $uHuser if vsamehours==1, group(vid)
rand($randvar) id(id) nrep(100)

Iteration 0:   log likelihood = -4730.0975  (not concave)
Iteration 1:   log likelihood = -4678.9322
Iteration 2:   log likelihood = -4610.0537  (not concave)
Iteration 3:   log likelihood = -4597.5496
Iteration 4:   log likelihood =  -4591.656
Iteration 5:   log likelihood = -4574.0782
Iteration 6:   log likelihood = -4572.4508
Iteration 7:   log likelihood = -4572.3723
Iteration 8:   log likelihood = -4572.3722

Mixed logit model                         Number of obs   =      20100
                                  LR chi2(10)     =     324.15
Log likelihood = -4572.3722               Prob > chi2     =     0.0000

------------------------------------------------------------------------------
      choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Mean         |
    dispwage |   9.728213   .7637465    12.74   0.000     8.231297    11.22513
female_hea~1 |   .2499625   .1494481     1.67   0.094    -.0429504    .5428754
female_hea~2 |  -.0814039   .1907981    -0.43   0.670    -.4553613    .2925534
female_flex1 |   .4547696   .1892482     2.40   0.016      .08385    .8256892
female_flex2 |   .4594042   .1797596     2.56   0.011     .1070818    .8117265
  female_2dg |   .3294017   .2049319     1.61   0.108    -.0722574    .7310609
  female_5dg |   .2509126   .2027324     1.24   0.216    -.1464356    .6482607
female_2uger |   .3885753   .2152593     1.81   0.071    -.0333252    .8104758
  female_b25 |  -.0188408   .1804974    -0.10   0.917    -.3726092    .3349277
  female_b50 |   .1126939   .1756349     0.64   0.521    -.2315443     .456932
   female_pc |  -.0959234   .1216643    -0.79   0.430    -.3343811    .1425343
```

old_health1	-.2111726	.2377043	-0.89	0.374	-.6770644	.2547192
old_health2	.1442268	.2993743	0.48	0.630	-.4425361	.7309897
old_flex1	.702508	.3042082	2.31	0.021	.1062708	1.298745
old_flex2	.2610274	.2982173	0.88	0.381	-.3234677	.8455226
old_2dg	-.0652446	.3146884	-0.21	0.836	-.6820225	.5515333
old_5dg	.0740983	.3093003	0.24	0.811	-.5321191	.6803157
old_2uger	.0834553	.3261993	0.26	0.798	-.5558836	.7227943
old_b25	-.0070416	.2868987	-0.02	0.980	-.5693527	.5552694
old_b50	-.5722699	.2887611	-1.98	0.048	-1.138231	-.0063086
old_pc	-.3872817	.1996718	-1.94	0.052	-.7786311	.0040678
lowedu_hea~1	.1645837	.1571866	1.05	0.295	-.1434964	.4726637
lowedu_hea~2	.4684376	.2014622	2.33	0.020	.073579	.8632963
lowedu_flex1	-.3732544	.1971339	-1.89	0.058	-.7596297	.0131209
lowedu_flex2	-.6379417	.1921115	-3.32	0.001	-1.014473	-.26141
lowedu_2dg	-.0102617	.2141076	-0.05	0.962	-.4299048	.4093815
lowedu_5dg	-.5157362	.2123973	-2.43	0.015	-.9320273	-.0994452
lowedu_2uger	-.52344	.2271202	-2.30	0.021	-.9685875	-.0782925
lowedu_b25	.0527987	.1889136	0.28	0.780	-.3174651	.4230625
lowedu_b50	-.3601646	.1872139	-1.92	0.054	-.7270971	.0067679
lowedu_pc	-.1554077	.1278071	-1.22	0.224	-.405905	.0950896
u_health1	-.2343547	.3176561	-0.74	0.461	-.8569492	.3882398
u_health2	.043609	.3867882	0.11	0.910	-.714482	.8017001
u_flex1	-.2751498	.3982576	-0.69	0.490	-1.05572	.5054208
u_flex2	-.746145	.3733481	-2.00	0.046	-1.477894	-.0143962
u_2dg	.5490379	.4343365	1.26	0.206	-.3022459	1.400322
u_5dg	.1717103	.4332901	0.40	0.692	-.6775227	1.020943
u_2uger	-.0386541	.4509528	-0.09	0.932	-.9225053	.8451971
u_b25	-.0945423	.3842622	-0.25	0.806	-.8476824	.6585977
u_b50	-.6256297	.3703466	-1.69	0.091	-1.351496	.1002363
u_pc	.0872821	.2587506	0.34	0.736	-.4198598	.5944241
Huserorie~h1	.2275513	.1600677	1.42	0.155	-.0861755	.5412782
Huserorie~h2	.6546421	.2072692	3.16	0.002	.248402	1.060882
Huserorie~x1	-.222361	.199909	-1.11	0.266	-.6141755	.1694534
Huserorie~x2	.1219217	.1929153	0.63	0.527	-.2561855	.5000288
Huserori~2dg	.228527	.2172354	1.05	0.293	-.1972466	.6543006
Huserori~5dg	.5577201	.2170597	2.57	0.010	.1322909	.9831493
Huserorien~r	.0902962	.2307071	0.39	0.696	-.3618814	.5424739
Huserorie~25	.1407881	.1906895	0.74	0.460	-.2329564	.5145327
Huserorie~50	-.1905569	.1881146	-1.01	0.311	-.5592546	.1781409
Huserorien~c	-.158293	.1301412	-1.22	0.224	-.4133651	.096779
uHuserori~h1	1.166745	.5332922	2.19	0.029	.1215111	2.211978
uHuserori~h2	.5774938	.6491962	0.89	0.374	-.6949075	1.849895
uHuserori~x1	-.729495	.6570011	-1.11	0.267	-2.017193	.5582034
uHuserori~x2	-.1376323	.5979833	-0.23	0.818	-1.309658	1.034393
uHuseror~2dg	-.90337	.7371137	-1.23	0.220	-2.348086	.5413464
uHuseror~5dg	-.6494912	.7383187	-0.88	0.379	-2.096569	.7975868
uHuserorie~r	.6200752	.7518753	0.82	0.410	-.8535732	2.093724
uHuserori~25	.3577138	.6431144	0.56	0.578	-.9027673	1.618195
uHuserori~50	.9302091	.6025332	1.54	0.123	-.2507342	2.111152
uHuserorie~c	-.7594406	.4372218	-1.74	0.082	-1.61638	.0974984
health1	.7872132	.1518131	5.19	0.000	.489665	1.084761
health2	.7233403	.1918197	3.77	0.000	.3473806	1.0993
flex1	2.951283	.2252394	13.10	0.000	2.509822	3.392744
flex2	3.06283	.2338966	13.09	0.000	2.604401	3.521259
cvt2dg	.3488215	.2025232	1.72	0.085	-.0481166	.7457597
cvt5dg	1.472118	.2058876	7.15	0.000	1.068586	1.875651
cvt2uger	.6228744	.2173273	2.87	0.004	.1969206	1.048828

```
    bonus25 |   1.346502   .2064162     6.52   0.000     .9419336     1.75107
    bonus50 |   1.519389   .1977294     7.68   0.000     1.131846    1.906931
       pc |    .964798   .1281687     7.53   0.000      .713592    1.216004
-------------+----------------------------------------------------------------
SD          |
    health1 |    .084072   .3211551     0.26   0.793    -.5453805    .7135245
    health2 |    1.23074   .2001307     6.15   0.000     .8384909    1.622989
     flex1 |   1.518232   .1666176     9.11   0.000     1.191667    1.844796
     flex2 |   1.910927   .1761068    10.85   0.000     1.565764     2.25609
     cvt2dg |    1.38347   .2351184     5.88   0.000     .9226463    1.844294
     cvt5dg |   1.304715    .239281     5.45   0.000     .8357334    1.773698
   cvt2uger |  -1.323956   .2454994    -5.39   0.000    -1.805126   -.8427859
    bonus25 |   .3448296   .2425566     1.42   0.155    -.1305727    .8202318
    bonus50 |   1.309906   .2441922     5.36   0.000     .8312982    1.788514
       pc |  -.8106883   .1300452    -6.23   0.000    -1.065572   -.5558043
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=11281.90 19:32:21

. *clogit choice dispwage $xvar1 $xvar2 $xvar3  $randvar if vsamehours==1, group(vid)
. *mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $xvar_user         if vsamehours==1, group(vid) rand($randvar)
id(id) nrep(100)
. *mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $sxvar_occup $xvar_user $sHuser if vsamehours==1,
group(vid) rand($randvar) id(id) nrep(100)
. *mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $uxvar_occup $xvar_user $uHuser if vsamehours==1,
group(vid) rand($randvar) id(id) nrep(100)
. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $axvar_occup $xvar_user $aHuser if vsamehours==1, group(vid)
rand($randvar) id(id) nrep(100)

Iteration 0:   log likelihood = -4727.7934  (not concave)
Iteration 1:   log likelihood = -4681.2547
Iteration 2:   log likelihood = -4602.4156  (not concave)
Iteration 3:   log likelihood = -4596.8638
Iteration 4:   log likelihood = -4581.8514
Iteration 5:   log likelihood = -4572.6443
Iteration 6:   log likelihood = -4572.3161
Iteration 7:   log likelihood = -4572.2523
Iteration 8:   log likelihood =  -4572.252

Mixed logit model                         Number of obs   =      20100
                                  LR chi2(10)     =     319.75
Log likelihood =  -4572.252               Prob > chi2     =     0.0000

------------------------------------------------------------------------------
     choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Mean        |
   dispwage |   9.566273   .7475381    12.80   0.000     8.101125    11.03142
female_hea~1 |   .2648666   .1483406     1.79   0.074    -.0258757     .555609
female_hea~2 |  -.0548499   .1899337    -0.29   0.773    -.4271131    .3174132
female_flex1 |   .3611652   .1864299     1.94   0.053    -.0042306    .7265611
female_flex2 |   .3544328   .1786355     1.98   0.047     .0043137    .7045519
  female_2dg |   .3836189   .2045915     1.88   0.061     -.017373    .7846108
  female_5dg |   .2318569   .2009654     1.15   0.249    -.1620281    .6257418
female_2uger |   .3941226   .2137261     1.84   0.065    -.0247728    .8130181
  female_b25 |  -.0569252   .1788263    -0.32   0.750    -.4074184    .2935679
```

female_b50	.1022747	.1732214	0.59	0.555	-.237233	.4417823
female_pc	-.1122694	.1205605	-0.93	0.352	-.3485636	.1240247
old_health1	-.149238	.2339926	-0.64	0.524	-.6078551	.3093791
old_health2	.1850098	.2937598	0.63	0.529	-.3907489	.7607685
old_flex1	.6106221	.2992052	2.04	0.041	.0241907	1.197054
old_flex2	.249629	.2936596	0.85	0.395	-.3259333	.8251913
old_2dg	-.0527909	.3126074	-0.17	0.866	-.6654901	.5599084
old_5dg	.0742017	.304596	0.24	0.808	-.5227954	.6711988
old_2uger	.0510821	.322727	0.16	0.874	-.5814512	.6836155
old_b25	.0130918	.2838307	0.05	0.963	-.5432062	.5693897
old_b50	-.587921	.2814219	-2.09	0.037	-1.139498	-.0363442
old_pc	-.373347	.1971826	-1.89	0.058	-.7598177	.0131238
lowedu_hea~1	.1475685	.148643	0.99	0.321	-.1437663	.4389034
lowedu_hea~2	.3819578	.1894781	2.02	0.044	.0105874	.7533281
lowedu_flex1	-.2787627	.1862563	-1.50	0.134	-.6438183	.0862929
lowedu_flex2	-.5051715	.1802295	-2.80	0.005	-.8584149	-.1519281
lowedu_2dg	-.0407827	.2040371	-0.20	0.842	-.4406881	.3591227
lowedu_5dg	-.5274671	.2020251	-2.61	0.009	-.9234291	-.1315052
lowedu_2uger	-.5613632	.2153777	-2.61	0.009	-.9834956	-.1392307
lowedu_b25	.0482176	.1789885	0.27	0.788	-.3025934	.3990286
lowedu_b50	-.2845664	.1752313	-1.62	0.104	-.6280134	.0588807
lowedu_pc	-.1144407	.1214085	-0.94	0.346	-.352397	.1235157
a_health1	-.0190382	.2397608	-0.08	0.937	-.4889607	.4508842
a_health2	.5070348	.316192	1.60	0.109	-.1126901	1.12676
a_flex1	.2059082	.3058908	0.67	0.501	-.3936268	.8054432
a_flex2	.5965215	.2868975	2.08	0.038	.0342127	1.15883
a_2dg	-.1189095	.3402389	-0.35	0.727	-.7857655	.5479466
a_5dg	.2747522	.3530765	0.78	0.436	-.417265	.9667694
a_2uger	.2816005	.3317877	0.85	0.396	-.3686915	.9318926
a_b25	.1433172	.2864166	0.50	0.617	-.418049	.7046835
a_b50	.2439683	.2917232	0.84	0.403	-.3277986	.8157353
a_pc	.0373849	.1829451	0.20	0.838	-.3211809	.3959507
Huserorie~h1	.3481479	.1602125	2.17	0.030	.0341372	.6621586
Huserorie~h2	.7286575	.2073273	3.51	0.000	.3223035	1.135011
Huserorie~x1	-.3383809	.1994843	-1.70	0.090	-.7293631	.0526012
Huserorie~x2	.1580012	.1920321	0.82	0.411	-.2183749	.5343773
Huserori~2dg	.1065953	.2183341	0.49	0.625	-.3213317	.5345224
Huserori~5dg	.480952	.2182895	2.20	0.028	.0531125	.9087915
Huserorien~r	.1958457	.230053	0.85	0.395	-.2550498	.6467412
Huserorie~25	.1798259	.1903586	0.94	0.345	-.19327	.5529219
Huserorie~50	-.0125543	.1869606	-0.07	0.946	-.3789904	.3538819
Huserorien~c	-.2460797	.1300611	-1.89	0.058	-.5009948	.0088354
aHuserori~h1	-.3348956	.3828586	-0.87	0.382	-1.085285	.4154934
aHuserori~h2	-.3588191	.4917979	-0.73	0.466	-1.322725	.605087
aHuserori~x1	.6148188	.4833153	1.27	0.203	-.3324618	1.562099
aHuserori~x2	-.0855274	.4611058	-0.19	0.853	-.9892782	.8182234
aHuseror~2dg	.2688212	.5110963	0.53	0.599	-.7329091	1.270551
aHuseror~5dg	.1546923	.530604	0.29	0.771	-.8852724	1.194657
aHuserorie~r	-.3026893	.5545558	-0.55	0.585	-1.389599	.7842202
aHuserori~25	.0395494	.4667402	0.08	0.932	-.8752445	.9543434
aHuserori~50	-.6396746	.4364195	-1.47	0.143	-1.495041	.2156918
aHuserorie~c	.1288251	.3165819	0.41	0.684	-.491664	.7493143
health1	.75443	.146307	5.16	0.000	.4676736	1.041186
health2	.6737017	.1817912	3.71	0.000	.3173976	1.030006
flex1	2.857436	.2152284	13.28	0.000	2.435596	3.279276
flex2	2.836926	.2167002	13.09	0.000	2.412202	3.261651
cvt2dg	.4132101	.195156	2.12	0.034	.0307114	.7957087

```
     cvt5dg |   1.454468   .1970686     7.38   0.000     1.068221    1.840715
    cvt2uger |   .5702058   .2089982     2.73   0.006     .1605768    .9798347
     bonus25 |   1.305251    .198182     6.59   0.000     .9168213     1.69368
     bonus50 |   1.360256    .184974     7.35   0.000     .9977132    1.722798
          pc |   .9543397   .1248482     7.64   0.000     .7096417    1.199038
-------------+----------------------------------------------------------------
SD           |
     health1 |   .1038874   .3183431     0.33   0.744    -.5200536    .7278283
     health2 |   1.177262   .2015422     5.84   0.000      .782247    1.572278
      flex1 |   1.498349   .1635193     9.16   0.000     1.177857    1.818841
      flex2 |   1.894931   .1745718    10.85   0.000     1.552776    2.237085
     cvt2dg |    1.40077   .2326843     6.02   0.000     .9447174    1.856823
     cvt5dg |   1.301412   .2395372     5.43   0.000     .8319273    1.770896
    cvt2uger |  -1.277996   .2511549    -5.09   0.000     -1.77025   -.7857409
     bonus25 |   .2894851   .2534892     1.14   0.253    -.2073447    .7863148
     bonus50 |   1.235589   .2549452     4.85   0.000     .7359055    1.735272
          pc |  -.7874478   .1317675    -5.98   0.000    -1.045707   -.5291882
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=11322.26 17:00:27




==============================================================================
. *Hcompassion_ ============================================================
==============================================================================

. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $xvar_compassion          if vsamehours==1, group(vid)
rand($randvar) id(id) nrep(100)

Iteration 0:   log likelihood = -4749.0782  (not concave)
Iteration 1:   log likelihood = -4695.6274
Iteration 2:   log likelihood = -4622.6138  (not concave)
Iteration 3:   log likelihood = -4614.0102  (not concave)
Iteration 4:   log likelihood = -4612.3584
Iteration 5:   log likelihood = -4590.6087
Iteration 6:   log likelihood = -4586.4129
Iteration 7:   log likelihood = -4586.2279
Iteration 8:   log likelihood = -4586.2248
Iteration 9:   log likelihood = -4586.2247

Mixed logit model                         Number of obs   =      20100
                                  LR chi2(10)     =     334.62
Log likelihood = -4586.2247               Prob > chi2     =     0.0000

------------------------------------------------------------------------------
      choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Mean         |
    dispwage |   9.593547   .7505643    12.78   0.000     8.122468    11.06463
female_hea~1 |   .2333414    .151153     1.54   0.123    -.0629129    .5295958
female_hea~2 |   -.051343   .1937159    -0.27   0.791    -.4310192    .3283332
female_flex1 |   .3951093   .1893857     2.09   0.037     .0239201    .7662986
female_flex2 |   .4445298   .1826969     2.43   0.015     .0864504    .8026092
  female_2dg |   .3246599   .2075685     1.56   0.118    -.0821669    .7314866
```

```
  female_5dg |   .2224887    .204901     1.09   0.278     -.17911    .6240873
female_2uger |   .3736385   .2170897     1.72   0.085    -.0518495    .7991266
  female_b25 |  -.0242073   .1816362    -0.13   0.894    -.3802077    .3317931
  female_b50 |   .2395316   .1797598     1.33   0.183     -.112791    .5918543
   female_pc |  -.1210341   .1229331    -0.98   0.325    -.3619786    .1199103
 old_health1 |  -.1430739   .2354969    -0.61   0.543    -.6046393    .3184915
 old_health2 |   .2710964   .2969655     0.91   0.361    -.3109452     .853138
   old_flex1 |   .5943036   .2993718     1.99   0.047     .0075457    1.181062
   old_flex2 |   .2838589   .2942736     0.96   0.335    -.2929068    .8606246
    old_2dg |  -.0729725   .3142309    -0.23   0.816    -.6888538    .5429089
    old_5dg |   .1534066   .3077298     0.50   0.618    -.4497326    .7565459
  old_2uger |   .0710929   .3237021     0.22   0.826    -.5633516    .7055374
    old_b25 |   .0151761   .2846321     0.05   0.957    -.5426926    .5730448
    old_b50 |  -.5754476    .286486    -2.01   0.045    -1.13695   -.0139453
     old_pc |  -.4090061   .1982463    -2.06   0.039    -.7975617   -.0204505
lowedu_hea~1 |   .1809389   .1482211     1.22   0.222    -.1095691    .4714468
lowedu_hea~2 |   .5428823   .1907681     2.85   0.004     .1689838    .9167809
lowedu_flex1 |  -.3126833   .1861695    -1.68   0.093    -.6775688    .0522022
lowedu_flex2 |  -.4661506   .1789435    -2.61   0.009    -.8168734   -.1154277
 lowedu_2dg |   .0003373    .204737     0.00   0.999    -.4009399    .4016145
 lowedu_5dg |  -.4153214   .2013827    -2.06   0.039    -.8100242   -.0206187
lowedu_2uger |  -.5182031   .2144913    -2.42   0.016    -.9385984   -.0978078
 lowedu_b25 |   .0797626   .1783179     0.45   0.655     -.269734    .4292592
 lowedu_b50 |   -.336309   .1767566    -1.90   0.057    -.6827456    .0101275
  lowedu_pc |  -.1617167   .1209143    -1.34   0.181    -.3987043    .0752708
Hcompassi~h1 |   .2133912      .1513     1.41   0.158    -.0831513    .5099337
Hcompassi~h2 |   .4249841   .1937094     2.19   0.028     .0453207    .8046474
Hcompassi~x1 |  -.0463628   .1880454    -0.25   0.805    -.4149249    .3221994
Hcompassi~x2 |  -.0011457   .1813783    -0.01   0.995    -.3566407    .3543492
Hcompass~2dg |   .2674576   .2072492     1.29   0.197    -.1387434    .6736587
Hcompass~5dg |   .4742794   .2057364     2.31   0.021     .0710434    .8775153
Hcompassio~r |   .2731129    .21656     1.26   0.207    -.1513368    .6975627
Hcompassi~25 |   .0184025   .1805696     0.10   0.919    -.3355074    .3723125
Hcompassi~50 |  -.6301243   .1828652    -3.45   0.001    -.9885335   -.2717152
Hcompassio~c |  -.0191551   .1229312    -0.16   0.876    -.2600958    .2217855
    health1 |   .7757054   .1507838     5.14   0.000     .4801745    1.071236
    health2 |   .7205991   .1897884     3.80   0.000     .3486207    1.092578
      flex1 |   2.824095   .2226882    12.68   0.000     2.387634    3.260556
      flex2 |   2.938492    .222435    13.21   0.000     2.502528    3.374457
     cvt2dg |   .3418691   .2032777     1.68   0.093    -.0565478     .740286
     cvt5dg |   1.417151   .2038907     6.95   0.000     1.017533    1.816769
   cvt2uger |   .5401227   .2150759     2.51   0.012     .1185816    .9616637
    bonus25 |   1.371086   .2051325     6.68   0.000     .9690335    1.773138
    bonus50 |   1.641657   .1970115     8.33   0.000     1.255522    2.027793
         pc |   .9048663    .127651     7.09   0.000     .6546748    1.155058
-------------+----------------------------------------------------------------
SD           |
    health1 |   .0918692   .3399035     0.27   0.787    -.5743294    .7580678
    health2 |   1.228944   .1991555     6.17   0.000     .8386064    1.619282
      flex1 |   1.496198   .1647018     9.08   0.000     1.173388    1.819008
      flex2 |   1.911842   .1724521    11.09   0.000     1.573842    2.249842
     cvt2dg |   1.443463    .232525     6.21   0.000     .9877225    1.899204
     cvt5dg |   1.273993   .2326222     5.48   0.000     .8180621    1.729924
   cvt2uger |  -1.270802   .2478104    -5.13   0.000    -1.756502   -.7851028
    bonus25 |   .3208024   .2443945     1.31   0.189     -.158202    .7998069
    bonus50 |   1.335513   .2345551     5.69   0.000     .8757935    1.795233
         pc |  -.8122091   .1288045    -6.31   0.000    -1.064661   -.5597569
```

The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=7559.45 21:46:59

. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $sxvar_occup $xvar_compassion $sHcompas if vsamehours==1,
group(vid) rand($randvar) id(id) nre
> p(100)

Iteration 0: log likelihood = -4729.1706 (not concave)
Iteration 1: log likelihood = -4687.2637
Iteration 2: log likelihood = -4601.8974 (not concave)
Iteration 3: log likelihood = -4600.6777
Iteration 4: log likelihood = -4577.619
Iteration 5: log likelihood = -4570.337
Iteration 6: log likelihood = -4569.9481
Iteration 7: log likelihood = -4569.9377
Iteration 8: log likelihood = -4569.9377

Mixed logit model Number of obs = 20100
LR chi2(10) = 327.35
Log likelihood = -4569.9377 Prob > chi2 = 0.0000

choice	Coef.	Std. Err.	z	P>|z|	[95% Conf.	Interval]
Mean						
dispwage	9.455596	.7429962	12.73	0.000	7.999351	10.91184
female_hea~1	.2509804	.1520042	1.65	0.099	-.0469423	.5489032
female_hea~2	-.0031631	.1963242	-0.02	0.987	-.3879515	.3816253
female_flex1	.3585881	.1899235	1.89	0.059	-.0136551	.7308313
female_flex2	.4645584	.1845936	2.52	0.012	.1027615	.8263553
female_2dg	.2880091	.2077522	1.39	0.166	-.1191778	.695196
female_5dg	.155196	.2060259	0.75	0.451	-.2486074	.5589995
female_2uger	.3616331	.2174917	1.66	0.096	-.0646428	.7879089
female_b25	-.021509	.1826163	-0.12	0.906	-.3794304	.3364124
female_b50	.264566	.1815756	1.46	0.145	-.0913157	.6204476
female_pc	-.0936836	.1236464	-0.76	0.449	-.3360261	.148659
old_health1	-.1362956	.2354287	-0.58	0.563	-.5977274	.3251363
old_health2	.2922619	.2997403	0.98	0.330	-.2952182	.8797421
old_flex1	.5763306	.2989911	1.93	0.054	-.0096812	1.162342
old_flex2	.3002748	.2954206	1.02	0.309	-.2787388	.8792885
old_2dg	-.1003527	.3134259	-0.32	0.749	-.7146562	.5139507
old_5dg	.1797836	.3099955	0.58	0.562	-.4277964	.7873635
old_2uger	.0511153	.3222728	0.16	0.874	-.5805278	.6827584
old_b25	.0245193	.2840297	0.09	0.931	-.5321686	.5812072
old_b50	-.5740077	.2875386	-2.00	0.046	-1.137573	-.0104424
old_pc	-.4110047	.1978687	-2.08	0.038	-.7988203	-.023189
lowedu_hea~1	.1631988	.1483601	1.10	0.271	-.1275817	.4539793
lowedu_hea~2	.5364675	.1918862	2.80	0.005	.1603774	.9125576
lowedu_flex1	-.3090026	.1859322	-1.66	0.097	-.6734231	.0554178
lowedu_flex2	-.4858631	.1792556	-2.71	0.007	-.8371976	-.1345286
lowedu_2dg	.0264109	.2041917	0.13	0.897	-.3737974	.4266192
lowedu_5dg	-.3908118	.2016857	-1.94	0.053	-.7861085	.0044849
lowedu_2uger	-.4918766	.2139181	-2.30	0.021	-.9111484	-.0726048
lowedu_b25	.0658213	.1782206	0.37	0.712	-.2834846	.4151271
lowedu_b50	-.3604182	.1773031	-2.03	0.042	-.7079258	-.0129105

```
   lowedu_pc |  -.1683388   .1207453    -1.39   0.163    -.4049951    .0683176
   s_health1 |  -.3911365   .5990438    -0.65   0.514    -1.565241    .7829678
   s_health2 |   .6101218   .7463136     0.82   0.414     -.852626     2.07287
    s_flex1 |  -.3736577   .6699454    -0.56   0.577    -1.686727    .9394111
    s_flex2 |  -1.317963   .6945455    -1.90   0.058    -2.679247    .0433212
     s_2dg |   1.155072   .7879813     1.47   0.143    -.3893432    2.699487
     s_5dg |   .0073498   .7321358     0.01   0.992     -1.42761     1.44231
    s_2uger |   1.307333   .7869045     1.66   0.097    -.2349718    2.849637
     s_b25 |  -.3957018   .6356356    -0.62   0.534    -1.641525    .8501211
     s_b50 |  -.3218276   .7400847    -0.43   0.664    -1.772367    1.128712
      s_pc |  -.6869375   .4348218    -1.58   0.114    -1.539173    .1652975
Hcompassi~h1 |   .206714   .1542571     1.34   0.180    -.0956244    .5090524
Hcompassi~h2 |   .4775403   .1987301     2.40   0.016     .0880366    .8670441
Hcompassi~x1 |  -.1081592   .1919955    -0.56   0.573    -.4844634     .268145
Hcompassi~x2 |  -.0843783   .1861642    -0.45   0.650    -.4492535    .2804969
Hcompass~2dg |   .2541416   .2114073     1.20   0.229    -.1602091    .6684922
Hcompass~5dg |   .3423576   .2098533     1.63   0.103    -.0689474    .7536625
Hcompassio~r |   .3328719   .2204551     1.51   0.131    -.0992121    .7649559
Hcompassi~25 |  -.0041128   .1846364    -0.02   0.982    -.3659935     .357768
Hcompassi~50 |  -.6247621    .186898    -3.34   0.001    -.9910755   -.2584488
Hcompassio~c |   -.02989   .1257514    -0.24   0.812    -.2763581    .2165782
sHcompass~h1 |   .1389956   .7466057     0.19   0.852    -1.324325    1.602316
sHcompass~h2 |  -1.283047   .9283011    -1.38   0.167    -3.102484    .5363897
sHcompass~x1 |   1.413683    .862087     1.64   0.101    -.2759763    3.103343
sHcompass~x2 |   1.795092   .8532118     2.10   0.035     .1228271    3.467356
sHcompas~2dg |  -.0792827   .9697068    -0.08   0.935    -1.979873    1.821308
sHcompas~5dg |   2.063592   .9816877     2.10   0.036     .1395192    3.987664
sHcompassi~r |  -1.361649   1.037099    -1.31   0.189    -3.394326    .6710276
sHcompass~25 |   .4323367   .8307768     0.52   0.603    -1.195956    2.060629
sHcompass~50 |   .2204403   .8873875     0.25   0.804    -1.518807    1.959688
sHcompassi~c |   .5380966   .5583333     0.96   0.335    -.5562165     1.63241
    health1 |   .7809905   .1518421     5.14   0.000     .4833855    1.078595
    health2 |   .6748931   .1921949     3.51   0.000      .298198    1.051588
     flex1 |   2.831801   .2236669    12.66   0.000     2.393422     3.27018
     flex2 |   2.971529   .2233587    13.30   0.000     2.533754    3.409304
    cvt2dg |   .3030298   .2041127     1.48   0.138    -.0970238    .7030834
    cvt5dg |   1.424939   .2054744     6.93   0.000     1.022216    1.827661
   cvt2uger |   .4770767   .2166727     2.20   0.028     .0524059    .9017475
    bonus25 |   1.370818   .2062785     6.65   0.000     .9665191    1.775116
    bonus50 |   1.653037   .1980042     8.35   0.000     1.264956    2.041118
       pc |   .9172178   .1288585     7.12   0.000     .6646598    1.169776
------------+----------------------------------------------------------------
SD          |
    health1 |   .1921441   .3447855     0.56   0.577    -.483623    .8679112
    health2 |   1.246076   .1996455     6.24   0.000     .8547782    1.637374
     flex1 |   1.480401    .164285     9.01   0.000     1.158408    1.802393
     flex2 |   1.892613    .170371    11.11   0.000     1.558692    2.226534
    cvt2dg |   1.408701   .2360679     5.97   0.000      .946016    1.871385
    cvt5dg |   1.253002   .2363893     5.30   0.000     .7896875    1.716316
   cvt2uger |  -1.225178   .2521242    -4.86   0.000    -1.719332   -.7310233
    bonus25 |   .3290534   .2554516     1.29   0.198    -.1716226    .8297293
    bonus50 |    1.33607    .234901     5.69   0.000     .8756725    1.796467
       pc |  -.7878264   .1336484    -5.89   0.000    -1.049772   -.5258804
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=11247.95 0:54:27
```

```
. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $uxvar_occup $xvar_compassion $uHcompas if vsamehours==1,
group(vid) rand($randvar) id(id) nre
> p(100)

Iteration 0:   log likelihood = -4737.0332  (not concave)
Iteration 1:   log likelihood = -4691.4087
Iteration 2:   log likelihood = -4609.3124  (not concave)
Iteration 3:   log likelihood = -4607.5132  (not concave)
Iteration 4:   log likelihood = -4605.9092
Iteration 5:   log likelihood = -4579.8952
Iteration 6:   log likelihood =  -4574.996
Iteration 7:   log likelihood = -4574.7273
Iteration 8:   log likelihood = -4574.7235
Iteration 9:   log likelihood = -4574.7235

Mixed logit model                         Number of obs   =      20100
                                  LR chi2(10)     =     333.51
Log likelihood = -4574.7235               Prob > chi2     =     0.0000

------------------------------------------------------------------------------
      choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Mean         |
    dispwage |    9.81238   .7749978    12.66   0.000     8.293412    11.33135
female_hea~1 |   .2321778   .1531287     1.52   0.129    -.0679489    .5323045
female_hea~2 |  -.0733436   .1969154    -0.37   0.710    -.4592907    .3126036
female_flex1 |   .4297418   .1924221     2.23   0.026     .0526015    .8068822
female_flex2 |   .4697085   .1847171     2.54   0.011     .1076696    .8317474
  female_2dg |   .3079849   .2108157     1.46   0.144    -.1052063     .721176
  female_5dg |   .2171357   .2092114     1.04   0.299    -.1929112    .6271826
female_2uger |   .3557963   .2213191     1.61   0.108    -.0779812    .7895738
  female_b25 |  -.0188233   .1851786    -0.10   0.919    -.3817666     .34412
  female_b50 |   .2461002    .182498     1.35   0.177    -.1115893    .6037897
   female_pc |  -.1158492   .1247668    -0.93   0.353    -.3603875    .1286892
 old_health1 |  -.1144661   .2394065    -0.48   0.633    -.5836942     .354762
 old_health2 |   .3027539   .3026832     1.00   0.317    -.2904942    .8960021
   old_flex1 |   .5910465   .3032327     1.95   0.051    -.0032786    1.185372
   old_flex2 |   .2824876   .2970821     0.95   0.342    -.2997826    .8647577
     old_2dg |  -.1096566   .3191024    -0.34   0.731    -.7350859    .5157727
     old_5dg |   .1127805   .3151093     0.36   0.720    -.5048224    .7303834
   old_2uger |   .0548122   .3295511     0.17   0.868    -.5910961    .7007206
     old_b25 |   .0332725   .2902779     0.11   0.909    -.5356617    .6022068
     old_b50 |   -.561092   .2916744    -1.92   0.054    -1.132763    .0105794
      old_pc |  -.4283618   .2012505    -2.13   0.033    -.8228055    -.033918
lowedu_hea~1 |   .1957456   .1577184     1.24   0.215    -.1133767    .5048679
lowedu_hea~2 |   .5773337   .2037579     2.83   0.005     .1779756    .9766918
lowedu_flex1 |  -.4075961   .1975801    -2.06   0.039    -.794846    -.0203462
lowedu_flex2 |  -.6346141   .1918427    -3.31   0.001    -1.010619   -.2586092
  lowedu_2dg |   .0403549   .2168504     0.19   0.852    -.3846641    .4653739
  lowedu_5dg |  -.4545676   .2146828    -2.12   0.034    -.8753383    -.033797
lowedu_2uger |  -.5117683   .2283158    -2.24   0.025     -.959259   -.0642775
  lowedu_b25 |   .0769169   .1897713     0.41   0.685    -.2950279    .4488617
  lowedu_b50 |  -.3887326   .1894333    -2.05   0.040     -.760015   -.0174501
   lowedu_pc |  -.1863384   .1277505    -1.46   0.145    -.4367249     .064048
   u_health1 |  -.3726284   .4926551    -0.76   0.449    -1.338215    .5929578
   u_health2 |  -.2150224   .6156714    -0.35   0.727    -1.421716    .9916714
```

```
    u_flex1 |  -.1474613   .6056678    -0.24   0.808    -1.334548    1.039626
    u_flex2 |  -.4107008    .516764    -0.79   0.427     -1.42354    .6021381
      u_2dg |   1.425897   .7005111     2.04   0.042     .0529201    2.798873
      u_5dg |   .3821143   .6769352     0.56   0.572    -.9446543    1.708883
    u_2uger |    .976922   .6785604     1.44   0.150    -.3530319    2.306876
      u_b25 |  -.4424439   .6054258    -0.73   0.465    -1.629057    .7441689
      u_b50 |  -.0872694   .5792119    -0.15   0.880    -1.222504    1.047965
       u_pc |   .2667988    .395129     0.68   0.500    -.5076398    1.041237
Hcompassi~h1 |   .1689299   .1606172     1.05   0.293     -.145874    .4837338
Hcompassi~h2 |   .3756285   .2071241     1.81   0.070    -.0303271    .7815842
Hcompassi~x1 |   .0152983   .1997535     0.08   0.939    -.3762114    .4068079
Hcompassi~x2 |   .1124114   .1937139     0.58   0.562    -.2672609    .4920836
Hcompass~2dg |    .381389   .2207245     1.73   0.084    -.0512231    .8140011
Hcompass~5dg |   .5602522   .2210096     2.53   0.011     .1270814    .9934231
Hcompassio~r |   .3750668   .2326872     1.61   0.107    -.0809917    .8311254
Hcompassi~25 |  -.0389846   .1925016    -0.20   0.840    -.4162808    .3383116
Hcompassi~50 |  -.6136425   .1954152    -3.14   0.002    -.9966493   -.2306356
Hcompassio~c |   .0299937   .1305257     0.23   0.818    -.2258319    .2858194
uHcompass~h1 |   .6484857   .5718697     1.13   0.257    -.4723583     1.76933
uHcompass~h2 |    .492562   .7115882     0.69   0.489    -.9021253    1.887249
uHcompass~x1 |  -.5008163   .7041645    -0.71   0.477    -1.880953    .8793206
uHcompass~x2 |  -.6044859   .6176802    -0.98   0.328    -1.815117    .6061451
uHcompas~2dg |  -1.640722   .8104467    -2.02   0.043    -3.229168   -.0522755
uHcompas~5dg |  -.8155667   .7935173    -1.03   0.304    -2.370832    .7396986
uHcompassi~r |  -1.273947   .8026357    -1.59   0.112    -2.847084    .2991899
uHcompass~25 |   .6521315   .7006207     0.93   0.352    -.7210598    2.025323
uHcompass~50 |  -.0870198   .6686292    -0.13   0.896    -1.397509    1.223469
uHcompassi~c |  -.5346243   .4624397    -1.16   0.248    -1.440989    .3717409
    health1 |   .8011745   .1590558     5.04   0.000     .4894308    1.112918
    health2 |   .7524947   .2003041     3.76   0.000     .3599058    1.145084
      flex1 |   2.920555   .2343836    12.46   0.000     2.461171    3.379938
      flex2 |   3.088341    .239097    12.92   0.000      2.61972    3.556963
     cvt2dg |   .2679541   .2137386     1.25   0.210    -.1509658     .686874
     cvt5dg |   1.445461   .2148517     6.73   0.000      1.02436    1.866563
   cvt2uger |   .5039815   .2258027     2.23   0.026     .0614164    .9465465
    bonus25 |   1.428755    .216795     6.59   0.000     1.003845    1.853665
    bonus50 |   1.699227    .210164     8.09   0.000     1.287313     2.11114
         pc |    .922887    .133241     6.93   0.000     .6617395    1.184034
------------+----------------------------------------------------------------
SD          |
    health1 |  -.0286514   .3585122    -0.08   0.936    -.7313224    .6740197
    health2 |   1.269315   .2036148     6.23   0.000     .8702375    1.668393
      flex1 |   1.501335   .1683668     8.92   0.000     1.171342    1.831328
      flex2 |   1.916451   .1744073    10.99   0.000     1.574619    2.258283
     cvt2dg |   1.465229   .2356155     6.22   0.000     1.003431    1.927027
     cvt5dg |   1.362709   .2322342     5.87   0.000     .9075382     1.81788
   cvt2uger |  -1.364481   .2494122    -5.47   0.000     -1.85332   -.8756419
    bonus25 |   .4013948   .2340619     1.71   0.086     -.057358    .8601477
    bonus50 |   1.353602   .2354868     5.75   0.000     .8920559    1.815147
         pc |  -.8209599   .1311891    -6.26   0.000    -1.078086    -.563834
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=12566.76 4:23:53

. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $axvar_occup $xvar_compassion $aHcompas if vsamehours==1,
group(vid) rand($randvar) id(id) nre
```

```
> p(100)

Iteration 0:   log likelihood = -4733.3616  (not concave)
Iteration 1:   log likelihood = -4701.0868
Iteration 2:   log likelihood = -4605.7004  (not concave)
Iteration 3:   log likelihood = -4603.7385  (not concave)
Iteration 4:   log likelihood = -4602.5869
Iteration 5:   log likelihood = -4580.9631
Iteration 6:   log likelihood = -4573.2743
Iteration 7:   log likelihood = -4572.8843
Iteration 8:   log likelihood =   -4572.88
Iteration 9:   log likelihood =   -4572.88

Mixed logit model                 Number of obs   =      20100
                                  LR chi2(10)     =     329.83
Log likelihood =   -4572.88       Prob > chi2     =     0.0000

------------------------------------------------------------------------------
      choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Mean         |
    dispwage |   9.677095   .7552266    12.81   0.000     8.196878    11.15731
female_hea~1 |   .2454911   .1516417     1.62   0.105    -.0517211    .5427033
female_hea~2 |   -.054618   .1948261    -0.28   0.779    -.4364701    .3272342
female_flex1 |   .3520177   .1898243     1.85   0.064    -.0200311    .7240665
female_flex2 |   .3830631   .1834288     2.09   0.037     .0235493    .7425769
  female_2dg |   .3505631   .2093348     1.67   0.094    -.0597256    .7608518
  female_5dg |   .1935351   .2058354     0.94   0.347    -.2098948    .5969651
female_2uger |   .3723879   .2185055     1.70   0.088     -.055875    .8006508
  female_b25 |  -.0469167   .1824981    -0.26   0.797    -.4046065     .310773
  female_b50 |   .2438967   .1795448     1.36   0.174    -.1080045     .595798
   female_pc |  -.1317922   .1231365    -1.07   0.284    -.3731352    .1095508
 old_health1 |  -.1117943   .2358788    -0.47   0.636    -.5741082    .3505196
 old_health2 |    .268295   .2978917     0.90   0.368    -.3155619     .852152
   old_flex1 |   .5782574   .2995137     1.93   0.054    -.0087788    1.165293
   old_flex2 |   .2831243   .2950969     0.96   0.337     -.295255    .8615035
     old_2dg |  -.0696809   .3156457    -0.22   0.825    -.6883351    .5489734
     old_5dg |   .1345677    .307891     0.44   0.662    -.4688875     .738023
   old_2uger |   .0773416    .324583     0.24   0.812    -.5588294    .7135125
     old_b25 |   .0383573   .2855015     0.13   0.893    -.5212154    .5979301
     old_b50 |   -.545128   .2858148    -1.91   0.056    -1.105315    .0150587
      old_pc |  -.4210018   .1983339    -2.12   0.034    -.8097291   -.0322745
lowedu_hea~1 |   .1846309   .1483573     1.24   0.213    -.1061441    .4754058
lowedu_hea~2 |   .5325323   .1913267     2.78   0.005     .1575388    .9075257
lowedu_flex1 |  -.3249579   .1861541    -1.75   0.081    -.6898133    .0398975
lowedu_flex2 |  -.4979976   .1798098    -2.77   0.006    -.8504182   -.1455769
  lowedu_2dg |   .0204432   .2052091     0.10   0.921    -.3817593    .4226457
  lowedu_5dg |  -.4314093    .202233    -2.13   0.033    -.8277787   -.0350399
lowedu_2uger |  -.5217745    .215101    -2.43   0.015    -.9433647   -.1001843
  lowedu_b25 |   .0773816   .1786994     0.43   0.665    -.2728628     .427626
  lowedu_b50 |   -.350107    .177124    -1.98   0.048    -.6972636   -.0029503
   lowedu_pc |  -.1646463   .1209771    -1.36   0.174     -.401757    .0724644
   a_health1 |  -.2283875   .2462099    -0.93   0.354    -.7109499     .254175
   a_health2 |   .6360358   .3239097     1.96   0.050     .0011844    1.270887
     a_flex1 |   .4423762   .3176498     1.39   0.164    -.1802059    1.064958
     a_flex2 |   .3394414   .2977332     1.14   0.254     -.244105    .9229879
       a_2dg |    .204951   .3409154     0.60   0.548    -.4632309    .8731329
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      a_5dg |    .390526   .3469707     1.13   0.260    -.2895241    1.070576
     a_2uger |   .2706631   .3509034     0.77   0.441    -.4170948     .958421
      a_b25 |   .0291945   .2990839     0.10   0.922    -.5569992    .6153881
      a_b50 |  -.4562307   .2895037    -1.58   0.115    -1.023648    .1111861
       a_pc |   .0665093   .1972391     0.34   0.736    -.3200723    .4530909
Hcompassi~h1 |   .2016667    .160412     1.26   0.209     -.112735    .5160684
Hcompassi~h2 |   .5203818    .205329     2.53   0.011    .1179444    .9228192
Hcompassi~x1 |  -.0346612   .1991954    -0.17   0.862    -.4250771    .3557547
Hcompassi~x2 |  -.0493394    .19264    -0.26   0.798    -.4269068    .3282281
Hcompass~2dg |   .3199376   .2202703     1.45   0.146    -.1117843    .7516594
Hcompass~5dg |   .4897381   .2181795     2.24   0.025     .0621142     .917362
Hcompassio~r |   .3134921   .2300584     1.36   0.173     -.137414    .7643982
Hcompassi~25 |   .0046379   .1914455     0.02   0.981    -.3705884    .3798643
Hcompassi~50 |  -.7636816   .1949969    -3.92   0.000    -1.145868   -.3814948
Hcompassio~c |  -.0320224   .1304004    -0.25   0.806    -.2876025    .2235578
aHcompass~h1 |   .0431697   .3694362     0.12   0.907    -.6809119    .7672513
aHcompass~h2 |  -.5306572   .4952213    -1.07   0.284    -1.501273    .4399588
aHcompass~x1 |   .0106489   .4758017     0.02   0.982    -.9219052     .943203
aHcompass~x2 |   .3667485    .445912     0.82   0.411    -.5072229     1.24072
aHcompas~2dg |  -.3194189   .5067621    -0.63   0.528    -1.312654    .6738166
aHcompas~5dg |   .0353483   .5306004     0.07   0.947    -1.004609    1.075306
aHcompassi~r |  -.1884108   .5393976    -0.35   0.727    -1.245611    .8687891
aHcompass~25 |   .1023823   .4496556     0.23   0.820    -.7789264     .983691
aHcompass~50 |   .8087545   .4310017     1.88   0.061    -.0359933    1.653502
aHcompassi~c |   .1303474   .2987727     0.44   0.663    -.4552363    .7159311
     health1 |   .8038023   .1552134     5.18   0.000     .4995896    1.108015
     health2 |   .6317384   .1951161     3.24   0.001     .2493178    1.014159
       flex1 |   2.781561   .2255433    12.33   0.000     2.339504    3.223618
       flex2 |   2.930325   .2267947    12.92   0.000     2.485815    3.374834
      cvt2dg |   .2951319   .2092652     1.41   0.158    -.1150203    .7052841
      cvt5dg |   1.381108   .2104033     6.56   0.000     .9687254    1.793491
    cvt2uger |   .4976657   .2220448     2.24   0.025     .0624659    .9328655
     bonus25 |   1.383243   .2091198     6.61   0.000     .9733761    1.793111
     bonus50 |   1.719979   .2035735     8.45   0.000     1.320982    2.118976
          pc |   .9024933    .130705     6.90   0.000     .6463163     1.15867
-------------+----------------------------------------------------------------
SD           |
     health1 |   .0667968   .3191578     0.21   0.834    -.558741    .6923346
     health2 |    1.21116   .2011516     6.02   0.000     .8169099     1.60541
       flex1 |   1.495362   .1642108     9.11   0.000     1.173515     1.81721
       flex2 |   1.910328   .1740366    10.98   0.000     1.569222    2.251433
      cvt2dg |   1.447447   .2302934     6.29   0.000     .9960806    1.898814
      cvt5dg |   1.289961   .2338347     5.52   0.000     .8316537    1.748269
    cvt2uger |  -1.281911   .2470293    -5.19   0.000     -1.76608   -.7977426
     bonus25 |   .3273851   .2427814     1.35   0.178    -.1484577     .803228
     bonus50 |   1.296292   .2398393     5.40   0.000      .826216    1.766369
          pc |  -.7979823   .1318896    -6.05   0.000    -1.056481   -.5394835
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=12512.15 7:52:26



==============================================================================
. *Hpublic_interest ============================================================
==============================================================================
```

```
. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $xvar_pubinterest          if vsamehours==1, group(vid)
rand($randvar) id(id) nrep(100)

Iteration 0:   log likelihood = -4754.0784  (not concave)
Iteration 1:   log likelihood = -4701.7775
Iteration 2:   log likelihood =  -4628.444  (not concave)
Iteration 3:   log likelihood = -4623.8531
Iteration 4:   log likelihood = -4602.3614
Iteration 5:   log likelihood = -4591.4816
Iteration 6:   log likelihood = -4591.0261
Iteration 7:   log likelihood = -4590.8515
Iteration 8:   log likelihood = -4590.8488
Iteration 9:   log likelihood = -4590.8488

Mixed logit model                         Number of obs   =      20100
                                  LR chi2(10)     =     335.36
Log likelihood = -4590.8488               Prob > chi2     =     0.0000

------------------------------------------------------------------------------
      choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Mean         |
    dispwage |   9.587159   .7510638    12.76   0.000     8.115101    11.05922
female_hea~1 |   .2831077   .1487244     1.90   0.057    -.0083869    .5746022
female_hea~2 |   .0168571   .1902827     0.09   0.929    -.3560901    .3898043
female_flex1 |   .4090398    .187734     2.18   0.029     .0410879    .7769917
female_flex2 |   .4122778   .1792435     2.30   0.021     .0609671    .7635885
  female_2dg |   .3613709   .2045159     1.77   0.077    -.0394729    .7622148
  female_5dg |   .2965786   .2009284     1.48   0.140    -.0972338     .690391
female_2uger |   .4105358   .2144147     1.91   0.056    -.0097093    .8307809
  female_b25 |  -.0063922   .1792917    -0.04   0.972    -.3577976    .3450131
  female_b50 |   .1245178    .174652     0.71   0.476    -.2177938    .4668294
   female_pc |  -.1118924   .1211248    -0.92   0.356    -.3492927    .1255078
 old_health1 |  -.1145194   .2345381    -0.49   0.625    -.5742057    .3451668
 old_health2 |   .3001196    .297211     1.01   0.313    -.2824032    .8826423
   old_flex1 |   .6026307   .3004607     2.01   0.045     .0137385    1.191523
   old_flex2 |   .2732478   .2944416     0.93   0.353    -.3038472    .8503428
     old_2dg |  -.0628768   .3122014    -0.20   0.840    -.6747803    .5490267
     old_5dg |   .1545864   .3049925     0.51   0.612    -.4431879    .7523608
   old_2uger |   .0690852   .3238234     0.21   0.831    -.5655971    .7037674
     old_b25 |    .058096   .2847849     0.20   0.838    -.5000721    .6162642
     old_b50 |  -.5848199   .2834934    -2.06   0.039    -1.140457    -.029183
      old_pc |  -.4132128   .1977789    -2.09   0.037    -.8008523   -.0255733
lowedu_hea~1 |   .1813914    .148197     1.22   0.221    -.1090695    .4718522
lowedu_hea~2 |   .5330777    .190665     2.80   0.005     .1593812    .9067742
lowedu_flex1 |  -.3350831   .1869834    -1.79   0.073    -.7015639    .0313977
lowedu_flex2 |  -.4581943   .1790287    -2.56   0.010    -.8090841   -.1073045
  lowedu_2dg |  -.0143744   .2038148    -0.07   0.944     -.413844    .3850953
  lowedu_5dg |  -.4260863    .200268    -2.13   0.033    -.8186043   -.0335683
lowedu_2uger |  -.5238705   .2149601    -2.44   0.015    -.9451846   -.1025564
  lowedu_b25 |   .0794532    .178408     0.45   0.656     -.27022    .4291264
  lowedu_b50 |  -.3258833   .1756003    -1.86   0.063    -.6700536     .018287
   lowedu_pc |  -.1752382   .1210551    -1.45   0.148    -.4125018    .0620255
Hpublic_i~h1 |  -.0954856   .1484744    -0.64   0.520    -.3864901    .1955189
Hpublic_i~h2 |   .1187158   .1892249     0.63   0.530    -.2521582    .4895897
Hpublic_i~x1 |  -.2731745   .1867983    -1.46   0.144    -.6392925    .0929435
```

```
Hpublic_i~x2 |   .2334981   .1789368     1.30   0.192    -.1172115    .5842078
Hpublic_~2dg |   .1398584   .2041503     0.69   0.493    -.2602688    .5399857
Hpublic_~5dg |   .2317343   .1998156     1.16   0.246     -.159897    .6233656
Hpublic_in~r |   .1780348   .2132037     0.84   0.404    -.2398368    .5959064
Hpublic_i~25 |  -.1323562   .1783626    -0.74   0.458    -.4819404     .217228
Hpublic_i~50 |  -.2321331   .1759569    -1.32   0.187    -.5770022     .112736
Hpublic_in~c |   -.130606   .1206957    -1.08   0.279    -.3671653    .1059533
    health1 |   .9004178   .1573698     5.72   0.000     .5919786    1.208857
    health2 |    .846681   .1975204     4.29   0.000     .4595481    1.233814
      flex1 |   2.955738   .2312203    12.78   0.000     2.502555    3.408922
      flex2 |   2.827464   .2232777    12.66   0.000     2.389848    3.265081
     cvt2dg |   .3999237   .2081617     1.92   0.055    -.0080656    .8079131
     cvt5dg |   1.501997   .2087683     7.19   0.000     1.092819    1.911176
   cvt2uger |   .5776351   .2233547     2.59   0.010     .1398679    1.015402
    bonus25 |   1.431843   .2114635     6.77   0.000     1.017382    1.846304
    bonus50 |   1.488192   .1989295     7.48   0.000     1.098297    1.878087
         pc |   .9679013   .1320895     7.33   0.000     .7090108    1.226792
------------+----------------------------------------------------------------
SD          |
    health1 |   .0794419   .3281353     0.24   0.809    -.5636914    .7225752
    health2 |   1.242994    .198451     6.26   0.000     .8540369    1.631951
      flex1 |   1.515701   .1646338     9.21   0.000     1.193024    1.838377
      flex2 |   1.928052   .1747931    11.03   0.000     1.585464     2.27064
     cvt2dg |   1.413458   .2348122     6.02   0.000      .953235    1.873682
     cvt5dg |   1.274536   .2321896     5.49   0.000      .819453     1.72962
   cvt2uger |  -1.301276   .2456043    -5.30   0.000    -1.782652   -.8199003
    bonus25 |   .3460261   .2380257     1.45   0.146    -.1204957    .8125479
    bonus50 |   1.279534   .2418602     5.29   0.000     .8054969    1.753571
         pc |    -.81476   .1288012    -6.33   0.000    -1.067206   -.5623143
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=7527.69 9:57:53

. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $sxvar_occup $xvar_pubinterest $sHpubint if vsamehours==1,
group(vid) rand($randvar) id(id) nr
> ep(100)

Iteration 0:   log likelihood = -4741.9112  (not concave)
Iteration 1:   log likelihood = -4692.5528
Iteration 2:   log likelihood = -4622.2626  (not concave)
Iteration 3:   log likelihood = -4614.2843
Iteration 4:   log likelihood = -4591.4801
Iteration 5:   log likelihood = -4581.1886
Iteration 6:   log likelihood =  -4580.547
Iteration 7:   log likelihood = -4580.5218
Iteration 8:   log likelihood = -4580.5217

Mixed logit model                         Number of obs   =      20100
                                  LR chi2(10)     =     331.69
Log likelihood = -4580.5217               Prob > chi2     =     0.0000

------------------------------------------------------------------------------
     choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------+-----------------------------------------------------------------
Mean        |
   dispwage |   9.570291   .7514954    12.73   0.000     8.097387    11.04319
```

female_hea~1	.2992126	.1499599	2.00	0.046	.0052966	.5931286
female_hea~2	.0382451	.1927098	0.20	0.843	-.3394592	.4159493
female_flex1	.3801477	.18944	2.01	0.045	.0088521	.7514434
female_flex2	.4196101	.1814912	2.31	0.021	.0638938	.7753264
female_2dg	.3153902	.2052156	1.54	0.124	-.0868249	.7176054
female_5dg	.2254893	.2025343	1.11	0.266	-.1714708	.6224493
female_2uger	.3824754	.2161875	1.77	0.077	-.0412443	.806195
female_b25	-.0012492	.180904	-0.01	0.994	-.3558145	.3533161
female_b50	.1447405	.1765864	0.82	0.412	-.2013624	.4908434
female_pc	-.0809588	.1220897	-0.66	0.507	-.3202502	.1583326
old_health1	-.1304685	.2350171	-0.56	0.579	-.5910934	.3301565
old_health2	.2925594	.2991755	0.98	0.328	-.2938138	.8789326
old_flex1	.5824569	.3013403	1.93	0.053	-.0081591	1.173073
old_flex2	.2646311	.296721	0.89	0.372	-.3169314	.8461936
old_2dg	-.0847147	.3119271	-0.27	0.786	-.6960806	.5266512
old_5dg	.1574906	.3072564	0.51	0.608	-.4447208	.759702
old_2uger	.0596766	.324792	0.18	0.854	-.5769039	.6962572
old_b25	.057468	.2854936	0.20	0.840	-.5020892	.6170251
old_b50	-.5907948	.2846822	-2.08	0.038	-1.148762	-.032828
old_pc	-.407067	.1980994	-2.05	0.040	-.7953347	-.0187993
lowedu_hea~1	.179906	.1486073	1.21	0.226	-.1113591	.471171
lowedu_hea~2	.5264962	.1916905	2.75	0.006	.1507897	.9022028
lowedu_flex1	-.3259954	.1872947	-1.74	0.082	-.6930863	.0410954
lowedu_flex2	-.4731309	.1798675	-2.63	0.009	-.8256647	-.120597
lowedu_2dg	.0028903	.2035237	0.01	0.989	-.3960088	.4017893
lowedu_5dg	-.4026427	.2010256	-2.00	0.045	-.7966455	-.0086398
lowedu_2uger	-.5258235	.2154422	-2.44	0.015	-.9480824	-.1035645
lowedu_b25	.0808339	.1786822	0.45	0.651	-.2693768	.4310446
lowedu_b50	-.3376228	.1761015	-1.92	0.055	-.6827754	.0075298
lowedu_pc	-.1821282	.1210437	-1.50	0.132	-.4193694	.0551131
s_health1	.1387614	.5611639	0.25	0.805	-.9610996	1.238622
s_health2	-.2930876	.6701825	-0.44	0.662	-1.606621	1.020446
s_flex1	.8911153	.7162845	1.24	0.213	-.5127765	2.295007
s_flex2	-.0558529	.6439565	-0.09	0.931	-1.317984	1.206279
s_2dg	.877788	.6971024	1.26	0.208	-.4885076	2.244084
s_5dg	.7306997	.6786792	1.08	0.282	-.5994872	2.060887
s_2uger	.1711365	.8027436	0.21	0.831	-1.402212	1.744485
s_b25	.3024942	.6810343	0.44	0.657	-1.032308	1.637297
s_b50	-.2660494	.6427671	-0.41	0.679	-1.52585	.993751
s_pc	-.364354	.4691491	-0.78	0.437	-1.283869	.5551614
Hpublic_i~h1	-.0644515	.1522066	-0.42	0.672	-.3627709	.2338679
Hpublic_i~h2	.1132675	.1947678	0.58	0.561	-.2684704	.4950053
Hpublic_i~x1	-.2302677	.1917479	-1.20	0.230	-.6060868	.1455513
Hpublic_i~x2	.2372126	.1847462	1.28	0.199	-.1248833	.5993085
Hpublic_~2dg	.1155882	.209326	0.55	0.581	-.2946832	.5258596
Hpublic_~5dg	.1570701	.2054229	0.76	0.444	-.2455513	.5596915
Hpublic_in~r	.1516278	.2187849	0.69	0.488	-.2771829	.5804384
Hpublic_i~25	-.1010959	.1834532	-0.55	0.582	-.4606576	.2584658
Hpublic_i~50	-.2185787	.1805553	-1.21	0.226	-.5724607	.1353032
Hpublic_in~c	-.1133838	.1239009	-0.92	0.360	-.3562251	.1294576
sHpublic_~h1	-.7068327	.7140045	-0.99	0.322	-2.106256	.6925904
sHpublic_~h2	.1615481	.8519	0.19	0.850	-1.508145	1.831241
sHpublic_~x1	-.8708202	.8679937	-1.00	0.316	-2.572057	.8304162
sHpublic_~x2	-.2548806	.7989955	-0.32	0.750	-1.820883	1.311122
sHpublic~2dg	.291072	.9045262	0.32	0.748	-1.481767	2.063911
sHpublic~5dg	1.012895	.915252	1.11	0.268	-.7809656	2.806756
sHpublic_i~r	.6119818	1.004725	0.61	0.542	-1.357243	2.581206

```
sHpublic_~25 |  -.7756041    .830163    -0.93   0.350    -2.402694    .8514854
sHpublic_~50 |  -.0593475   .8076612    -0.07   0.941    -1.642334    1.523639
sHpublic_i~c |  -.0723303   .5617907    -0.13   0.898     -1.17342    1.028759
    health1 |   .8865533   .1584071     5.60   0.000      .576081    1.197026
    health2 |   .8554437   .2004141     4.27   0.000     .4626393    1.248248
      flex1 |    2.92407   .2320441    12.60   0.000     2.469272    3.378868
      flex2 |    2.84004   .2257861    12.58   0.000     2.397508    3.282573
     cvt2dg |   .3764074   .2093617     1.80   0.072    -.0339339    .7867488
     cvt5dg |   1.491441   .2108498     7.07   0.000     1.078183    1.904699
   cvt2uger |   .5904265   .2247535     2.63   0.009     .1499178    1.030935
    bonus25 |   1.412399   .2124437     6.65   0.000      .996017    1.828781
    bonus50 |   1.498535   .2009658     7.46   0.000      1.10465    1.892421
         pc |   .9701231    .132938     7.30   0.000     .7095694    1.230677
------------+----------------------------------------------------------------
SD          |
    health1 |   .1269801   .3257878     0.39   0.697    -.5115523    .7655124
    health2 |   1.255078   .1993787     6.29   0.000     .8643033    1.645853
      flex1 |    1.50925   .1653136     9.13   0.000     1.185241    1.833259
      flex2 |   1.937933   .1769273    10.95   0.000     1.591162    2.284704
     cvt2dg |   1.358165   .2376553     5.71   0.000     .8923693    1.823961
     cvt5dg |   1.276094   .2376517     5.37   0.000     .8103048    1.741882
   cvt2uger |  -1.324951   .2477223    -5.35   0.000    -1.810478   -.8394243
    bonus25 |   .3370097   .2414226     1.40   0.163    -.1361699    .8101893
    bonus50 |   1.257905   .2506965     5.02   0.000     .7665494    1.749262
         pc |  -.8095509   .1317077    -6.15   0.000    -1.067693   -.5514085
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=11283.11 13:05:56

. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $uxvar_occup $xvar_pubinterest $uHpubint if vsamehours==1,
group(vid) rand($randvar) id(id) nr
> ep(100)

Iteration 0:   log likelihood = -4746.5297  (not concave)
Iteration 1:   log likelihood = -4702.9226
Iteration 2:   log likelihood = -4619.2549  (not concave)
Iteration 3:   log likelihood = -4612.6211
Iteration 4:   log likelihood = -4587.5365
Iteration 5:   log likelihood = -4583.0553
Iteration 6:   log likelihood = -4582.9714
Iteration 7:   log likelihood = -4582.9711

Mixed logit model                         Number of obs   =      20100
                                  LR chi2(10)     =     335.99
Log likelihood = -4582.9711               Prob > chi2     =     0.0000

------------------------------------------------------------------------------
     choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
------------+-----------------------------------------------------------------
Mean        |
   dispwage |   9.779578   .7735878    12.64   0.000     8.263373    11.29578
female_hea~1 |   .2804531   .1509372     1.86   0.063    -.0153783    .5762846
female_hea~2 |  -.0208532   .1928352    -0.11   0.914    -.3988032    .3570968
female_flex1 |   .4526291   .1912015     2.37   0.018     .0778811    .8273772
female_flex2 |   .4459719   .1818371     2.45   0.014     .0895776    .8023661
  female_2dg |   .3461574   .2068812     1.67   0.094    -.0593223    .7516371
```

female_5dg	.2900101	.2042106	1.42	0.156	-.1102354	.6902556
female_2uger	.388455	.2173203	1.79	0.074	-.037485	.814395
female_b25	-.0008178	.1822439	-0.00	0.996	-.3580094	.3563737
female_b50	.1282411	.1775604	0.72	0.470	-.2197708	.4762531
female_pc	-.1012115	.1226897	-0.82	0.409	-.3416788	.1392559
old_health1	-.1040303	.2385946	-0.44	0.663	-.5716671	.3636064
old_health2	.3104015	.3016703	1.03	0.304	-.2808614	.9016644
old_flex1	.6185855	.3042572	2.03	0.042	.0222523	1.214919
old_flex2	.3054558	.2979714	1.03	0.305	-.2785575	.889469
old_2dg	-.0814886	.3157289	-0.26	0.796	-.7003059	.5373287
old_5dg	.1334342	.3096417	0.43	0.667	-.4734523	.7403207
old_2uger	.0652519	.3275079	0.20	0.842	-.5766518	.7071557
old_b25	.0690677	.2881213	0.24	0.811	-.4956397	.6337751
old_b50	-.5565195	.2888547	-1.93	0.054	-1.122664	.0096252
old_pc	-.4185331	.1997145	-2.10	0.036	-.8099663	-.0270998
lowedu_hea~1	.2095392	.1573995	1.33	0.183	-.0989581	.5180366
lowedu_hea~2	.5795114	.203029	2.85	0.004	.1815818	.977441
lowedu_flex1	-.4327714	.1982885	-2.18	0.029	-.8214097	-.044133
lowedu_flex2	-.6231163	.1917187	-3.25	0.001	-.9988781	-.2473546
lowedu_2dg	.0286711	.2150126	0.13	0.894	-.3927459	.4500882
lowedu_5dg	-.4498262	.2122765	-2.12	0.034	-.8658805	-.0337718
lowedu_2uger	-.5005541	.2270216	-2.20	0.027	-.9455082	-.0555999
lowedu_b25	.0799906	.1890156	0.42	0.672	-.2904732	.4504543
lowedu_b50	-.389867	.1881374	-2.07	0.038	-.7586095	-.0211246
lowedu_pc	-.20136	.127429	-1.58	0.114	-.4511162	.0483962
u_health1	.0942996	.4526331	0.21	0.835	-.7928449	.9814441
u_health2	.6116717	.5483733	1.12	0.265	-.4631203	1.686464
u_flex1	-.9840817	.540395	-1.82	0.069	-2.043237	.0750731
u_flex2	-.7939579	.4808693	-1.65	0.099	-1.736444	.1485285
u_2dg	.5276796	.6192823	0.85	0.394	-.6860914	1.74145
u_5dg	.163816	.6317144	0.26	0.795	-1.074322	1.401953
u_2uger	.5856507	.6034035	0.97	0.332	-.5969983	1.7683
u_b25	-.5031969	.5334903	-0.94	0.346	-1.548819	.5424249
u_b50	-.3602538	.521789	-0.69	0.490	-1.382941	.6624338
u_pc	-.1985132	.3513139	-0.57	0.572	-.8870757	.4900494
Hpublic_i~h1	-.1135026	.157764	-0.72	0.472	-.4227144	.1957092
Hpublic_i~h2	.1601721	.2019768	0.79	0.428	-.2356952	.5560394
Hpublic_i~x1	-.3224956	.1986276	-1.62	0.104	-.7117987	.0668074
Hpublic_i~x2	.2659615	.191201	1.39	0.164	-.1087857	.6407086
Hpublic_~2dg	.1717577	.2163439	0.79	0.427	-.2522686	.5957839
Hpublic_~5dg	.2650129	.2128125	1.25	0.213	-.1520919	.6821177
Hpublic_in~r	.2538017	.2271776	1.12	0.264	-.1914584	.6990617
Hpublic_i~25	-.2078654	.1896724	-1.10	0.273	-.5796165	.1638857
Hpublic_i~50	-.2373422	.1879961	-1.26	0.207	-.6058078	.1311234
Hpublic_in~c	-.1420589	.1278119	-1.11	0.266	-.3925656	.1084478
uHpublic_~h1	.0896976	.5427316	0.17	0.869	-.9740368	1.153432
uHpublic_~h2	-.6470296	.6630768	-0.98	0.329	-1.946636	.652577
uHpublic_~x1	.7420522	.6611183	1.12	0.262	-.5537158	2.03782
uHpublic_~x2	-.0702833	.5938326	-0.12	0.906	-1.234174	1.093607
uHpublic~2dg	-.4478895	.7437029	-0.60	0.547	-1.90552	1.009741
uHpublic~5dg	-.4229604	.7546921	-0.56	0.575	-1.90213	1.056209
uHpublic_i~r	-.7482333	.7479925	-1.00	0.317	-2.214272	.717805
uHpublic_~25	.8306988	.647845	1.28	0.200	-.4390541	2.100452
uHpublic_~50	.105462	.6216477	0.17	0.865	-1.112945	1.323869
uHpublic_i~c	.1153436	.4312778	0.27	0.789	-.7299454	.9606326
health1	.8970308	.1662963	5.39	0.000	.571096	1.222966
health2	.8171371	.2095948	3.90	0.000	.4063387	1.227935

```
      flex1 |   3.092714    .245299    12.61   0.000     2.611937    3.573491
      flex2 |   2.997899    .242685    12.35   0.000     2.522245    3.473553
     cvt2dg |   .3524831   .2191473     1.61   0.108    -.0770376    .7820039
     cvt5dg |   1.528453   .2204003     6.93   0.000     1.096477     1.96043
    cvt2uger |   .5353325   .2354171     2.27   0.023     .0739233    .9967416
     bonus25 |   1.491614   .2233672     6.68   0.000     1.053822    1.929406
     bonus50 |   1.572375   .2138181     7.35   0.000     1.153299    1.991451
          pc |   1.003338   .1384697     7.25   0.000     .7319427    1.274734
-------------+----------------------------------------------------------------
SD           |
     health1 |   .0734783   .3232307     0.23   0.820    -.5600421    .7069988
     health2 |   1.269477   .2024165     6.27   0.000     .8727477    1.666206
      flex1 |   1.536711   .1680368     9.15   0.000     1.207365    1.866057
      flex2 |   1.935626   .1768471    10.95   0.000     1.589013     2.28224
     cvt2dg |   1.418032   .2352654     6.03   0.000     .9569203    1.879144
     cvt5dg |   1.320967   .2376249     5.56   0.000     .8552309    1.786704
    cvt2uger |  -1.335518   .2488726    -5.37   0.000    -1.823299   -.8477362
     bonus25 |   .3998154   .2319345     1.72   0.085    -.0547679    .8543987
     bonus50 |   1.334011    .239696     5.57   0.000     .8642153    1.803806
          pc |  -.8151175   .1289479    -6.32   0.000    -1.067851   -.5623843
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=10019.86 15:52:56

. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $axvar_occup $xvar_pubinterest $aHpubint if vsamehours==1,
group(vid) rand($randvar) id(id) nr
> ep(100)

Iteration 0:   log likelihood = -4740.1282  (not concave)
Iteration 1:   log likelihood = -4699.5818
Iteration 2:   log likelihood = -4613.0638  (not concave)
Iteration 3:   log likelihood = -4605.6375
Iteration 4:   log likelihood = -4583.0376
Iteration 5:   log likelihood = -4579.7071
Iteration 6:   log likelihood = -4579.6488
Iteration 7:   log likelihood = -4579.6484

Mixed logit model                         Number of obs   =      20100
                                  LR chi2(10)     =     329.81
Log likelihood = -4579.6484               Prob > chi2     =     0.0000

------------------------------------------------------------------------------
      choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Mean         |
    dispwage |   9.643369    .752011    12.82   0.000     8.169454    11.11728
female_hea~1 |   .2868373   .1490659     1.92   0.054    -.0053264    .5790011
female_hea~2 |   .0125233   .1911079     0.07   0.948    -.3620414     .387088
female_flex1 |   .3677945   .1873158     1.96   0.050     .0006623    .7349267
female_flex2 |   .3568125   .1797454     1.99   0.047     .0045179    .7091071
  female_2dg |    .394426   .2059003     1.92   0.055    -.0091312    .7979832
  female_5dg |    .279408   .2016344     1.39   0.166    -.1157881    .6746041
female_2uger |   .4082239   .2153782     1.90   0.058    -.0139095    .8303573
  female_b25 |  -.0338551   .1798024    -0.19   0.851    -.3862612    .3185511
  female_b50 |   .1255376   .1746788     0.72   0.472    -.2168265    .4679018
   female_pc |  -.1210843   .1210347    -1.00   0.317    -.3583081    .1161394
```

old_health1	-.1145535	.2342265	-0.49	0.625	-.573629	.344522
old_health2	.3003718	.2967916	1.01	0.312	-.2813291	.8820727
old_flex1	.5948484	.2994686	1.99	0.047	.0079006	1.181796
old_flex2	.2800082	.2939588	0.95	0.341	-.2961405	.8561569
old_2dg	-.0361042	.3125895	-0.12	0.908	-.6487683	.57656
old_5dg	.1503124	.3043131	0.49	0.621	-.4461303	.7467552
old_2uger	.0876272	.3235344	0.27	0.787	-.5464885	.7217429
old_b25	.0497568	.284636	0.17	0.861	-.5081195	.6076331
old_b50	-.5692172	.2820747	-2.02	0.044	-1.122074	-.0163609
old_pc	-.4141748	.1972815	-2.10	0.036	-.8008393	-.0275102
lowedu_hea~1	.1855221	.1480702	1.25	0.210	-.1046902	.4757344
lowedu_hea~2	.5081747	.1905446	2.67	0.008	.1347143	.8816352
lowedu_flex1	-.3383358	.186312	-1.82	0.069	-.7035007	.0268291
lowedu_flex2	-.4834781	.1792349	-2.70	0.007	-.834772	-.1321843
lowedu_2dg	-.0018706	.2039639	-0.01	0.993	-.4016324	.3978912
lowedu_5dg	-.4419946	.2008228	-2.20	0.028	-.8356001	-.0483892
lowedu_2uger	-.5252192	.2150943	-2.44	0.015	-.9467963	-.103642
lowedu_b25	.075386	.1782381	0.42	0.672	-.2739543	.4247263
lowedu_b50	-.3272774	.1757657	-1.86	0.063	-.6717719	.0172171
lowedu_pc	-.1752307	.1206234	-1.45	0.146	-.4116483	.0611868
a_health1	-.2543225	.2685228	-0.95	0.344	-.7806174	.2719724
a_health2	.1557559	.3576496	0.44	0.663	-.5452244	.8567362
a_flex1	.7246087	.3377812	2.15	0.032	.0625697	1.386648
a_flex2	.4908228	.3209531	1.53	0.126	-.1382336	1.119879
a_2dg	.0561443	.3672691	0.15	0.879	-.66369	.7759786
a_5dg	.3514922	.3751754	0.94	0.349	-.383838	1.086822
a_2uger	.2197118	.3790651	0.58	0.562	-.5232422	.9626658
a_b25	.2037737	.3163997	0.64	0.520	-.4163582	.8239057
a_b50	.1143946	.3206948	0.36	0.721	-.5141558	.7429449
a_pc	.0863633	.2036331	0.42	0.671	-.3127502	.4854768
Hpublic_i~h1	-.1103573	.1573136	-0.70	0.483	-.4186863	.1979718
Hpublic_i~h2	.0632399	.1999472	0.32	0.752	-.3286494	.4551293
Hpublic_i~x1	-.1864901	.1967702	-0.95	0.343	-.5721526	.1991724
Hpublic_i~x2	.2258851	.1896047	1.19	0.234	-.1457334	.5975035
Hpublic_~2dg	.1452184	.2167342	0.67	0.503	-.2795728	.5700096
Hpublic_~5dg	.2269364	.211756	1.07	0.284	-.1880978	.6419706
Hpublic_in~r	.201831	.226302	0.89	0.372	-.2417128	.6453748
Hpublic_i~25	-.0904675	.1883249	-0.48	0.631	-.4595776	.2786426
Hpublic_i~50	-.2025279	.1861908	-1.09	0.277	-.5674552	.1623995
Hpublic_in~c	-.1455055	.127699	-1.14	0.255	-.3957909	.1047799
aHpublic_~h1	.0982871	.3712942	0.26	0.791	-.6294361	.8260103
aHpublic_~h2	.3788846	.4952147	0.77	0.444	-.5917185	1.349488
aHpublic_~x1	-.5096159	.480013	-1.06	0.288	-1.450424	.4311923
aHpublic_~x2	.0431253	.4495589	0.10	0.924	-.837994	.9242445
aHpublic~2dg	-.0563917	.5041768	-0.11	0.911	-1.04456	.9317767
aHpublic~5dg	-.0033016	.5243577	-0.01	0.995	-1.031024	1.024421
aHpublic_i~r	-.1036499	.5345856	-0.19	0.846	-1.151418	.9441186
aHpublic_~25	-.2009923	.4498327	-0.45	0.655	-1.082648	.6806637
aHpublic_~50	-.2753941	.4339058	-0.63	0.526	-1.125834	.5750457
aHpublic_i~c	.0993165	.2984551	0.33	0.739	-.4856448	.6842778
health1	.9334992	.1608343	5.80	0.000	.6182698	1.248729
health2	.8428672	.2017982	4.18	0.000	.44735	1.238384
flex1	2.854429	.2322069	12.29	0.000	2.399312	3.309546
flex2	2.78435	.2255989	12.34	0.000	2.342184	3.226515
cvt2dg	.3780106	.2133628	1.77	0.076	-.0401727	.7961939
cvt5dg	1.471078	.2139938	6.87	0.000	1.051658	1.890498
cvt2uger	.5431418	.229609	2.37	0.018	.0931165	.9931672

```
    bonus25 |   1.414107   .2149107     6.58   0.000     .9928902    1.835325
    bonus50 |    1.47619   .2015221     7.33   0.000     1.081214    1.871166
         pc |   .9607307   .1347218     7.13   0.000     .6966808    1.224781
-------------+----------------------------------------------------------------
SD           |
    health1 |      .0678   .3250724     0.21   0.835    -.5693302    .7049302
    health2 |   1.218473   .1998264     6.10   0.000     .8268208    1.610126
     flex1 |   1.502312   .1639602     9.16   0.000     1.180956    1.823668
     flex2 |    1.90502   .1746968    10.90   0.000      1.56262    2.247419
    cvt2dg |   1.412639   .2329298     6.06   0.000     .9561055    1.869173
    cvt5dg |   1.279614   .2340494     5.47   0.000     .8208853    1.738342
   cvt2uger |   -1.30432   .2454244    -5.31   0.000    -1.785343   -.8232965
    bonus25 |   .3378074   .2412579     1.40   0.161    -.1350494    .8106643
    bonus50 |   1.265148   .2436923     5.19   0.000     .7875196    1.742776
         pc |  -.7990136   .1312775    -6.09   0.000    -1.056313   -.5417145
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=10032.02 18:40:08
```

```
==============================================================================
. *Hattract_policy_ ============================================================
==============================================================================
```

```
. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $xvar_attractpol          if vsamehours==1, group(vid)
rand($randvar) id(id) nrep(100)

Iteration 0:   log likelihood = -4756.6733  (not concave)
Iteration 1:   log likelihood =  -4701.123
Iteration 2:   log likelihood = -4629.2651  (not concave)
Iteration 3:   log likelihood = -4625.7481
Iteration 4:   log likelihood = -4596.2572
Iteration 5:   log likelihood = -4592.5895
Iteration 6:   log likelihood = -4592.5431
Iteration 7:   log likelihood = -4592.5431

Mixed logit model                         Number of obs   =      20100
                                  LR chi2(10)     =     337.17
Log likelihood = -4592.5431               Prob > chi2     =     0.0000

------------------------------------------------------------------------------
     choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Mean         |
   dispwage |   9.556102   .7458293    12.81   0.000     8.094303     11.0179
female_hea~1 |   .2828278   .1483178     1.91   0.057    -.0078698    .5735255
female_hea~2 |   .0271902    .189322     0.14   0.886    -.3438741    .3982546
female_flex1 |   .3818692   .1868346     2.04   0.041      .01568    .7480583
female_flex2 |   .4345465   .1789017     2.43   0.015     .0839057    .7851874
  female_2dg |   .3642186   .2032569     1.79   0.073    -.0341576    .7625949
  female_5dg |   .3094511   .1996537     1.55   0.121     -.081863    .7007651
female_2uger |   .4237523   .2128748     1.99   0.047     .0065254    .8409792
```

```
  female_b25 |   .0042798   .1781478     0.02   0.981    -.3448835    .3534431
  female_b50 |   .1124611   .1735405     0.65   0.517     -.227672    .4525941
   female_pc |  -.1261756    .120143    -1.05   0.294    -.3616515    .1093002
 old_health1 |  -.1127217   .2339853    -0.48   0.630    -.5713244    .3458811
 old_health2 |   .3009864   .2968717     1.01   0.311    -.2808714    .8828442
   old_flex1 |   .5789818   .2994842     1.93   0.053    -.0079964     1.16596
   old_flex2 |   .2937648   .2944918     1.00   0.319    -.2834284    .8709581
    old_2dg |  -.0800779   .3113155    -0.26   0.797     -.690245    .5300892
    old_5dg |   .1546886   .3046633     0.51   0.612    -.4424406    .7518178
  old_2uger |   .0574477   .3228618     0.18   0.859    -.5753498    .6902453
    old_b25 |   .0577197   .2832722     0.20   0.839    -.4974836    .6129229
    old_b50 |   -.603023   .2832277    -2.13   0.033    -1.158139   -.0479068
     old_pc |  -.4200918   .1968419    -2.13   0.033    -.8058948   -.0342889
lowedu_hea~1 |   .1857429   .1482348     1.25   0.210    -.104792    .4762778
lowedu_hea~2 |   .4889652    .190658     2.56   0.010     .1152823    .8626481
lowedu_flex1 |   -.308471   .1867057    -1.65   0.098    -.6744073    .0574654
lowedu_flex2 |  -.4735222   .1801307    -2.63   0.009    -.8265719   -.1204724
 lowedu_2dg |  -.0512121   .2028686    -0.25   0.801    -.4488273    .3464031
 lowedu_5dg |  -.4674586   .2003188    -2.33   0.020    -.8600762    -.074841
lowedu_2uger |  -.5331342   .2140936    -2.49   0.013     -.95275   -.1135184
 lowedu_b25 |   .1186231   .1781223     0.67   0.505    -.2304901    .4677364
 lowedu_b50 |    -.30199   .1750558    -1.73   0.085     -.645093     .041113
  lowedu_pc |  -.1797033   .1208543    -1.49   0.137    -.4165735    .0571668
Hattract_~h1 |   -.027327   .1485838    -0.18   0.854     -.318546    .2638919
Hattract_~h2 |   .2025787   .1896663     1.07   0.285    -.1691604    .5743178
Hattract_~x1 |   .0386373   .1861987     0.21   0.836    -.3263056    .4035801
Hattract_~x2 |   .0096302   .1798636     0.05   0.957    -.3428961    .3621564
Hattract~2dg |   .3983989   .2037064     1.96   0.050    -.0008583     .797656
Hattract~5dg |   .2931204    .200707     1.46   0.144    -.1002582    .6864989
Hattract_p~r |   .2841803   .2130069     1.33   0.182    -.1333056    .7016663
Hattract_~25 |  -.2531375    .17814    -1.42   0.155    -.6022855    .0960105
Hattract_~50 |  -.0520263   .1749991    -0.30   0.766    -.3950183    .2909658
Hattract_p~c |  -.0078408   .1205367    -0.07   0.948    -.2440883    .2284068
    health1 |   .8601257   .1499312     5.74   0.000     .566266    1.153985
    health2 |   .8357847    .189213     4.42   0.000     .464934    1.206635
      flex1 |   2.781319   .2154228    12.91   0.000     2.359098     3.20354
      flex2 |   2.932826    .221291    13.25   0.000     2.499104    3.366549
     cvt2dg |   .3037807   .1958326     1.55   0.121    -.0800441    .6876056
     cvt5dg |   1.507027   .1996121     7.55   0.000     1.115794    1.898259
   cvt2uger |   .5364849   .2133296     2.51   0.012     .1183665    .9546033
    bonus25 |   1.448691   .2021918     7.16   0.000     1.052402    1.844979
    bonus50 |   1.375742   .1865324     7.38   0.000     1.010145    1.741339
         pc |   .9062142   .1243627     7.29   0.000     .6624677    1.149961
------------+------------------------------------------------------------------
SD          |
    health1 |   .0635972    .35321     0.18   0.857    -.6286817    .7558762
    health2 |   1.241596   .1990656     6.24   0.000     .8514349    1.631758
      flex1 |   1.513364   .1635369     9.25   0.000     1.192838    1.833891
      flex2 |   1.941223   .1761576    11.02   0.000     1.595961    2.286486
     cvt2dg |   1.392894    .235276     5.92   0.000     .9317617    1.854027
     cvt5dg |   1.269554   .2362207     5.37   0.000     .8065703    1.732538
   cvt2uger |  -1.304785   .2444953    -5.34   0.000    -1.783987   -.8255829
    bonus25 |   .3243873   .2435303     1.33   0.183    -.1529234     .801698
    bonus50 |   1.260912   .2497597     5.05   0.000     .771392    1.750432
         pc |  -.7947965   .1300793    -6.11   0.000    -1.049747   -.5398457
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
```

being positive
r; t=6050.29 20:20:59

. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $sxvar_occup $xvar_attractpol $sHattract if vsamehours==1, group(vid) rand($randvar) id(id) nr
> ep(100)

Iteration 0: log likelihood = -4736.2054 (not concave)
Iteration 1: log likelihood = -4687.1651
Iteration 2: log likelihood = -4607.7935 (not concave)
Iteration 3: log likelihood = -4606.4343 (not concave)
Iteration 4: log likelihood = -4603.8216
Iteration 5: log likelihood = -4583.8955
Iteration 6: log likelihood = -4576.5582
Iteration 7: log likelihood = -4576.402
Iteration 8: log likelihood = -4576.4008
Iteration 9: log likelihood = -4576.4008

Mixed logit model   Number of obs   =   20100
                                  LR chi2(10)   =   328.46
Log likelihood = -4576.4008   Prob > chi2   =   0.0000

----
      choice | Coef.   Std. Err.   z   P>|z| [95% Conf. Interval]
-------------+--
Mean |
    dispwage | 9.473357   .7392898   12.81   0.000   8.024376   10.92234
female_hea~1 | .3043252   .1490719   2.04   0.041   .0121496   .5965008
female_hea~2 | .0711787   .191833   0.37   0.711   -.3048071   .4471645
female_flex1 | .3480799   .1876912   1.85   0.064   -.019788   .7159478
female_flex2 | .4362553   .1808528   2.41   0.016   .0817903   .7907202
  female_2dg | .3082996   .2031348   1.52   0.129   -.0898373   .7064365
  female_5dg | .2142766   .200176   1.07   0.284   -.1780611   .6066143
female_2uger | .4126704   .213552   1.93   0.053   -.0058839   .8312246
  female_b25 | .0081721   .1790865   0.05   0.964   -.3428311   .3591752
  female_b50 | .1475049   .174432   0.85   0.398   -.1943756   .4893854
   female_pc | -.1045749   .1206345   -0.87   0.386   -.3410142   .1318644
 old_health1 | -.1042795   .2336152   -0.45   0.655   -.5621569   .3535979
 old_health2 | .3266394   .2994031   1.09   0.275   -.2601798   .9134586
   old_flex1 | .5739198   .2982486   1.92   0.054   -.0106367   1.158476
   old_flex2 | .2890389   .2967442   0.97   0.330   -.292569   .8706467
     old_2dg | -.0823788   .3106265   -0.27   0.791   -.6911956   .526438
     old_5dg | .1847771   .3054823   0.60   0.545   -.4139573   .7835115
   old_2uger | .0551236   .3219974   0.17   0.864   -.5759796   .6862269
     old_b25 | .0787281   .2820766   0.28   0.780   -.4741319   .6315881
     old_b50 | -.6177877   .2827175   -2.19   0.029   -1.171904   -.0636716
      old_pc | -.4020404   .1958652   -2.05   0.040   -.7859292   -.0181516
lowedu_hea~1 | .1804213   .1478287   1.22   0.222   -.1093176   .4701603
lowedu_hea~2 | .4939383   .1911005   2.58   0.010   .1193883   .8684884
lowedu_flex1 | -.3121922   .1860339   -1.68   0.093   -.676812   .0524277
lowedu_flex2 | -.4867642   .1797471   -2.71   0.007   -.839062   -.1344665
  lowedu_2dg | -.0212597   .2018475   -0.11   0.916   -.4168735   .3743541
  lowedu_5dg | -.4083798   .1994621   -2.05   0.041   -.7993183   -.0174414
lowedu_2uger | -.5241979   .2132643   -2.46   0.014   -.9421883   -.1062076
  lowedu_b25 | .1210876   .1774536   0.68   0.495   -.2267151   .4688902
  lowedu_b50 | -.3184543   .1742706   -1.83   0.068   -.6600184   .0231097
   lowedu_pc | -.1860407   .120217   -1.55   0.122   -.4216617   .0495803

```
  s_health1 |  -.0263857   .4632792    -0.06   0.955    -.9343963    .8816249
  s_health2 |   .2015729    .586124     0.34   0.731    -.9472091    1.350355
    s_flex1 |  -.1664407   .5566374    -0.30   0.765     -1.25743    .9245485
    s_flex2 |  -.7607285   .5291265    -1.44   0.151    -1.797797    .2763405
      s_2dg |   1.088908   .6119678     1.78   0.075    -.1105272    2.288342
      s_5dg |    .835004   .6214911     1.34   0.179     -.383096    2.053104
    s_2uger |    1.56941   .6687535     2.35   0.019      .258677    2.880143
      s_b25 |   -.161667    .529951    -0.31   0.760    -1.200352    .8770179
      s_b50 |  -.6324044   .5275262    -1.20   0.231    -1.666337     .401528
       s_pc |  -.8299574   .3558363    -2.33   0.020    -1.527384   -.1325312
Hattract_~h1 |  -.0038495   .1513877    -0.03   0.980     -.300564     .292865
Hattract_~h2 |   .2445165    .194821     1.26   0.209    -.1373258    .6263587
Hattract_~x1 |  -.0102351   .1903841    -0.05   0.957    -.3833811    .3629109
Hattract_~x2 |  -.0566336   .1842841    -0.31   0.759    -.4178237    .3045566
Hattract~2dg |   .4229344    .208123     2.03   0.042     .0150209    .8308479
Hattract~5dg |   .2284416   .2049715     1.11   0.265    -.1732951    .6301783
Hattract_p~r |   .4125383   .2176835     1.90   0.058    -.0141136    .8391902
Hattract_~25 |  -.2405514   .1821434    -1.32   0.187     -.597546    .1164431
Hattract_~50 |  -.0693774   .1784894    -0.39   0.698    -.4192101    .2804554
Hattract_p~c |  -.0508516   .1231341    -0.41   0.680    -.2921899    .1904867
sHattract~h1 |  -.5683106   .7330495    -0.78   0.438    -2.005061     .86844
sHattract~h2 |  -.6729132   .8804212    -0.76   0.445    -2.398507    1.052681
sHattract~x1 |   1.034539   .8362368     1.24   0.216    -.6044549    2.673533
sHattract~x2 |   1.191434   .8014594     1.49   0.137    -.3793979    2.762265
sHattrac~2dg |  -.0656428   .9137772    -0.07   0.943    -1.856613    1.725328
sHattrac~5dg |   1.076189   .9595985     1.12   0.262    -.8045894    2.956968
sHattract_~r |  -2.235835   1.010915    -2.21   0.027    -4.217193   -.2544775
sHattract~25 |   -.071255   .7972743    -0.09   0.929    -1.633884    1.491374
sHattract~50 |   .7054083   .8024515     0.88   0.379    -.8673677    2.278184
sHattract_~c |   .9221335   .5356423     1.72   0.085    -.1277061    1.971973
    health1 |   .8392129   .1499001     5.60   0.000     .545414    1.133012
    health2 |    .796605    .191279     4.16   0.000    .4217051    1.171505
      flex1 |    2.7815   .2155365    12.91   0.000    2.359056    3.203944
      flex2 |   2.961343   .2218788    13.35   0.000    2.526468    3.396217
     cvt2dg |   .2516801   .1960861     1.28   0.199    -.1326415    .6360017
     cvt5dg |   1.469078   .1993144     7.37   0.000    1.078429    1.859727
   cvt2uger |    .454324   .2142743     2.12   0.034    .0343541     .874294
    bonus25 |   1.423563   .2023205     7.04   0.000    1.027022    1.820104
    bonus50 |   1.390768    .186367     7.46   0.000    1.025495     1.75604
         pc |   .9361255   .1255826     7.45   0.000    .6899881    1.182263
------------+----------------------------------------------------------------
SD          |
    health1 |   .1314812   .3578935     0.37   0.713    -.5699772    .8329396
    health2 |   1.263074   .1979293     6.38   0.000    .8751395    1.651008
      flex1 |   1.495235   .1629194     9.18   0.000    1.175919    1.814551
      flex2 |   1.939614   .1751979    11.07   0.000    1.596233    2.282996
     cvt2dg |   1.343653   .2369312     5.67   0.000    .8792759    1.808029
     cvt5dg |   1.252885   .2373133     5.28   0.000    .7877599    1.718011
   cvt2uger |  -1.287412   .2480676    -5.19   0.000   -1.773616   -.8012088
    bonus25 |   .3039385   .2516662     1.21   0.227    -.1893181    .7971951
    bonus50 |   1.207941    .25191     4.80   0.000    .7142066    1.701675
         pc |  -.7676502   .1334774    -5.75   0.000   -1.029261   -.5060393
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=12582.34 23:50:41
```

```
. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $uxvar_occup $xvar_attractpol $uHattract if vsamehours==1,
group(vid) rand($randvar) id(id) nr
> ep(100)

Iteration 0:   log likelihood = -4749.0357  (not concave)
Iteration 1:   log likelihood = -4695.8915
Iteration 2:   log likelihood = -4621.8511  (not concave)
Iteration 3:   log likelihood = -4616.7873
Iteration 4:   log likelihood = -4587.9763
Iteration 5:   log likelihood = -4585.0101
Iteration 6:   log likelihood = -4584.9822
Iteration 7:   log likelihood = -4584.9821

Mixed logit model                               Number of obs   =      20100
                                          LR chi2(10)     =     337.00
Log likelihood = -4584.9821                     Prob > chi2     =     0.0000

------------------------------------------------------------------------------
      choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Mean         |
    dispwage |   9.692173   .7627189    12.71   0.000     8.197272    11.18707
female_hea~1 |   .2823655   .1500474     1.88   0.060     -.011722     .576453
female_hea~2 |  -.0168828   .1914134    -0.09   0.930    -.3920462    .3582806
female_flex1 |    .424037   .1899371     2.23   0.026     .0517672    .7963068
female_flex2 |   .4750371   .1811185     2.62   0.009     .1200515    .8300228
  female_2dg |   .3507226    .20497     1.71   0.087    -.0510112    .7524565
  female_5dg |   .3006396   .2017379     1.49   0.136    -.0947593    .6960386
female_2uger |   .4106482   .2152193     1.91   0.056    -.0111739    .8324703
  female_b25 |   .0137324   .1806315     0.08   0.939    -.3402988    .3677635
  female_b50 |   .1311163   .1761567     0.74   0.457    -.2141445    .4763771
   female_pc |  -.1218816    .121566    -1.00   0.316    -.3601467    .1163834
 old_health1 |  -.1131011   .2363907    -0.48   0.632    -.5764184    .3502162
 old_health2 |   .2991222   .2993293     1.00   0.318    -.2875524    .8857968
   old_flex1 |   .5835731   .3018702     1.93   0.053    -.0080816    1.175228
   old_flex2 |   .3186373   .2969121     1.07   0.283    -.2632996    .9005742
     old_2dg |  -.0865316   .3133236    -0.28   0.782    -.7006347    .5275715
     old_5dg |   .1375483   .3080064     0.45   0.655    -.4661331    .7412297
   old_2uger |   .0674096   .3253071     0.21   0.836    -.5701806    .7049998
     old_b25 |   .0582095   .2859363     0.20   0.839    -.5022155    .6186344
     old_b50 |  -.5803625   .2874011    -2.02   0.043    -1.143658   -.0170667
      old_pc |  -.4285807   .1983066    -2.16   0.031    -.8172545   -.0399069
lowedu_hea~1 |    .21448   .1570533     1.37   0.172    -.0933388    .5222989
lowedu_hea~2 |   .5252843   .2024969     2.59   0.009     .1283977    .9221708
lowedu_flex1 |  -.4062827   .1974594    -2.06   0.040     -.793296   -.0192694
lowedu_flex2 |  -.6380421   .1923023    -3.32   0.001    -1.014948   -.2611366
  lowedu_2dg |   -.016559   .2134428    -0.08   0.938    -.4348991    .4017811
  lowedu_5dg |  -.4991486   .2121443    -2.35   0.019    -.9149437   -.0833534
lowedu_2uger |  -.5042845   .2255665    -2.24   0.025    -.9463867   -.0621823
  lowedu_b25 |   .1257498   .1882202     0.67   0.504     -.243155    .4946545
  lowedu_b50 |  -.3752309   .1867859    -2.01   0.045    -.7413246   -.0091372
   lowedu_pc |  -.2129595    .127194    -1.67   0.094    -.4622551    .0363362
   u_health1 |  -.0355503   .3571803    -0.10   0.921    -.7356107    .6645102
   u_health2 |   .1876884   .4409691     0.43   0.670    -.6765952    1.051972
     u_flex1 |  -.5046011   .4316047    -1.17   0.242    -1.350531    .3413286
     u_flex2 |  -.8554589   .4071435    -2.10   0.036    -1.653445   -.0574723
       u_2dg |   .3108158   .4780138     0.65   0.516    -.6260742    1.247706
```

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       u_5dg |  -.0395851   .4995784    -0.08   0.937    -1.018741    .9395706
     u_2uger |  -.0651155   .5080473    -0.13   0.898     -1.06087    .9306388
       u_b25 |  -.1666298   .4174573    -0.40   0.690     -.984831    .6515714
       u_b50 |  -.4376136   .4057394    -1.08   0.281    -1.232848     .357621
        u_pc |    .055433   .2804846     0.20   0.843    -.4943068    .6051727
 Hattract_~h1 |  -.0738101   .1579219    -0.47   0.640    -.3833313     .235711
 Hattract_~h2 |   .2107954   .2025099     1.04   0.298    -.1861167    .6077075
 Hattract_~x1 |   .0459502   .1975126     0.23   0.816    -.3411674    .4330677
 Hattract_~x2 |    .024802   .1917009     0.13   0.897    -.3509248    .4005289
 Hattract~2dg |   .4314662   .2160915     2.00   0.046     .0079346    .8549977
 Hattract~5dg |    .327912   .2139053     1.53   0.125    -.0913346    .7471587
 Hattract_p~r |   .2368415   .2264773     1.05   0.296    -.2070459    .6807289
 Hattract_~25 |  -.3054075   .1892183    -1.61   0.107    -.6762685    .0654536
 Hattract_~50 |  -.0489044   .1868036    -0.26   0.793    -.4150327    .3172239
 Hattract_p~c |    .041676   .1276538     0.33   0.744    -.2085209    .2918729
uHattract~h1 |   .3790223   .5061296     0.75   0.454    -.6129734    1.371018
uHattract~h2 |  -.0573255   .6201543    -0.09   0.926    -1.272806    1.158155
uHattract~x1 |  -.0079968   .6315077    -0.01   0.990    -1.245729    1.229735
uHattract~x2 |   .1255267   .5824632     0.22   0.829    -1.01608    1.267134
uHattrac~2dg |  -.2049716   .6973595    -0.29   0.769    -1.571771    1.161828
uHattrac~5dg |  -.2252975   .6940871    -0.32   0.745    -1.585683    1.135088
uHattract_~r |   .4230689   .7185411     0.59   0.556    -.9852459    1.831384
uHattract~25 |   .4112854   .6121125     0.67   0.502    -.7884332    1.611004
uHattract~50 |   .2690278   .5807521     0.46   0.643    -.8692254    1.407281
uHattract_~c |  -.4268884   .4138442    -1.03   0.302    -1.238008    .3842312
     health1 |   .8653347   .1573225     5.50   0.000     .5569882    1.173681
     health2 |   .8268597   .1996494     4.14   0.000      .435554    1.218165
       flex1 |   2.880535   .2274096    12.67   0.000     2.434821     3.32625
       flex2 |   3.095508   .2385939    12.97   0.000     2.627872    3.563143
      cvt2dg |   .2552123   .2059611     1.24   0.215     -.148464    .6588886
      cvt5dg |   1.533518   .2102843     7.29   0.000     1.121368    1.945667
    cvt2uger |   .5450721   .2241492     2.43   0.015     .1057478    .9843965
     bonus25 |   1.482661   .2127326     6.97   0.000     1.065713    1.899609
     bonus50 |    1.44987   .1992509     7.28   0.000     1.059345    1.840394
          pc |   .9155751   .1303914     7.02   0.000     .6600128    1.171137
-------------+----------------------------------------------------------------
SD           |
     health1 |   .0120178   .3622935     0.03   0.974    -.6980644       .7221
     health2 |   1.253141   .2025362     6.19   0.000     .8561775    1.650105
       flex1 |   1.526095   .1663694     9.17   0.000     1.200017    1.852173
       flex2 |   1.944655   .1783107    10.91   0.000     1.595172    2.294137
      cvt2dg |   1.386712   .2375128     5.84   0.000     .9211956    1.852229
      cvt5dg |   1.293034   .2409954     5.37   0.000     .8206922    1.765377
    cvt2uger |  -1.327363   .2463348    -5.39   0.000     -1.81017   -.8445555
     bonus25 |   .3623834   .2387256     1.52   0.129    -.1055102    .8302771
     bonus50 |    1.29139   .2479757     5.21   0.000     .8053664    1.777413
          pc |   -.806198   .1301414    -6.19   0.000     -1.06127   -.5511256
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=10020.07 2:37:41

. mixlogit choice dispwage $xvar1 $xvar2 $xvar3 $axvar_occup $xvar_attractpol $aHattract if vsamehours==1,
group(vid) rand($randvar) id(id) nr
> ep(100)

Iteration 0:   log likelihood = -4734.4409  (not concave)
```

```
Iteration 1:   log likelihood = -4683.2433
Iteration 2:   log likelihood = -4605.0058  (not concave)
Iteration 3:   log likelihood = -4603.6199  (not concave)
Iteration 4:   log likelihood = -4602.1094
Iteration 5:   log likelihood = -4593.7876
Iteration 6:   log likelihood = -4571.9206
Iteration 7:   log likelihood = -4570.5374
Iteration 8:   log likelihood = -4570.5322
Iteration 9:   log likelihood = -4570.5322

Mixed logit model                               Number of obs   =      20100
                                          LR chi2(10)     =     336.76
Log likelihood = -4570.5322               Prob > chi2     =     0.0000

------------------------------------------------------------------------------
      choice |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Mean         |
    dispwage |   9.698215   .7519259    12.90   0.000     8.224467    11.17196
female_hea~1 |   .3053558   .1497309     2.04   0.041     .0118886    .5988231
female_hea~2 |   .0275615   .1908398     0.14   0.885    -.3464777    .4016007
female_flex1 |   .3424024   .1883681     1.82   0.069    -.0267923    .7115971
female_flex2 |   .3801608   .1815627     2.09   0.036     .0243045     .736017
  female_2dg |    .441932   .2057367     2.15   0.032     .0386956    .8451685
  female_5dg |   .3188311   .2002883     1.59   0.111    -.0737269     .711389
female_2uger |   .4537178   .2149082     2.11   0.035     .0325055    .8749301
  female_b25 |    .025675   .1800633     0.14   0.887    -.3272426    .3785926
  female_b50 |   .1215199   .1743619     0.70   0.486    -.2202232     .463263
   female_pc |  -.1717611    .121966    -1.41   0.159     -.41081    .0672878
 old_health1 |  -.1122536   .2354961    -0.48   0.634    -.5738175    .3493103
 old_health2 |   .3055948    .298749     1.02   0.306    -.2799425    .8911321
   old_flex1 |   .5788265   .3016491     1.92   0.055    -.0123949    1.170048
   old_flex2 |   .3066955    .29834     1.03   0.304    -.2780402    .8914313
     old_2dg |  -.0908269   .3128542    -0.29   0.772    -.7040099     .522356
     old_5dg |   .1207201   .3042994     0.40   0.692    -.4756958    .7171359
   old_2uger |   .0540225    .323919     0.17   0.868     -.580847     .688892
     old_b25 |   .0295063    .284999     0.10   0.918    -.5290815     .588094
     old_b50 |  -.5858912   .2841123    -2.06   0.039    -1.142741   -.0290414
      old_pc |  -.4101052   .1984046    -2.07   0.039    -.7989711   -.0212394
lowedu_hea~1 |   .1894726   .1491275     1.27   0.204     -.102812    .4817572
lowedu_hea~2 |   .4930212   .1917697     2.57   0.010     .1171595    .8688828
lowedu_flex1 |   -.325725    .187716    -1.74   0.083    -.6936415    .0421916
lowedu_flex2 |  -.5085152   .1821205    -2.79   0.005    -.8654647   -.1515656
  lowedu_2dg |  -.0311555   .2034126    -0.15   0.878    -.4298369    .3675259
  lowedu_5dg |  -.4685671   .2005358    -2.34   0.019     -.86161   -.0755242
lowedu_2uger |  -.5361953   .2150298    -2.49   0.013    -.9576459   -.1147447
  lowedu_b25 |   .1273694   .1789568     0.71   0.477    -.2233796    .4781183
  lowedu_b50 |    -.29858   .1758597    -1.70   0.090    -.6432587    .0460988
   lowedu_pc |  -.1899981   .1216635    -1.56   0.118    -.4284542     .048458
   a_health1 |  -.0362031   .2472355    -0.15   0.884    -.5207758    .4483695
   a_health2 |   .4876216   .3513528     1.39   0.165    -.2010173     1.17626
     a_flex1 |   .4553947   .3270834     1.39   0.164     -.185677    1.096466
     a_flex2 |    .69069   .3079645     2.24   0.025     .0870908    1.294289
       a_2dg |    .305102   .3368207     0.91   0.365    -.3550544    .9652583
       a_5dg |   .2597259   .3586923     0.72   0.469    -.4432981    .9627499
     a_2uger |   .3194944   .3572267     0.89   0.371    -.3806571    1.019646
       a_b25 |   .5540913   .3002874     1.85   0.065    -.0344611    1.142644
```

```
      a_b50 |   .5255045    .317036     1.66   0.097    -.0958747    1.146884
       a_pc |  -.055235   .1987992    -0.28   0.781    -.4448743    .3344042
Hattract_~h1 |   .0417807   .1581975     0.26   0.792    -.2682806    .3518421
Hattract_~h2 |   .2445794   .2018727     1.21   0.226    -.1510838    .6402427
Hattract_~x1 |   .0067418   .1979491     0.03   0.973    -.3812314     .394715
Hattract_~x2 |   .0461972   .1920259     0.24   0.810    -.3301666     .422561
Hattract~2dg |   .5312097   .2173738     2.44   0.015     .105165    .9572544
Hattract~5dg |   .3054621   .2122386     1.44   0.150    -.1105179    .7214421
Hattract_p~r |   .3594831   .2271464     1.58   0.114    -.0857157    .8046819
Hattract_~25 |  -.0765345   .1885831    -0.41   0.685    -.4461507    .2930816
Hattract_~50 |   .1301035   .1867093     0.70   0.486     -.23584    .4960471
Hattract_p~c |  -.0862447   .1285848    -0.67   0.502    -.3382662    .1657769
aHattract~h1 |  -.3777004   .3763848    -1.00   0.316    -1.115401    .3600002
aHattract~h2 |  -.3989512   .4975212    -0.80   0.423    -1.374075    .5761724
aHattract~x1 |   .2010754   .4824709     0.42   0.677    -.7445501    1.146701
aHattract~x2 |  -.2802181   .4544496    -0.62   0.537    -1.170923    .6104867
aHattrac~2dg |  -.7883066   .5109997    -1.54   0.123    -1.789848    .2132344
aHattrac~5dg |   .0094285   .5256439     0.02   0.986    -1.020815    1.039672
aHattract_~r |  -.3912692   .5400727    -0.72   0.469    -1.449792    .6672538
aHattract~25 |  -1.094243   .4598001    -2.38   0.017    -1.995435   -.1930516
aHattract~50 |  -1.113183   .4384857    -2.54   0.011    -1.972599    -.253767
aHattract_~c |   .5084505   .3050822     1.67   0.096    -.0894996    1.106401
     health1 |   .8599374   .1542234     5.58   0.000     .557665     1.16221
     health2 |   .7730283   .1936294     3.99   0.000    .3935217    1.152535
       flex1 |   2.756955   .2201225    12.52   0.000    2.325523    3.188388
       flex2 |   2.894381   .2255203    12.83   0.000    2.452369    3.336392
      cvt2dg |   .2088118   .2007707     1.04   0.298    -.1846915    .6023151
      cvt5dg |   1.458201   .2031619     7.18   0.000     1.060011    1.856391
    cvt2uger |   .4783433   .2195668     2.18   0.029     .0480003    .9086863
     bonus25 |   1.363089   .2055611     6.63   0.000     .9601967    1.765981
     bonus50 |   1.295125   .1884779     6.87   0.000     .9257152    1.664535
          pc |   .9421646   .1289096     7.31   0.000     .6895064    1.194823
-------------+----------------------------------------------------------------
SD           |
     health1 |   .0905934    .317828     0.29   0.776    -.5323379    .7135248
     health2 |   1.222459   .1999596     6.11   0.000     .8305453    1.614372
       flex1 |   1.528714   .1636152     9.34   0.000     1.208034    1.849394
       flex2 |    1.96079   .1770033    11.08   0.000      1.61387     2.30771
      cvt2dg |    1.37422    .237131     5.80   0.000     .9094516    1.838988
      cvt5dg |   1.227065   .2439215     5.03   0.000     .7489879    1.705143
    cvt2uger |  -1.297561   .2419525    -5.36   0.000    -1.771779   -.8233425
     bonus25 |    .321544   .2429884     1.32   0.186    -.1547045    .7977924
     bonus50 |   1.248557   .2544409     4.91   0.000     .7498626    1.747252
          pc |  -.8141014   .1308202    -6.22   0.000    -1.070504   -.5576984
------------------------------------------------------------------------------
The sign of the estimated standard deviations is irrelevant: interpret them as
being positive
r; t=12557.34 6:06:58


. *
================================================================================
====
. log close
      name:  <unnamed>
       log:  L:\P2881_Lon eller personalegoder\log\regress\mixlogit_PSM_occup_IIa.txt
  log type:  text
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closed on: 28 May 2010, 02:47:06
