```
      name:  <unnamed>
       log:  C:\stata_datafolder\20180528_HBC\20181217_SESadded_log.smcl
  log type:  smcl
 opened on:  17 Dec 2018, 22:13:12

1 .
2 . *** Table 1 ***
3 . sum ptinc0

    Variable |        Obs        Mean    Std. Dev.       Min        Max
-------------+---------------------------------------------------------
      ptinc0 |        969    617.6068    283.9349        100       2700

4 .
5 . log c
      name:  <unnamed>
       log:  C:\stata_datafolder\20180528_HBC\20181217_SESadded_log.smcl
  log type:  smcl
 closed on:  17 Dec 2018, 22:13:12
```

```
      name:  <unnamed>
       log:  C:\stata_datafolder\20180528_HBC\20181217_SESadded_log.smcl
  log type:  smcl
 opened on:  17 Dec 2018, 22:13:12

6 .
7 . *** mopd3 vs MSEL: Table 2 ***
8 . mi est, saving(es): reg mlelt10 i.mopd3 male i.parit3 twin bw ga ptinc0 moag01 moed01 faag01

Multiple-imputation estimates                   Imputations       =         20
Linear regression                               Number of obs     =        969
                                                Average RVI       =     0.0488
                                                Largest FMI       =     0.1044
                                                Complete DF       =        952
DF adjustment:   Small sample                   DF:     min       =     576.67
                                                        avg       =     805.54
                                                        max       =     903.73
Model F test:       Equal FMI                   F(  16,  943.1)   =       3.62
Within VCE type:          OLS                   Prob > F          =     0.0000

------------------------------------------------------------------------------
     mlelt10 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
       mopd3 |
  PPD_Early  |   .8784054   1.042856     0.84   0.400    -1.168561    2.925372
   PPD_Late  |   .1350416   1.533248     0.09   0.930    -2.874338    3.144422
             |
        male |  -1.707814   .6319078    -2.70   0.007    -2.948032   -.4675956
             |
      parit3 |
          1  |  -.1215145   .7115049    -0.17   0.864    -1.518192    1.275163
         2+  |  -1.303159   1.044667    -1.25   0.213    -3.353724    .7474062
             |
        twin |  -2.569248    1.90124    -1.35   0.177    -6.300714    1.162218
          bw |   .0026702    .000917     2.91   0.004     .0008703      .00447
          ga |   .5429833   .2788155     1.95   0.052    -.0044345    1.090401
      ptinc0 |   .0003401    .001239     0.27   0.784    -.0020916    .0027718
      moag01 |   .1689023   .0979225     1.72   0.085    -.0233284    .3611331
      moed01 |   .1909828   .1895137     1.01   0.314    -.1809875     .562953
      faag01 |  -.1940066   .0834724    -2.32   0.020    -.3578421   -.0301712
      faed01 |  -.1758145   .1372275    -1.28   0.200    -.4451363    .0935072
  mopsyafdfor0 |  -.4268611   1.063067    -0.40   0.688    -2.513397    1.659675
  mopsyanxfor0 |  -.9104294   1.724988    -0.53   0.598    -4.296654    2.475796
          bf |   .0483292   .0531333     0.91   0.363    -.0560026     .152661
       _cons |   20.48025   10.34822     1.98   0.048     .1554547    40.80504
------------------------------------------------------------------------------
```

```
 9 . erase es.ster

10 .
11 . mi est, saving(es): reg mlelt14 i.mopd3 male i.parit3 twin bw ga ptinc0 moag01 moed01 faag01
```

Multiple-imputation estimates		Imputations	= 20
Linear regression		Number of obs	= 969
		Average RVI	= 0.1124
		Largest FMI	= 0.2046
		Complete DF	= 952
DF adjustment: **Small sample**		DF: min	= 290.69
		avg	= 606.99
		max	= 834.85
Model F test: **Equal FMI**		F(16, 918.4)	= 4.51
Within VCE type: **OLS**		Prob > F	= 0.0000

mlelt14	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
mopd3						
PPD_Early	-.3489003	1.128808	-0.31	0.757	-2.564829	1.867029
PPD_Late	-1.444098	1.688266	-0.86	0.393	-4.759154	1.870957
male	-2.326837	.7107944	-3.27	0.001	-3.723159	-.930516
parit3						
1	.6115509	.7596651	0.81	0.421	-.8795271	2.102629
2+	1.068106	1.164886	0.92	0.360	-1.220314	3.356526
twin	-7.391575	2.092095	-3.53	0.000	-11.49912	-3.28403
bw	.0028624	.0010061	2.85	0.005	.0008872	.0048377
ga	.2775021	.3104304	0.89	0.372	-.3325772	.8875815
ptinc0	-.001012	.0013616	-0.74	0.458	-.0036854	.0016615
moag01	.016709	.1069552	0.16	0.876	-.193325	.226743
moed01	.257825	.2076233	1.24	0.215	-.1498215	.6654715
faag01	-.1375712	.0946621	-1.45	0.147	-.3236021	.0484596
faed01	-.189742	.1497345	-1.27	0.205	-.4836642	.1041802
mopsyafdfor0	1.535893	1.252788	1.23	0.221	-.9297924	4.001578
mopsyanxfor0	-4.198751	1.893982	-2.22	0.027	-7.91842	-.479083
bf	.0763039	.0578628	1.32	0.188	-.037353	.1899609
_cons	34.05232	11.31179	3.01	0.003	11.82369	56.28096

```
12 . erase es.ster

13 .
14 . mi est, saving(es): reg mlelt18 i.mopd3 male i.parit3 twin bw ga ptinc0 moag01 moed01 faag01
```

Multiple-imputation estimates		Imputations	= 20
Linear regression		Number of obs	= 969
		Average RVI	= 0.0644
		Largest FMI	= 0.1228
		Complete DF	= 952
DF adjustment: **Small sample**		DF: min	= 507.49
		avg	= 759.29
		max	= 864.96
Model F test: **Equal FMI**		F(16, 938.1)	= 4.54
Within VCE type: **OLS**		Prob > F	= 0.0000

mlelt18	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
mopd3						
PPD_Early	1.035276	1.052294	0.98	0.326	-1.03137	3.101922
PPD_Late	-3.456846	1.529024	-2.26	0.024	-6.458711	-.4549804
male	-2.930991	.6243618	-4.69	0.000	-4.156503	-1.70548
parit3						
1	-.525465	.6945662	-0.76	0.450	-1.888793	.8378628
2+	-.2038627	1.025239	-0.20	0.842	-2.216305	1.80858
twin	-1.886649	1.959963	-0.96	0.336	-5.737289	1.963991

bw	.0034686	.0008997	3.86	0.000	.0017027	.0052346
ga	.0986129	.2707123	0.36	0.716	-.4327952	.630021
ptinc0	-.0006823	.0012232	-0.56	0.577	-.0030833	.0017187
moag01	.1070037	.0956278	1.12	0.263	-.0807085	.2947159
moed01	.3674318	.1878744	1.96	0.051	-.0013778	.7362414
faag01	-.1357872	.0829556	-1.64	0.102	-.29864	.0270657
faed01	-.0280238	.1364948	-0.21	0.837	-.2959507	.2399031
mopsyafdfor0	-.8894855	1.045423	-0.85	0.395	-2.941455	1.162484
mopsyanxfor0	-.9837988	1.716937	-0.57	0.567	-4.355185	2.387587
bf	.094631	.0510921	1.85	0.064	-.0056558	.1949178
_cons	32.22546	9.960645	3.24	0.001	12.67036	51.78056

15 . erase es.ster

16 .
17 . mi est, saving(es): reg mlelt24 i.mopd3 male i.parit3 twin bw ga ptinc0 moag01 moed01 faag01

Multiple-imputation estimates — Imputations = 20
Linear regression — Number of obs = 969
Average RVI = 0.0792
Largest FMI = 0.1177
Complete DF = 952
DF adjustment: **Small sample** — DF: min = 525.65
avg = 722.27
max = 900.53
Model F test: **Equal FMI** — F(16, 933.9) = 5.68
Within VCE type: **OLS** — Prob > F = 0.0000

mlelt24	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
mopd3						
PPD_Early	.8125929	1.069294	0.76	0.448	-1.286799	2.911985
PPD_Late	-5.578102	1.590287	-3.51	0.000	-8.7009	-2.455305
male	-3.564292	.6571029	-5.42	0.000	-4.854576	-2.274008
parit3						
1	-.6009594	.7273765	-0.83	0.409	-2.029107	.8271883
2+	-.742233	1.042187	-0.71	0.477	-2.78763	1.303164
twin	-.0571122	1.975359	-0.03	0.977	-3.935809	3.821584
bw	.0035198	.0009278	3.79	0.000	.0016987	.0053409
ga	-.0073355	.2795085	-0.03	0.979	-.5560342	.5413633
ptinc0	.0000754	.0012822	0.06	0.953	-.0024421	.0025929
moag01	.0840436	.0995894	0.84	0.399	-.1114839	.2795712
moed01	.3775889	.1947703	1.94	0.053	-.0048047	.7599825
faag01	-.1076562	.08749	-1.23	0.219	-.2795031	.0641908
faed01	.1345896	.1418526	0.95	0.343	-.1438968	.4130761
mopsyafdfor0	-1.813335	1.069536	-1.70	0.090	-3.912472	.2858012
mopsyanxfor0	-2.418976	1.733091	-1.40	0.163	-5.820816	.9828647
bf	.1020751	.0546375	1.87	0.062	-.0052595	.2094097
_cons	34.45221	10.16066	3.39	0.001	14.50766	54.39676

18 . erase es.ster

19 .
20 . mi est, saving(es): reg mlelt32 i.mopd3 male i.parit3 twin bw ga ptinc0 moag01 moed01 faag01

Multiple-imputation estimates — Imputations = 20
Linear regression — Number of obs = 969
Average RVI = 0.1211
Largest FMI = 0.2002
Complete DF = 952
DF adjustment: **Small sample** — DF: min = 299.11
avg = 563.07
max = 846.63
Model F test: **Equal FMI** — F(16, 917.8) = 6.92
Within VCE type: **OLS** — Prob > F = 0.0000

mlelt32	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
mopd3						
PPD_Early	.5456742	1.065917	0.51	0.609	-1.547142	2.638491
PPD_Late	-4.680582	1.596651	-2.93	0.004	-7.816535	-1.54463
male	-2.931613	.6485512	-4.52	0.000	-4.204875	-1.65835
parit3						
1	-1.123035	.7485923	-1.50	0.134	-2.594168	.3480982
2+	-1.962061	1.070483	-1.83	0.067	-4.064024	.1399028
twin	1.299949	2.011473	0.65	0.518	-2.652011	5.251909
bw	.0021563	.000949	2.27	0.023	.0002928	.0040199
ga	.2420647	.2992962	0.81	0.419	-.3467933	.8309226
ptinc0	.002623	.0013186	1.99	0.047	.0000316	.0052143
moag01	.0487273	.1000758	0.49	0.626	-.1477954	.2452501
moed01	.4694351	.2050442	2.29	0.023	.0661948	.8726755
faag01	-.0458531	.0870128	-0.53	0.598	-.2167582	.1250519
faed01	.3189691	.1439342	2.22	0.027	.0362747	.6016635
mopsyafdfor0	-2.438037	1.069982	-2.28	0.023	-4.538166	-.3379085
mopsyanxfor0	-4.173744	1.765558	-2.36	0.018	-7.640843	-.7066444
bf	.0774798	.0535329	1.45	0.148	-.0276409	.1826006
_cons	22.34709	10.99578	2.03	0.043	.7081977	43.98598

```
21 . erase es.ster

22 .
23 . mi est, saving(es): reg mlelt40 i.mopd3 male i.parit3 twin bw ga ptinc0 moag01 moed01 faag01
```

Multiple-imputation estimates — Imputations = **20**
Linear regression — Number of obs = **969**
Average RVI = **0.0800**
Largest FMI = **0.1023**
Complete DF = **952**
DF adjustment: **Small sample** — DF: min = **584.97**
avg = **707.44**
max = **802.91**
Model F test: **Equal FMI** — F(**16**, **932.4**) = **9.25**
Within VCE type: **OLS** — Prob > F = **0.0000**

mlelt40	Coef.	Std. Err.	t	P>|t|	[95% Conf.	Interval]
mopd3						
PPD_Early	-1.152732	1.076555	-1.07	0.285	-3.266207	.9607425
PPD_Late	-5.489517	1.590696	-3.45	0.001	-8.61241	-2.366624
male	-3.51491	.6581649	-5.34	0.000	-4.807027	-2.222792
parit3						
1	-1.659444	.7386782	-2.25	0.025	-3.109921	-.2089666
2+	-3.265772	1.071161	-3.05	0.002	-5.368466	-1.163079
twin	2.96945	2.017911	1.47	0.142	-.9937824	6.932683
bw	.0029577	.0009568	3.09	0.002	.0010792	.0048363
ga	.2860102	.2831122	1.01	0.313	-.2697805	.841801
ptinc0	.0028425	.0012868	2.21	0.027	.0003163	.0053688
moag01	.137463	.1003057	1.37	0.171	-.0594562	.3343821
moed01	.5883871	.1998392	2.94	0.003	.1959109	.9808632
faag01	-.0888677	.0871392	-1.02	0.308	-.259963	.0822275
faed01	.3303654	.1444708	2.29	0.023	.0466971	.6140337
mopsyafdfor0	.1136272	1.110316	0.10	0.919	-2.066473	2.293728
mopsyanxfor0	-.984245	1.755207	-0.56	0.575	-4.42958	2.46109
bf	.1274077	.0538403	2.37	0.018	.0217053	.2331101
_cons	15.71294	10.33777	1.52	0.129	-4.581343	36.00721

```
24 . erase es.ster

25 .
26 . log c
      name:  <unnamed>
       log:  C:\stata_datafolder\20180528_HBC\20181217_SESadded_log.smcl
  log type:  smcl
 closed on:  17 Dec 2018, 22:13:26
-------------------------------------------------------------------------------

-------------------------------------------------------------------------------
      name:  <unnamed>
       log:  C:\stata_datafolder\20180528_HBC\20181217_SESadded_log.smcl
  log type:  smcl
 opened on:  17 Dec 2018, 22:13:30

27 .
28 . *** Table 3 ***
29 . mixed mlelt c.t##c.t##i.mopd3 male i.parit3 twin bw ga ptinc0 ///
> moag01 moed01 faag01 faed01 mopsyafdfor0 mopsyanxfor0 c.bf ///
> if t==10 | t==14 | t==18 | t==24 | t==32 | t==40 || id: t, cov(uns) vce(cluster moid) var

Performing EM optimization:

Performing gradient-based optimization:

Iteration 0:   log pseudolikelihood = -18677.317
Iteration 1:   log pseudolikelihood = -18677.315
Iteration 2:   log pseudolikelihood = -18677.315

Computing standard errors:

Mixed-effects regression                        Number of obs     =      5,243
Group variable: id                              Number of groups  =        969

                                                Obs per group:
                                                              min =          1
                                                              avg =        5.4
                                                              max =          6

                                                Wald chi2(22)     =     167.98
Log pseudolikelihood = -18677.315               Prob > chi2       =     0.0000

                                  (Std. Err. adjusted for 880 clusters in moid)
------------------------------------------------------------------------------
             |               Robust
       mlelt |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
           t |   .0817718   .0707555     1.16   0.248    -.0569063    .2204499
             |
      c.t#c.t |  -.0004497   .0013209    -0.34   0.734    -.0030386    .0021392
             |
       mopd3 |
   PPD_Early |  -.0501373   2.241195    -0.02   0.982    -4.442798    4.342523
    PPD_Late |   6.517835   3.792122     1.72   0.086    -.9145871    13.95026
             |
    mopd3#c.t |
   PPD_Early |   .1082812   .1977562     0.55   0.584    -.2793139    .4958763
    PPD_Late |  -.7397687   .3510081    -2.11   0.035    -1.427732   -.0518055
             |
mopd3#c.t#c.t |
   PPD_Early |  -.0033417    .003816    -0.88   0.381     -.010821    .0041376
    PPD_Late |   .0110893   .0068995     1.61   0.108    -.0024335    .0246122
             |
        male |  -2.714241   .4414514    -6.15   0.000     -3.57947   -1.849012
             |
      parit3 |
           1 |  -.4417205   .5015902    -0.88   0.379    -1.424819    .5413782
          2+ |  -.7493154   .6775878    -1.11   0.269    -2.077363    .5787323
             |
        twin |  -1.836303   1.499684    -1.22   0.221    -4.775629    1.103024
          bw |   .0030161   .0006424     4.69   0.000      .001757    .0042753
          ga |   .2483747   .1927844     1.29   0.198    -.1294758    .6262252
      ptinc0 |   .0004511   .0008032     0.56   0.574    -.0011232    .0020254
```

moag01	.1048003	.0720378	1.45	0.146	-.0363911	.2459918
moed01	.3380313	.1256603	2.69	0.007	.0917417	.5843209
faag01	-.1367185	.0603388	-2.27	0.023	-.2549804	-.0184565
faed01	.0260802	.0982551	0.27	0.791	-.1664962	.2186567
mopsyafdfor0	-.5939472	.8218502	-0.72	0.470	-2.204744	1.01685
mopsyanxfor0	-2.271809	1.297086	-1.75	0.080	-4.814051	.2704325
bf	.0829768	.0359888	2.31	0.021	.01244	.1535136
_cons	25.81529	7.246515	3.56	0.000	11.61239	40.0182

Random-effects Parameters	Estimate	Robust Std. Err.	[95% Conf.	Interval]
id: Unstructured				
var(t)	.0896732	.0089444	.0737496	.1090349
var(_cons)	67.45819	5.745698	57.08661	79.71409
cov(t,_cons)	-1.726095	.2065659	-2.130957	-1.321233
var(Residual)	47.62708	1.39883	44.96284	50.44918

```
30 .
31 . mixed mlelt c.t##i.mopd3 male i.parit3 twin bw ga ptinc0 ///
> moag01 moed01 faag01 faed01 mopsyafdfor0 mopsyanxfor0 c.bf ///
> if t==10 | t==14 | t==18 | t==24 | t==32 | t==40 || id: t, cov(uns) vce(cluster moid) var

Performing EM optimization:

Performing gradient-based optimization:

Iteration 0:   log pseudolikelihood = -18680.064
Iteration 1:   log pseudolikelihood = -18680.062
Iteration 2:   log pseudolikelihood = -18680.062

Computing standard errors:

Mixed-effects regression                        Number of obs     =      5,243
Group variable: id                              Number of groups  =        969

                                                Obs per group:
                                                              min =          1
                                                              avg =        5.4
                                                              max =          6

                                                Wald chi2(19)     =     165.22
Log pseudolikelihood = -18680.062               Prob > chi2       =     0.0000

                                 (Std. Err. adjusted for 880 clusters in moid)
```

mlelt	Coef.	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
t	.059393	.0156299	3.80	0.000	.028759	.0900269
mopd3						
PPD_Early	1.633861	1.140133	1.43	0.152	-.6007575	3.86848
PPD_Late	.9033042	1.829348	0.49	0.621	-2.682151	4.48876
mopd3#c.t						
PPD_Early	-.0577733	.0393359	-1.47	0.142	-.1348703	.0193237
PPD_Late	-.1874651	.0615341	-3.05	0.002	-.3080696	-.0668605
male	-2.718403	.4418076	-6.15	0.000	-3.58433	-1.852475
parit3						
1	-.4360222	.5019212	-0.87	0.385	-1.41977	.5477252
2+	-.7456034	.6775418	-1.10	0.271	-2.073561	.5823542
twin	-1.814682	1.520308	-1.19	0.233	-4.794431	1.165066
bw	.0030209	.0006424	4.70	0.000	.0017618	.00428
ga	.2485748	.1929178	1.29	0.198	-.1295371	.6266867
ptinc0	.0004511	.0008032	0.56	0.574	-.0011232	.0020253

moag01	.1038414	.0720745	1.44	0.150	-.037422	.2451047
moed01	.3383117	.1257898	2.69	0.007	.0917682	.5848551
faag01	-.1365739	.0603479	-2.26	0.024	-.2548536	-.0182941
faed01	.0263309	.0982903	0.27	0.789	-.1663146	.2189763
mopsyafdfor0	-.5890064	.8212951	-0.72	0.473	-2.198715	1.020702
mopsyanxfor0	-2.284554	1.297302	-1.76	0.078	-4.827218	.2581105
bf	.0828767	.0359911	2.30	0.021	.0123355	.1534179
_cons	26.04012	7.208838	3.61	0.000	11.91106	40.16918

Random-effects Parameters	Estimate	Robust Std. Err.	[95% Conf.	Interval]
id: Unstructured				
var(t)	.0896174	.0089549	.0736778	.1090054
var(_cons)	67.50925	5.759997	57.11332	79.79747
cov(t,_cons)	-1.726587	.206935	-2.132173	-1.321002
var(Residual)	47.69429	1.405312	45.01795	50.52974

```
32 .
33 . log c
      name:  <unnamed>
       log:  C:\stata_datafolder\20180528_HBC\20181217_SESadded_log.smcl
  log type:  smcl
 closed on:  17 Dec 2018, 22:13:57
```

```
      name:  <unnamed>
       log:  C:\stata_datafolder\20180528_HBC\20181217_SESadded_log.smcl
  log type:  smcl
 opened on:  17 Dec 2018, 22:13:57

34 .
35 . *** Supplemental table 1 ***
36 . sum ptinc0 if mopd3 ==0
```

Variable	Obs	Mean	Std. Dev.	Min	Max
ptinc0	823	623.8834	295.0544	100	2700

```
37 . sum ptinc0 if mopd3 ==1
```

Variable	Obs	Mean	Std. Dev.	Min	Max
ptinc0	103	593.8932	228.2142	220	1850

```
38 . sum ptinc0 if mopd3 ==2
```

Variable	Obs	Mean	Std. Dev.	Min	Max
ptinc0	43	554.2791	146.642	300	900

```
39 .
40 . log c
      name:  <unnamed>
       log:  C:\stata_datafolder\20180528_HBC\20181217_SESadded_log.smcl
  log type:  smcl
 closed on:  17 Dec 2018, 22:13:57
```