```
1 . do "C:\Users\shimanto\AppData\Local\Temp\STD00000000.tmp"

2 . use "C:\Users\shimanto\Desktop\Stunting Papers\DATA\Stata\BDKR7RDT\childdata.dta", clear

3 .
  end of do-file

4 . do "C:\Users\shimanto\AppData\Local\Temp\STD00000000.tmp"

5 . svyset [pw=wgt],psu(v001) strata(v022)

       pweight: wgt
           VCE: linearized
   Single unit: missing
      Strata 1: v022
          SU 1: v001
         FPC 1: <zero>

6 .
7 . svy:tab stunted,count
  (running tabulate on estimation sample)

  Number of strata   =        22                  Number of obs     =      7,902
  Number of PSUs     =       672                  Population size   = 7,880.8346
                                                  Design df         =        650

  ------------------------
    stunted |      count
  ----------+-------------
   Not Stun |       5479
    Stunted |       2402
  ----------+-------------
      Total |       7881
  ------------------------
    Key:  count     =  weighted count

8 . svy: tab mage1 stunted, col count
  (running tabulate on estimation sample)

  Number of strata   =        22                  Number of obs     =      7,902
  Number of PSUs     =       672                  Population size   = 7,880.8346
                                                  Design df         =        650

  ------------------------------------------
             |          stunted
       mage1 |  Not Stun   Stunted      Total
  -----------+------------------------------
       15-19 |     696.9     329.5       1026
             |    .1272     .1372      .1302
  -----------+------------------------------
       20-24 |      1914     818.3       2732
             |    .3492     .3407      .3466
  -----------+------------------------------
         25+ |      2869      1254       4123
             |    .5236     .5221      .5231
  -----------+------------------------------
       Total |      5479      2402       7881
             |         1         1          1
  ------------------------------------------
    Key:  weighted count
          column proportion

    Pearson:
      Uncorrected   chi2(2)         =    1.6484
      Design-based  F(1.98, 1283.84)=    0.5964     P = 0.5489
```

```
 9 .
10 . svy: tab area1 stunted, col  count
   (running tabulate on estimation sample)

   Number of strata   =        22                  Number of obs     =       7,902
   Number of PSUs     =       672                  Population size   = 7,880.8346
                                                   Design df         =         650
```

area1	stunted: Not Stun	stunted: Stunted	Total
Urban	1560	524.2	2085
	.2848	.2183	.2645
Rural	3919	1877	5796
	.7152	.7817	.7355
Total	5479	2402	7881
	1	1	1

Key: **weighted count**
column proportion

Pearson:
Uncorrected chi2(1) = 38.0600
Design-based F(1, 650) = 19.2398 P = 0.0000

```
11 .
12 . svy: tab division1 stunted, col count
   (running tabulate on estimation sample)

   Number of strata   =        22                  Number of obs     =       7,902
   Number of PSUs     =       672                  Population size   = 7,880.8346
                                                   Design df         =         650
```

division1	stunted: Not Stun	stunted: Stunted	Total
Barisal	299.7	145.2	444.8
	.0547	.0604	.0564
Chittago	1108	521.5	1629
	.2022	.2172	.2067
Dhaka	1472	497.6	1970
	.2687	.2072	.2499
Khulna	550.7	188.6	739.3
	.1005	.0785	.0938
Rajshahi	437.7	232.2	669.9
	.0799	.0967	.085
Rangpur	632.1	282.3	914.4
	.1154	.1176	.116
Sylhet	598.4	258	856.4
	.1092	.1074	.1087
Mymensin	380.7	276.2	656.9
	.0695	.115	.0833
Total	5479	2402	7881
	1	1	1

Key: **weighted count**
column proportion

Pearson:
Uncorrected chi2(**7**) = **83.9929**
Design-based F(**5.43, 3527.02**)= **8.3189** P = **0.0000**

```
13 .
14 . svy: tab melevel1 stunted, col count
(running tabulate on estimation sample)
```

Number of strata = **22** Number of obs = **7,902**
Number of PSUs = **672** Population size = **7,880.8346**
Design df = **650**

melevel1	stunted Not Stun	Stunted	Total
No educa	**325.3**	**239.7**	**565.1**
	.0594	**.0998**	**.0717**
Primary	**1392**	**868.7**	**2261**
	.254	**.3617**	**.2868**
Secondar	**2734**	**1111**	**3846**
	.499	**.4628**	**.488**
Higher	**1028**	**181.8**	**1210**
	.1876	**.0757**	**.1535**
Total	**5479**	**2402**	**7881**
	1	**1**	**1**

Key: **weighted count**
column proportion

Pearson:
Uncorrected chi2(**3**) = **246.9032**
Design-based F(**2.96, 1926.47**)= **59.7707** P = **0.0000**

```
15 .
16 . svy: tab helevel stunted, col count
(running tabulate on estimation sample)
```

Number of strata = **22** Number of obs = **7,758**
Number of PSUs = **672** Population size = **7,739.281**
Design df = **650**

helevel1	stunted Not Stun	Stunted	Total
No educa	**657.6**	**497.7**	**1155**
	.1221	**.2114**	**.1493**
Primary	**1729**	**953.8**	**2683**
	.3211	**.4051**	**.3466**
Secondar	**1877**	**689.6**	**2566**
	.3485	**.2929**	**.3316**
Higher	**1122**	**213**	**1335**
	.2084	**.0905**	**.1725**
Total	**5385**	**2354**	**7739**
	1	**1**	**1**

Key: **weighted count**
column proportion

Pearson:
Uncorrected chi2(**3**) = **268.7987**
Design-based F(**2.99, 1942.26**)= **70.2643** P = **0.0000**

```
17 .
18 . svy: tab fage1 stunted, col count
(running tabulate on estimation sample)
```

Number of strata = **22** Number of obs = **7,774**
Number of PSUs = **672** Population size = **7,756.7318**
Design df = **650**

fage1	stunted: Not Stun	stunted: Stunted	Total
>= 24	**293.3**	**146.1**	**439.4**
	.0543	**.0619**	**.0567**
25-29	**1172**	**548.3**	**1720**
	.2171	**.2324**	**.2217**
30-34	**1412**	**580.7**	**1993**
	.2617	**.2461**	**.2569**
35+	**2520**	**1084**	**3604**
	.4669	**.4596**	**.4647**
Total	**5397**	**2359**	**7757**
	1	**1**	**1**

Key: **weighted count**
column proportion

Pearson:
Uncorrected chi2(**3**) = **5.1540**
Design-based F(**2.98, 1936.01**)= **1.3726** P = **0.2495**

```
19 .
20 . svy: tab mwork stunted, col count
(running tabulate on estimation sample)
```

Number of strata = **22** Number of obs = **7,902**
Number of PSUs = **672** Population size = **7,880.8346**
Design df = **650**

mwork1	stunted: Not Stun	stunted: Stunted	Total
No	**3373**	**1322**	**4695**
	.6156	**.5504**	**.5958**
Yes	**2106**	**1080**	**3186**
	.3844	**.4496**	**.4042**
Total	**5479**	**2402**	**7881**
	1	**1**	**1**

Key: **weighted count**
column proportion

```
  Pearson:
    Uncorrected   chi2(1)         =   29.6307
    Design-based  F(1, 650)       =   19.2110     P = 0.0000

21 .
22 . svy: tab hhocu stunted, col count
   (running tabulate on estimation sample)

   Number of strata   =        22                 Number of obs     =      7,766
   Number of PSUs     =       672                 Population size   = 7,751.0612
                                                  Design df         =        650
```

hhocu1	stunted: Not Stun	stunted: Stunted	Total
Jobless	38.97	17.06	56.03
	.0072	.0072	.0072
Farmer	544.6	300.4	845.1
	.1009	.1275	.109
Agricult	350.3	241	591.3
	.0649	.1023	.0763
Business	1218	416.8	1635
	.2258	.1769	.2109
Others	3243	1381	4624
	.6011	.5861	.5966
Total	5395	2356	7751
	1	1	1

```
  Key:  weighted count
        column proportion

  Pearson:
    Uncorrected   chi2(4)         =   59.9064
    Design-based  F(3.89, 2527.06)=   12.0469     P = 0.0000

23 . *insig
24 . svy: tab religion stunted, col count
   (running tabulate on estimation sample)

   Number of strata   =        22                 Number of obs     =      7,902
   Number of PSUs     =       672                 Population size   = 7,880.8346
                                                  Design df         =        650
```

religion1	stunted: Not Stun	stunted: Stunted	Total
Islam	5016	2215	7231
	.9154	.9224	.9176
Others	463.3	186.4	649.7
	.0846	.0776	.0824
Total	5479	2402	7881
	1	1	1

```
  Key:  weighted count
        column proportion
```

```
  Pearson:
    Uncorrected   chi2(1)         =    1.0669
    Design-based  F(1, 650)       =    0.7381     P = 0.3906
```

```
25 . *Sig
26 . svy: tab wind stunted, col count
   (running tabulate on estimation sample)

Number of strata   =        22                  Number of obs     =      7,902
Number of PSUs     =       672                  Population size   = 7,880.8346
                                                Design df         =        650
```

wind1	stunted: Not Stun	stunted: Stunted	Total
Poorest	1031	685.4	1716
	.1881	.2854	.2178
Poorer	1015	597.4	1613
	.1853	.2488	.2046
Middle	1061	450.5	1512
	.1937	.1876	.1918
Richer	1159	419.4	1578
	.2115	.1746	.2002
Richest	1213	248.8	1462
	.2215	.1036	.1855
Total	5479	2402	7881
	1	1	1

Key: **weighted count**
column proportion

```
  Pearson:
    Uncorrected   chi2(4)         =  242.7486
    Design-based  F(3.94, 2559.16)=   41.1220     P = 0.0000
```

```
27 . *insig
28 . svy: tab hhmembers stunted, col count
   (running tabulate on estimation sample)

Number of strata   =        22                  Number of obs     =      7,902
Number of PSUs     =       672                  Population size   = 7,880.8346
                                                Design df         =        650
```

hhmembers	stunted: Not Stun	stunted: Stunted	Total
less equ	684	282.4	966.4
	.1248	.1176	.1226
greater	4795	2119	6914
	.8752	.8824	.8774
Total	5479	2402	7881
	1	1	1

Key: **weighted count**
column proportion

```
  Pearson:
    Uncorrected   chi2(1)         =    0.8202
    Design-based  F(1, 650)       =    0.5610     P = 0.4541

29 . *insig
30 . svy: tab hhsex stunted, col  count
(running tabulate on estimation sample)

Number of strata   =        22                  Number of obs     =      7,902
Number of PSUs     =       672                  Population size   = 7,880.8346
                                                Design df         =        650
```

hhsex1	stunted: Not Stun	stunted: Stunted	Total
Male	4732	2091	6823
	.8636	.8706	.8658
Female	747.2	310.8	1058
	.1364	.1294	.1342
Total	5479	2402	7881
	1	1	1

Key: **weighted count**
column proportion

```
  Pearson:
    Uncorrected   chi2(1)         =    0.6998
    Design-based  F(1, 650)       =    0.4960     P = 0.4815

31 . *insig
32 . svy: tab hhmembers stunted, row count
(running tabulate on estimation sample)

Number of strata   =        22                  Number of obs     =      7,902
Number of PSUs     =       672                  Population size   = 7,880.8346
                                                Design df         =        650
```

hhmembers	stunted: Not Stun	stunted: Stunted	Total
less equ	684	282.4	966.4
	.7078	.2922	1
greater	4795	2119	6914
	.6935	.3065	1
Total	5479	2402	7881
	.6953	.3047	1

Key: **weighted count**
row proportion

```
  Pearson:
    Uncorrected   chi2(1)         =    0.8202
    Design-based  F(1, 650)       =    0.5610     P = 0.4541
```

```
33 . *insig
34 . svy: tab hhsex stunted, row count
   (running tabulate on estimation sample)

   Number of strata   =        22                  Number of obs     =       7,902
   Number of PSUs     =       672                  Population size   = 7,880.8346
                                                   Design df         =         650
```

hhsex1	stunted: Not Stun	stunted: Stunted	Total
Male	**4732**	**2091**	**6823**
	.6936	**.3064**	**1**
Female	**747.2**	**310.8**	**1058**
	.7063	**.2937**	**1**
Total	**5479**	**2402**	**7881**
	.6953	**.3047**	**1**

Key: **weighted count**
row proportion

Pearson:
Uncorrected chi2(**1**) = **0.6998**
Design-based F(**1, 650**) = **0.4960** P = **0.4815**

```
35 .
36 . svy: tab anc stunted, row count
   (running tabulate on estimation sample)

   Number of strata   =        22                  Number of obs     =       4,682
   Number of PSUs     =       671                  Population size   = 4,690.4205
                                                   Design df         =         649
```

anc1	stunted: Not Stun	stunted: Stunted	Total
less4	**1633**	**834.5**	**2468**
	.6618	**.3382**	**1**
4above	**1653**	**569.7**	**2223**
	.7437	**.2563**	**1**
Total	**3286**	**1404**	**4690**
	.7006	**.2994**	**1**

Key: **weighted count**
row proportion

Pearson:
Uncorrected chi2(**1**) = **37.2651**
Design-based F(**1, 649**) = **30.2551** P = **0.0000**

```
37 .
38 . svy: tab media stunted, row count
   (running tabulate on estimation sample)

   Number of strata   =        22                  Number of obs     =       7,902
   Number of PSUs     =       672                  Population size   = 7,880.8346
                                                   Design df         =         650
```

media1	stunted: Not Stun	stunted: Stunted	Total
No	2969	1580	4549
	.6527	.3473	1
Yes	2510	821.5	3332
	.7534	.2466	1
Total	5479	2402	7881
	.6953	.3047	1

Key: **weighted count**
row proportion

Pearson:
Uncorrected chi2(**1**) = **92.3911**
Design-based F(**1, 650**) = **65.6642** P = **0.0000**

```
39 .
40 . svy: tab csection stunted, row count
   (running tabulate on estimation sample)

   Number of strata   =        22                  Number of obs     =       4,879
   Number of PSUs     =       671                  Population size   = 4,884.1536
                                                   Design df         =         649
```

csection1	stunted: Not Stun	stunted: Stunted	Total
No	2132	1128	3260
	.654	.346	1
Yes	1265	358.4	1624
	.7793	.2207	1
Total	3398	1487	4884
	.6956	.3044	1

Key: **weighted count**
row proportion

Pearson:
Uncorrected chi2(**1**) = **80.3238**
Design-based F(**1, 649**) = **59.0922** P = **0.0000**

```
41 . *insig
42 . svy: tab csex stunted, row count
   (running tabulate on estimation sample)

   Number of strata   =        22                  Number of obs     =       7,902
   Number of PSUs     =       672                  Population size   = 7,880.8346
                                                   Design df         =         650
```

csex1	stunted: Not Stun	stunted: Stunted	Total
male	2867	1255	4122
	.6955	.3045	1
Female	2612	1146	3759
	.6951	.3049	1
Total	5479	2402	7881
	.6953	.3047	1

Key: **weighted count**
row proportion

Pearson:
Uncorrected chi2(**1**) = **0.0014**
Design-based F(**1, 650**) = **0.0011** P = **0.9735**

```
43 .
44 . *insig
45 . svy: tab tf1 stunted, row count
   (running tabulate on estimation sample)

   Number of strata   =        22                  Number of obs     =       7,902
   Number of PSUs     =       672                  Population size   = 7,880.8346
                                                   Design df         =         650
```

tf1	stunted: Not Stun	stunted: Stunted	Total
modern t	1539	466	2005
	.7676	.2324	1
Other	3940	1935	5876
	.6706	.3294	1
Total	5479	2402	7881
	.6953	.3047	1

Key: **weighted count**
row proportion

Pearson:
Uncorrected chi2(**1**) = **66.5485**
Design-based F(**1, 650**) = **37.6695** P = **0.0000**

```
46 . *insig
47 . svy: tab pschtype stunted, row count
   (running tabulate on estimation sample)

   Number of strata   =        22                  Number of obs     =       6,618
   Number of PSUs     =       672                  Population size   =    6,608.16
                                                   Design df         =         650
```

pschtype1	stunted: Not Stun	stunted: Stunted	Total
School	**4503**	**1753**	**6255**
	.7198	**.2802**	**1**
Madrasha	**243.1**	**109.8**	**352.9**
	.6888	**.3112**	**1**
Total	**4746**	**1862**	**6608**
	.7182	**.2818**	**1**

Key: **weighted count**
row proportion

Pearson:
Uncorrected chi2(**1**) = **1.5888**
Design-based F(**1, 650**) = **1.1994** P = **0.2739**

```
48 .
49 . svy: tab cage1 stunted, row count
   (running tabulate on estimation sample)

   Number of strata   =        22                  Number of obs     =       7,902
   Number of PSUs     =       672                  Population size   = 7,880.8346
                                                   Design df         =         650
```

cage1	stunted: Not Stun	stunted: Stunted	Total
0-11	**1375**	**338.3**	**1713**
	.8025	**.1975**	**1**
12-23	**1082**	**553.9**	**1636**
	.6614	**.3386**	**1**
24-35	**944**	**594.6**	**1539**
	.6136	**.3864**	**1**
36-47	**990.4**	**486.5**	**1477**
	.6706	**.3294**	**1**
48-59	**1088**	**428.3**	**1516**
	.7176	**.2824**	**1**
Total	**5479**	**2402**	**7881**
	.6953	**.3047**	**1**

Key: **weighted count**
row proportion

Pearson:
Uncorrected chi2(**4**) = **158.5781**
Design-based F(**3.94, 2562.78**)= **31.0446** P = **0.0000**

```
50 .
51 . svy: tab Place_delivery stunted, row count
(running tabulate on estimation sample)

Number of strata   =        22                  Number of obs     =      4,883
Number of PSUs     =       671                  Population size   = 4,889.3782
                                                Design df         =        649
```

Place_delivery1	stunted: Not Stun	stunted: Stunted	Total
Home	1580	881.6	2462
	.6419	.3581	1
HF	1821	606	2427
	.7503	.2497	1
Total	3402	1488	4889
	.6958	.3042	1

Key: **weighted count**
row proportion

```
Pearson:
  Uncorrected   chi2(1)         =   67.7819
  Design-based  F(1, 649)       =   52.8371     P = 0.0000

52 .
53 . svy: tab birthord stunted, row count
(running tabulate on estimation sample)

Number of strata   =        22                  Number of obs     =      7,902
Number of PSUs     =       672                  Population size   = 7,880.8346
                                                Design df         =        650
```

birthord1	stunted: Not Stun	stunted: Stunted	Total
1-3	4899	2004	6903
	.7097	.2903	1
4-6	549.2	370.7	919.9
	.597	.403	1
7-10	30.33	26.76	57.09
	.5313	.4687	1
11	.3483	.2168	.5651
	.6163	.3837	1
Total	5479	2402	7881
	.6953	.3047	1

Key: **weighted count**
row proportion

```
Pearson:
  Uncorrected   chi2(3)         =   56.1334
  Design-based  F(2.38, 1545.65)=   19.3796     P = 0.0000
```

```
54 . *insig
55 . svy: tab fever stunted, row count
   (running tabulate on estimation sample)

   Number of strata   =        22                  Number of obs     =      7,899
   Number of PSUs     =       672                  Population size   = 7,876.1177
                                                   Design df         =        650
```

fever	stunted: Not Stun	stunted: Stunted	Total
0	**3647**	**1571**	**5218**
	.6989	**.3011**	**1**
1	**1828**	**828.7**	**2657**
	.6881	**.3119**	**1**
8	**0**	**1.559**	**1.559**
	0	**1**	**1**
Total	**5475**	**2402**	**7876**
	.6951	**.3049**	**1**

Key: **weighted count**
row proportion

```
  Pearson:
    Uncorrected   chi2(2)         =    4.5345
    Design-based  F(1.95, 1267.52)=    1.5640     P = 0.2102

56 . *insig
57 . svy: tab cough stunted, row count
   (running tabulate on estimation sample)

   Number of strata   =        22                  Number of obs     =      7,899
   Number of PSUs     =       672                  Population size   = 7,876.1177
                                                   Design df         =        650
```

cough	stunted: Not Stun	stunted: Stunted	Total
0	**3469**	**1530**	**4999**
	.6939	**.3061**	**1**
1	**2005**	**871.4**	**2877**
	.6971	**.3029**	**1**
Total	**5475**	**2402**	**7876**
	.6951	**.3049**	**1**

Key: **weighted count**
row proportion

```
  Pearson:
    Uncorrected   chi2(1)         =    0.0839
    Design-based  F(1, 650)       =    0.0585     P = 0.8090
```

```
58 . *insig
59 . svy: tab diarrhea stunted, row count
(running tabulate on estimation sample)

Number of strata   =        22                  Number of obs     =      7,899
Number of PSUs     =       672                  Population size   = 7,876.1177
                                                Design df         =        650
```

diarrhea	stunted Not Stun	stunted Stunted	Total
0	**5198**	**2300**	**7498**
	.6932	**.3068**	**1**
1	**277**	**101.3**	**378.4**
	.7322	**.2678**	**1**
Total	**5475**	**2402**	**7876**
	.6951	**.3049**	**1**

Key: **weighted count**
row proportion

Pearson:
Uncorrected chi2(**1**) = **2.5878**
Design-based F(**1, 650**) = **1.8967** P = **0.1689**

```
60 .
61 . ********************************************************************************
62 . **Univariate Logistic regression
63 . ********************************************************************************
64 .
65 .
66 . svy: logit stunted i.area1, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata   =        22                  Number of obs     =      7,902
Number of PSUs     =       672                  Population size   = 7,880.8346
                                                Design df         =        650
                                                F(   1,    650)   =      19.13
                                                Prob > F          =     0.0000
```

stunted	Odds Ratio	Linearized Std. Err.	t	P>|t|	[95% Conf.	Interval]
area1						
Rural	**1.42599**	**.1156933**	**4.37**	**0.000**	**1.215984**	**1.672264**
_cons	**.3359408**	**.0239683**	**-15.29**	**0.000**	**.2920243**	**.3864619**

```
67 . svy: logit stunted ib3.division1, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata   =        22                  Number of obs     =      7,902
Number of PSUs     =       672                  Population size   = 7,880.8346
                                                Design df         =        650
                                                F(   7,    644)   =      10.09
                                                Prob > F          =     0.0000
```

stunted	Odds Ratio	Linearized Std. Err.	t	P>|t|	[95% Conf.	Interval]
division1						
Barisal	1.432799	.1785089	2.89	0.004	1.121859	1.82992
Chittagong	1.392558	.1773636	2.60	0.010	1.08442	1.788254
Khulna	1.013049	.1360012	0.10	0.923	.7782944	1.318611
Rajshahi	1.568915	.1976076	3.58	0.000	1.225149	2.009138
Rangpur	1.321384	.1669947	2.21	0.028	1.03099	1.693571
Sylhet	1.275304	.1536436	2.02	0.044	1.006637	1.615676
Mymensingh	2.145988	.2454813	6.68	0.000	1.714257	2.686448
_cons	.3380427	.0318893	-11.50	0.000	.2808818	.4068361

68 . svy: logit stunted ib3.melevel, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata = 22
Number of PSUs = 672

Number of obs = 7,902
Population size = 7,880.8346
Design df = 650
F(3, 648) = 56.60
Prob > F = 0.0000

stunted	Odds Ratio	Linearized Std. Err.	t	P>|t|	[95% Conf.	Interval]
melevel1						
No education	4.165832	.5601155	10.61	0.000	3.199192	5.424545
Primary	3.527703	.3660447	12.15	0.000	2.877425	4.324938
Secondary	2.297559	.2280107	8.38	0.000	1.890756	2.791888
_cons	.1769045	.0159764	-19.18	0.000	.1481572	.2112296

69 . svy: logit stunted ib3.helevel, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata = 22
Number of PSUs = 672

Number of obs = 7,758
Population size = 7,739.281
Design df = 650
F(3, 648) = 67.73
Prob > F = 0.0000

stunted	Odds Ratio	Linearized Std. Err.	t	P>|t|	[95% Conf.	Interval]
helevel1						
No education	3.987612	.4256189	12.96	0.000	3.233629	4.917401
Primary	2.906123	.2802433	11.06	0.000	2.404793	3.511965
Secondary	1.936035	.1953238	6.55	0.000	1.588095	2.360206
_cons	.1898154	.0164322	-19.20	0.000	.1601423	.2249867

```
70 . svy: logit stunted i.mwork, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata   =        22                  Number of obs     =      7,902
Number of PSUs     =       672                  Population size   = 7,880.8346
                                                Design df         =        650
                                                F(   1,    650)   =      19.17
                                                Prob > F          =     0.0000
```

stunted	Odds Ratio	Linearized Std. Err.	t	P>|t|	[95% Conf.	Interval]
mwork1						
Yes	1.308636	.0804018	4.38	0.000	1.159909	1.476433
_cons	.3918158	.0175253	-20.95	0.000	.3588707	.4277854

```
71 .
72 . svy: logit stunted ib3.hhocu, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata   =        22                  Number of obs     =      7,766
Number of PSUs     =       672                  Population size   = 7,751.0612
                                                Design df         =        650
                                                F(   4,    647)   =       9.87
                                                Prob > F          =     0.0000
```

stunted	Odds Ratio	Linearized Std. Err.	t	P>|t|	[95% Conf.	Interval]
hhocu1						
Jobless	1.27917	.3681188	0.86	0.393	.7269638	2.250834
Farmer	1.612048	.16981	4.53	0.000	1.310831	1.982482
Agriculture	2.0103	.2437747	5.76	0.000	1.584343	2.550777
Others	1.244192	.0915166	2.97	0.003	1.076863	1.437521
_cons	.3421935	.0243465	-15.07	0.000	.2975755	.3935014

```
73 . svy: logit stunted ib2.anc, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata   =        22                  Number of obs     =      4,682
Number of PSUs     =       671                  Population size   = 4,690.4205
                                                Design df         =        649
                                                F(   1,    649)   =      30.11
                                                Prob > F          =     0.0000
```

stunted	Odds Ratio	Linearized Std. Err.	t	P>|t|	[95% Conf.	Interval]
anc1						
less4	1.482349	.1063414	5.49	0.000	1.287575	1.706587
_cons	.3446763	.0190704	-19.25	0.000	.3091917	.3842334

```
74 . svy: logit stunted ib4.wind, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata   =        22                  Number of obs     =      7,902
Number of PSUs     =       672                  Population size   = 7,880.8346
                                                Design df         =        650
                                                F(   4,    647)   =      34.15
                                                Prob > F          =     0.0000
```

stunted	Odds Ratio	Linearized Std. Err.	t	P>|t|	[95% Conf.	Interval]
wind1						
Poorest	1.836755	.1663163	6.71	0.000	1.53756	2.194171
Poorer	1.625662	.1530774	5.16	0.000	1.351229	1.955832
Middle	1.172892	.11465	1.63	0.103	.9680505	1.421078
Richest	.5662996	.0634426	-5.08	0.000	.4544731	.7056418
_cons	.3619926	.026756	-13.75	0.000	.3130887	.4185351

```
75 . svy: logit stunted ib1.media, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata   =        22                  Number of obs     =      7,902
Number of PSUs     =       672                  Population size   = 7,880.8346
                                                Design df         =        650
                                                F(   1,    650)   =      65.15
                                                Prob > F          =     0.0000
```

stunted	Odds Ratio	Linearized Std. Err.	t	P>|t|	[95% Conf.	Interval]
media1						
No	1.626062	.0979418	8.07	0.000	1.44468	1.830218
_cons	.3272672	.0171105	-21.36	0.000	.2953358	.3626509

```
76 . *Csec ommited
77 . svy: logit stunted ib1.csection, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata   =        22                  Number of obs     =      4,879
Number of PSUs     =       671                  Population size   = 4,884.1536
                                                Design df         =        649
                                                F(   1,    649)   =      58.16
                                                Prob > F          =     0.0000
```

stunted	Odds Ratio	Linearized Std. Err.	t	P>|t|	[95% Conf.	Interval]
csection1						
No	1.868301	.1531172	7.63	0.000	1.590582	2.194511
_cons	.2832021	.0200528	-17.82	0.000	.2464407	.3254472

```
78 . svy: logit stunted i.cage1, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata   =        22                  Number of obs     =      7,902
Number of PSUs     =       672                  Population size   = 7,880.8346
                                                Design df         =        650
                                                F(   4,    647)   =      27.49
                                                Prob > F          =     0.0000

------------------------------------------------------------------------------
             |             Linearized
     stunted | Odds Ratio   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
       cage1 |
       12-23 |   2.080246    .194352     7.84   0.000     1.731573    2.499129
       24-35 |   2.559724   .2424703     9.92   0.000     2.125262    3.083001
       36-47 |   1.996501     .18378     7.51   0.000     1.666362    2.392047
       48-59 |   1.599612   .1448962     5.19   0.000     1.338958    1.911006
             |
       _cons |   .2460596   .0172147   -20.04   0.000     .2144757    .2822946
------------------------------------------------------------------------------

79 . svy: logit stunted ib2.Place_delivery, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata   =        22                  Number of obs     =      4,883
Number of PSUs     =       671                  Population size   = 4,889.3782
                                                Design df         =        649
                                                F(   1,    649)   =      52.40
                                                Prob > F          =     0.0000

------------------------------------------------------------------------------
             |             Linearized
     stunted | Odds Ratio   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
Place_delive~1 |
        Home |   1.676504   .1196651     7.24   0.000      1.45725    1.928746
       _cons |   .3327175     .01835   -19.95   0.000     .2985675    .3707737
------------------------------------------------------------------------------

80 . svy: logit stunted i.birthord, or
(running logit on estimation sample)

Survey: Logistic regression

Number of strata   =        22                  Number of obs     =      7,902
Number of PSUs     =       672                  Population size   = 7,880.8346
                                                Design df         =        650
                                                F(   3,    648)   =      14.14
                                                Prob > F          =     0.0000

------------------------------------------------------------------------------
             |             Linearized
     stunted | Odds Ratio   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
   birthord1 |
         4-6 |   1.650368   .1364608     6.06   0.000     1.403033    1.941305
        7-10 |    2.15698   .6583226     2.52   0.012     1.184595    3.927555
          11 |   1.522079   2.152887     0.30   0.767     .0946714    24.47121
             |
       _cons |   .4090013   .0145636   -25.11   0.000     .3813808    .4386222
------------------------------------------------------------------------------
```

```
81 .
82 . ********************************************************************************
83 . **Multivariate Logistic regression
84 . ********************************************************************************
85 .
86 . svy: logit stunted ib2.area1 ib3.division1 ib3.melevel ib3.helevel i.mwork ib3.hhocu ib4.wind ib
(running logit on estimation sample)

Survey: Logistic regression

Number of strata   =        22                  Number of obs     =      7,745
Number of PSUs     =       672                  Population size   = 7,726.8527
                                                Design df         =        650
                                                F(  31,    620)   =      13.52
                                                Prob > F          =     0.0000
```

stunted	Odds Ratio	Linearized Std. Err.	t	P>|t|	[95% Conf.	Interval]
area1						
Urban	1.034397	.0943617	0.37	0.711	.8647537	1.23732
division1						
Barisal	1.219796	.1695982	1.43	0.153	.9283609	1.602719
Chittagong	1.278924	.1698561	1.85	0.064	.9853362	1.659989
Khulna	.9320216	.1361035	-0.48	0.630	.6996692	1.241536
Rajshahi	1.22798	.1660295	1.52	0.129	.9416501	1.601375
Rangpur	1.116241	.1565404	0.78	0.433	.8475472	1.470119
Sylhet	.9918965	.135521	-0.06	0.953	.7584925	1.297124
Mymensingh	1.65839	.2083763	4.03	0.000	1.295788	2.12246
melevel1						
No education	1.922573	.3259295	3.86	0.000	1.378197	2.681973
Primary	1.802889	.2399966	4.43	0.000	1.388185	2.34148
Secondary	1.536143	.1779528	3.71	0.000	1.223605	1.928511
helevel1						
No education	1.896696	.2594099	4.68	0.000	1.449981	2.481037
Primary	1.588708	.1880273	3.91	0.000	1.259258	2.004351
Secondary	1.33947	.1495521	2.62	0.009	1.075768	1.667812
mwork1						
Yes	1.057249	.0759353	0.78	0.439	.9181788	1.217384
hhocu1						
Jobless	1.347716	.4380501	0.92	0.359	.7118931	2.551419
Farmer	1.243516	.1385431	1.96	0.051	.9991715	1.547614
Agriculture	1.284888	.165444	1.95	0.052	.9978357	1.654519
Others	1.133483	.0875776	1.62	0.105	.9739238	1.319183
wind1						
Poorest	1.228472	.1413894	1.79	0.074	.9799744	1.539984
Poorer	1.247973	.133076	2.08	0.038	1.012206	1.538655
Middle	1.065082	.1085391	0.62	0.536	.8719225	1.301032
Richest	.7050587	.0850161	-2.90	0.004	.5564111	.8934182
media1						
No	1.109427	.0794391	1.45	0.147	.9639085	1.276914
cage1						
12-23	2.164407	.2111079	7.92	0.000	1.787151	2.6213
24-35	2.64688	.2636193	9.77	0.000	2.176705	3.218614
36-47	1.995646	.1970016	7.00	0.000	1.643993	2.422519
48-59	1.529508	.1499607	4.33	0.000	1.261653	1.854229
birthord1						

4-6	1.154847	.108199	1.54	0.125	.9607831	1.388108
7-10	1.171124	.3939238	0.47	0.639	.6049999	2.266994
11	.4575288	.8813153	-0.41	0.685	.0104167	20.09579
_cons	.0708176	.0139163	-13.47	0.000	.048146	.104165

87 . logit stunted ib2.area1 ib3.division1 ib3.melevel ib3.helevel i.mwork ib3.hhocu ib4.wind ib1.med

Iteration 0: log likelihood = **-4801.3561**
Iteration 1: log likelihood = **-4472.8174**
Iteration 2: log likelihood = **-4463.7277**
Iteration 3: log likelihood = **-4463.7135**
Iteration 4: log likelihood = **-4463.7135**

Logistic regression — Number of obs = **7,745**
LR chi2(**31**) = **675.29**
Prob > chi2 = **0.0000**
Log likelihood = **-4463.7135** — Pseudo R2 = **0.0703**

stunted	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
area1						
Urban	1.040093	.0647294	0.63	0.528	.920658	1.175022
division1						
Barisal	1.173953	.1297487	1.45	0.147	.9453081	1.457901
Chittagong	1.270798	.1235691	2.46	0.014	1.050287	1.537606
Khulna	.9478732	.1072167	-0.47	0.636	.7593962	1.183129
Rajshahi	1.28199	.1356015	2.35	0.019	1.041956	1.57732
Rangpur	1.051197	.1171327	0.45	0.654	.8449611	1.307772
Sylhet	.9812669	.1093602	-0.17	0.865	.7887193	1.22082
Mymensingh	1.662331	.162671	5.19	0.000	1.372212	2.013788
melevel1						
No education	1.946845	.2781945	4.66	0.000	1.471293	2.576107
Primary	1.742016	.1942576	4.98	0.000	1.400013	2.167566
Secondary	1.521655	.1512036	4.22	0.000	1.252374	1.848835
helevel1						
No education	1.85021	.2203591	5.17	0.000	1.465019	2.336677
Primary	1.674841	.1728767	5.00	0.000	1.368084	2.05038
Secondary	1.359041	.1323777	3.15	0.002	1.122848	1.644917
mwork1						
Yes	1.054458	.0589887	0.95	0.343	.9449549	1.17665
hhocu1						
Jobless	1.042828	.3203313	0.14	0.891	.5711426	1.904062
Farmer	1.129235	.1103578	1.24	0.214	.9323913	1.367636
Agriculture	1.171467	.1287575	1.44	0.150	.9444378	1.453071
Others	1.067811	.0715818	0.98	0.328	.9363391	1.217743
wind1						
Poorest	1.247484	.1195352	2.31	0.021	1.033885	1.505213
Poorer	1.321691	.1179822	3.12	0.002	1.109549	1.574394
Middle	1.096152	.0942957	1.07	0.286	.9260762	1.297462
Richest	.6904462	.0669923	-3.82	0.000	.5708735	.8350642
media1						
No	1.1003	.0714694	1.47	0.141	.9687729	1.249685
cage1						
12-23	2.245716	.1848289	9.83	0.000	1.911166	2.638828
24-35	2.55619	.2129808	11.26	0.000	2.171058	3.009643
36-47	2.079472	.1767948	8.61	0.000	1.760292	2.456526

48-59	**1.520101**	**.1305657**	**4.88**	**0.000**	**1.284578**	**1.798807**
birthord1						
4-6	**1.15597**	**.092575**	**1.81**	**0.070**	**.9880493**	**1.352429**
7-10	**1.165883**	**.3006678**	**0.60**	**0.552**	**.7032988**	**1.932725**
11	**.8979575**	**1.319897**	**-0.07**	**0.942**	**.0503599**	**16.01132**
_cons	**.0736081**	**.011473**	**-16.74**	**0.000**	**.0542317**	**.0999076**

```
88 . estat ic

Akaike's information criterion and Bayesian information criterion
```

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	**7,745**	**-4801.356**	**-4463.713**	**32**	**8991.427**	**9213.981**

Note: N=Obs used in calculating BIC; see **[R] BIC note**.

```
89 .
   end of do-file

90 . do "C:\Users\shimanto\AppData\Local\Temp\STD00000000.tmp"

91 . *********************************************************************
92 . * Stage A *** Compile parameters/inputs for Level-weights calculations
93 . *********************************************************************
94 . * a_c_h completed clusters by strata
95 . gen a_c_h=.
   (8,759 missing values generated)

96 . quietly levelsof v022, local(lstrata)

97 . quietly foreach ls of local lstrata {

98 . * A_h total number of census clusters by strata
99 . gen A_h = 0

100 . replace A_h = 96 if v022 == 1
    (73 real changes made)

101 . replace A_h = 44 if v022 == 2
    (200 real changes made)

102 . replace A_h = 532 if v022 == 3
    (633 real changes made)

103 . replace A_h = 96 if v022 == 4
    (190 real changes made)

104 . replace A_h = 138 if v022 == 5
    (314 real changes made)
```

```
105 . replace A_h = 918 if v022 == 6
    (942 real changes made)

106 . replace A_h = 96 if v022 == 7
    (292 real changes made)

107 . replace A_h = 167 if v022 == 8
    (458 real changes made)

108 . replace A_h = 1081 if v022 == 9
    (554 real changes made)

109 . replace A_h = 96 if v022 == 10
    (89 real changes made)

110 . replace A_h = 101 if v022 == 11
    (248 real changes made)

111 . replace A_h = 863 if v022 == 12
    (567 real changes made)

112 . replace A_h = 37 if v022 == 13
    (261 real changes made)

113 . replace A_h = 343 if v022 == 14
    (764 real changes made)

114 . replace A_h = 96 if v022 == 15
    (40 real changes made)

115 . replace A_h = 104 if v022 == 16
    (233 real changes made)

116 . replace A_h = 664 if v022 == 17
    (639 real changes made)

117 . replace A_h = 70 if v022 == 18
    (293 real changes made)

118 . replace A_h = 698 if v022 == 19
    (678 real changes made)

119 . replace A_h = 96 if v022 == 20
    (126 real changes made)

120 . replace A_h = 26 if v022 == 21
    (240 real changes made)

121 . replace A_h = 358 if v022 == 22
    (925 real changes made)

122 .
123 .
124 . * M_h average number of households per cluster by strata
125 . gen M_h = 0
```

```
126 . replace M_h = 7 if v022 == 1
    (73 real changes made)

127 . replace M_h = 15 if v022 == 2
    (200 real changes made)

128 . replace M_h = 49 if v022 == 3
    (633 real changes made)

129 . replace M_h = 16 if v022 == 4
    (190 real changes made)

130 . replace M_h = 17 if v022 == 5
    (314 real changes made)

131 . replace M_h = 59 if v022 == 6
    (942 real changes made)

132 . replace M_h = 26 if v022 == 7
    (292 real changes made)

133 . replace M_h = 26 if v022 == 8
    (458 real changes made)

134 . replace M_h = 52 if v022 == 9
    (554 real changes made)

135 . replace M_h = 9 if v022 == 10
    (89 real changes made)

136 . replace M_h = 19 if v022 == 11
    (248 real changes made)

137 . replace M_h = 58 if v022 == 12
    (567 real changes made)

138 . replace M_h = 19 if v022 == 13
    (261 real changes made)

139 . replace M_h = 58 if v022 == 14
    (764 real changes made)

140 . replace M_h = 6 if v022 == 15
    (40 real changes made)

141 . replace M_h = 21 if v022 == 16
    (233 real changes made)

142 . replace M_h = 62 if v022 == 17
    (639 real changes made)

143 . replace M_h = 24 if v022 == 18
    (293 real changes made)

144 . replace M_h = 61 if v022 == 19
    (678 real changes made)
```

```
145 . replace M_h = 9 if v022 == 20
    (126 real changes made)

146 . replace M_h = 13 if v022 == 21
    (240 real changes made)

147 . replace M_h = 49 if v022 == 22
    (925 real changes made)

148 . * m_c total number of completed households (added from the HR dataset)
149 . gen m_c= 20160

150 . * M total number of households in country
151 . gen M = 32067700

152 . * S_h households selected per stratum
153 . gen S_h = 120

154 .
155 . * Steps to approximate Level-1 and Level-2 weights from Household or Individual
156 . ************************************************************************
157 . * Stage B *** Approximate Level-weights ***
158 . ************************************************************************
159 . * Steps to approximate Level-1 and Level-2 weights from Household or Individual Weights
160 . *Step 1. De-normalize the final weight, using approximated normalization factor
161 . gen d_HH = wgt * (M/m_c)

162 . *Step 2. Approximate the Level-2 weight
163 . * f the variation factor
164 . gen f = d_HH / ((A_h/a_c_h) * (M_h/S_h))

165 . * Calculating the level-weights based on different values of alpha
166 . local alphas 0 0.1 .25 .50 .75 0.90 1

167 . local i = 1

168 . foreach dom of local alphas{
      2. gen wt2_`i' = (A_h/a_c_h)*(f^`dom')
      3. gen wt1_`i' = d_HH/wt2_`i'
      4. local ++i
      5. }

169 .
170 . *svyset using alpha 0.5
171 . svyset v001, weight(wt2_3) strata(v022) , singleunit(centered) || _n, weight(wt1_3)
    Note: Stage 1 is sampled with replacement; further stages will be ignored for variance estimation.

         pweight: <none>
             VCE: linearized
    Single unit: centered
       Strata 1: v022
           SU 1: v001
          FPC 1: <zero>
       Weight 1: wt2_3
       Strata 2: <one>
           SU 2: <observations>
          FPC 2: <zero>
       Weight 2: wt1_3
```

```
172 .
173 . ********************************************************************************
174 . **Multilevel binary logistic Logistic regression
175 . ********************************************************************************
176 . svy: melogit stunted ib2.area1 ib3.division1 ib3.melevel ib3.helevel i.mwork ib3.hhocu ib4.wind
(running melogit on estimation sample)

Survey: Mixed-effects logistic regression

Number of strata   =        22                  Number of obs      =       7,745
Number of PSUs     =       672                  Population size    =  12,290,793
                                                Design df          =         650
                                                F(  31,    620)    =       11.61
                                                Prob > F           =      0.0000
```

stunted	Odds Ratio	Linearized Std. Err.	t	P>|t|	[95% Conf.	Interval]
area1						
Urban	.9472949	.1203634	-0.43	0.670	.7381247	1.21574
division1						
Barisal	1.650415	.3566542	2.32	0.021	1.079706	2.522788
Chittagong	1.588777	.3535462	2.08	0.038	1.026346	2.459415
Khulna	.9637594	.2323008	-0.15	0.878	.6003653	1.547112
Rajshahi	1.583396	.3394592	2.14	0.032	1.039352	2.412217
Rangpur	1.188506	.2653397	0.77	0.439	.7666763	1.842429
Sylhet	1.109096	.2426818	0.47	0.636	.7217218	1.704388
Mymensingh	2.423994	.4969037	4.32	0.000	1.620746	3.625335
melevel1						
No education	1.971187	.3941263	3.39	0.001	1.331122	2.919024
Primary	1.909316	.2919134	4.23	0.000	1.414151	2.577864
Secondary	1.661242	.2217111	3.80	0.000	1.278259	2.158973
helevel1						
No education	1.924663	.2970237	4.24	0.000	1.421503	2.605922
Primary	1.591872	.216178	3.42	0.001	1.219265	2.078346
Secondary	1.364998	.1765352	2.41	0.016	1.058866	1.759638
mwork1						
Yes	1.063877	.088698	0.74	0.458	.9032173	1.253114
hhocu1						
Jobless	1.305196	.4956196	0.70	0.483	.6192234	2.751084
Farmer	1.259039	.1627574	1.78	0.075	.9767829	1.622857
Agriculture	1.393058	.2205889	2.09	0.037	1.020777	1.90111
Others	1.117934	.0995295	1.25	0.211	.9386261	1.331497
wind1						
Poorest	1.391219	.1970481	2.33	0.020	1.053438	1.837309
Poorer	1.406622	.1744942	2.75	0.006	1.102522	1.7946
Middle	1.120979	.1401262	0.91	0.361	.8769922	1.432844
Richest	.6449255	.0923589	-3.06	0.002	.486836	.854351
media1						
No	1.027553	.0879518	0.32	0.751	.8685823	1.215619
cage1						
12-23	2.531003	.277602	8.47	0.000	2.040602	3.13926
24-35	3.081317	.3610728	9.60	0.000	2.447966	3.878532
36-47	2.29423	.2589261	7.36	0.000	1.838195	2.863404
48-59	1.670027	.1813546	4.72	0.000	1.349322	2.066955
birthord1						
4-6	1.162346	.1257539	1.39	0.165	.93988	1.437469

7-10	**1.116192**	**.4082898**	**0.30**	**0.764**	**.5442503**	**2.289176**
11	**.4826677**	**1.010296**	**-0.35**	**0.728**	**.0079183**	**29.4215**
_cons	**.0424738**	**.0117804**	**-11.39**	**0.000**	**.0246373**	**.073223**
v001						
var(_cons)	**1.386637**	**.1980263**			**1.047551**	**1.835481**

177 . melogit stunted ib2.area1 ib3.division1 ib3.melevel ib3.helevel i.mwork ib3.hhocu ib4.wind ib1.m

Fitting fixed-effects model:

Iteration 0: log likelihood = **-4469.7983**
Iteration 1: log likelihood = **-4463.7183**
Iteration 2: log likelihood = **-4463.7135**
Iteration 3: log likelihood = **-4463.7135**

Refining starting values:

Grid node 0: log likelihood = **-4557.9287**

Fitting full model:

Iteration 0: log likelihood = **-4557.9287** (not concave)
Iteration 1: log likelihood = **-4464.2399**
Iteration 2: log likelihood = **-4457.1048**
Iteration 3: log likelihood = **-4456.8997**
Iteration 4: log likelihood = **-4456.8995**

Mixed-effects logistic regression — Number of obs = **7,745**
Group variable: **v001** — Number of groups = **672**

Obs per group:
min = **1**
avg = **11.5**
max = **31**

Integration method: **mvaghermite** — Integration pts. = **7**

Wald chi2(**31**) = **537.09**
Log likelihood = **-4456.8995** — Prob > chi2 = **0.0000**

stunted	Odds Ratio	Std. Err.	z	P>|z|	[95% Conf.	Interval]
area1						
Urban	**1.038664**	**.07227**	**0.55**	**0.586**	**.9062516**	**1.190424**
division1						
Barisal	**1.168263**	**.1439903**	**1.26**	**0.207**	**.9175474**	**1.487485**
Chittagong	**1.269134**	**.138985**	**2.18**	**0.030**	**1.023979**	**1.572983**
Khulna	**.9332815**	**.1160964**	**-0.56**	**0.579**	**.7313524**	**1.190964**
Rajshahi	**1.263314**	**.1496174**	**1.97**	**0.048**	**1.001616**	**1.593387**
Rangpur	**1.036865**	**.1276225**	**0.29**	**0.769**	**.8146145**	**1.319752**
Sylhet	**.9640189**	**.1189417**	**-0.30**	**0.766**	**.7569433**	**1.227744**
Mymensingh	**1.675034**	**.186938**	**4.62**	**0.000**	**1.345945**	**2.084586**
melevel1						
No education	**1.941736**	**.2835449**	**4.54**	**0.000**	**1.458452**	**2.585164**
Primary	**1.740659**	**.1978743**	**4.88**	**0.000**	**1.392999**	**2.175086**
Secondary	**1.531933**	**.1546209**	**4.23**	**0.000**	**1.256974**	**1.867038**
helevel1						
No education	**1.867038**	**.2268958**	**5.14**	**0.000**	**1.471326**	**2.369176**
Primary	**1.680179**	**.1766482**	**4.94**	**0.000**	**1.367298**	**2.064657**
Secondary	**1.363659**	**.1350718**	**3.13**	**0.002**	**1.123035**	**1.655839**

mwork1						
Yes	1.056567	.0610457	0.95	0.341	.9434451	1.183252
hhocu1						
Jobless	1.035968	.3235419	0.11	0.910	.5617051	1.910663
Farmer	1.140206	.1142665	1.31	0.190	.9368702	1.387672
Agriculture	1.188561	.1343738	1.53	0.127	.9523317	1.483388
Others	1.068124	.0732134	0.96	0.336	.9338494	1.221705
wind1						
Poorest	1.271383	.1272871	2.40	0.016	1.044857	1.547021
Poorer	1.347348	.1245254	3.23	0.001	1.124112	1.614916
Middle	1.105921	.0976233	1.14	0.254	.9302202	1.314808
Richest	.6853503	.0683414	-3.79	0.000	.5636803	.8332825
media1						
No	1.088451	.0725356	1.27	0.203	.9551773	1.240321
cage1						
12-23	2.300984	.1931445	9.93	0.000	1.951928	2.71246
24-35	2.6078	.221426	11.29	0.000	2.208002	3.079988
36-47	2.123639	.1839356	8.70	0.000	1.792072	2.516554
48-59	1.542112	.1346509	4.96	0.000	1.299548	1.82995
birthord1						
4-6	1.154555	.0944371	1.76	0.079	.9835367	1.355311
7-10	1.155556	.3046567	0.55	0.583	.6892482	1.937341
11	.9372618	1.39641	-0.04	0.965	.0505441	17.38007
_cons	.0710336	.0116087	-16.18	0.000	.0515652	.0978523
v001						
var(_cons)	.0951414	.0307231			.0505242	.1791595

LR test vs. logistic model: chibar2(01) = **13.63** Prob >= chibar2 = **0.0001**

178 . estat ic

Akaike's information criterion and Bayesian information criterion

Model	Obs	ll(null)	ll(model)	df	AIC	BIC
.	7,745	.	-4456.9	33	8979.799	9209.308

Note: N=Obs used in calculating BIC; see **[R] BIC note**.

179 .
end of do-file

180 .