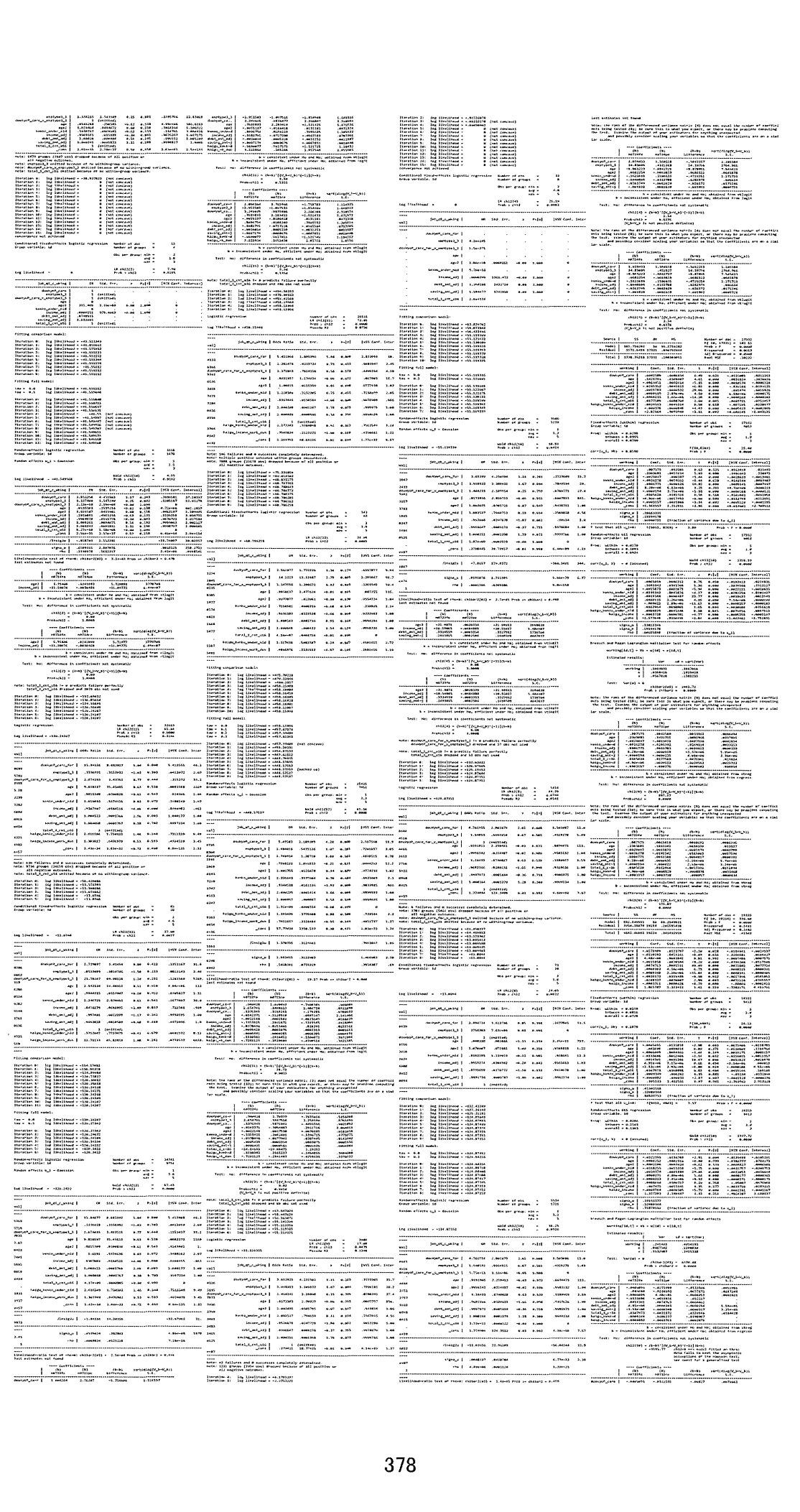
```
all negative outcomes.
Iteration 0:  log likelihood = -85.46543
Iteration 1:  log likelihood = -85.45238
Iteration 2:  log likelihood = -85.45238
Iteration 3:  log likelihood = -85.45238
Iteration 4:  log likelihood = -85.45238
Iteration 5:  log likelihood = -85.45238
Iteration 6:  log likelihood = -85.45238
Iteration 7:  log likelihood = -85.45238
Iteration 8:  log likelihood = -85.45238
Iteration 9:  log likelihood = -85.45238
Iteration 10:  log likelihood = -85.45238

Conditional fixed-effects logistic regression   Number of obs   =     57
Group variable: id                              Number of groups =     57

                                                Obs per group: min =      1
                                                               avg =      1.0
                                                               max =      1

                                                                LR chi2(8)  =      0.00
Log likelihood = -85.45238                      Prob > chi2 =    1.0000

------------------------------------------------------------------------------
 [m_yr_at_cutting ] |      OR   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------------+---------------------------------------------------------
 diameter_class_for |   1.32834   .9911379     0.41   0.682     .3129229    5.640049
                age |   1.000443   .1.388287     0.00   0.975     .9129225    10.49872
          sex_male  |   .5.00e-07   .0000000    -0.00   0.000     .0000000    .0000000
 series_number_2014 |   .4151965   .4779.  -0.77   0.441     .0.77.   2.154218
            income_q2 |   .7432796   .6122512    -0.40   0.413     .0601547    .9236125
            income_q3 |   .1.000443   .1.388287     0.00   0.975     .0129225    .7.74.
            income_q4 |   1.000443   .1.388287     0.00   0.975     .0129225    1.000443
      total_h_cut_q2  |   9.22e-08   .0000001    -0.00   0.993          0         .
      total_h_cut_q3  |   .0000001   .0000001    -0.00   0.993     .0000000    .0000001
 religion_christian_yes |   .8553632   .3402015    -0.39   0.694     .3792.   .1.93379e
religion_christian_yes |   .8553632   .3402015    -0.39   0.694     .3792.   .1.93379e
------------------------------------------------------------------------------

Fitting comparison model:

Iteration 0:  log likelihood = -125.52548
Iteration 1:  log likelihood = -121.45275
Iteration 2:  log likelihood = -121.32.
Iteration 3:  log likelihood = -121.32.
Iteration 4:  log likelihood = -121.32.
Iteration 5:  log likelihood = -121.32.
Iteration 6:  log likelihood = -121.32.
Iteration 7:  log likelihood = -121.32.
Iteration 8:  log likelihood = -121.32.

Fitting full model:

tau = 0.0  log likelihood = -121.32.
tau = 0.1  log likelihood = -120.7.52
tau = 0.2  log likelihood = -120.12.43
tau = 0.3  log likelihood = -120.12.43

Iteration 0:  log likelihood = -121.12.
Iteration 1:  log likelihood = -121.12.
Iteration 2:  log likelihood = -121.12.
Iteration 3:  log likelihood = -121.12.
Iteration 4:  log likelihood = -121.12.
Iteration 5:  log likelihood = -121.12.
Iteration 6:  log likelihood = -121.12.
Iteration 7:  log likelihood = -121.12.
Iteration 8:  log likelihood = -121.12.

Random-effects logistic regression              Number of obs      =      1.
Group variable: id                              Number of groups   =      1.

Random effects u_i ~ Gaussian                   Obs per group: min =      1.
                                                               avg =      1.0
                                                               max =      1.

                                                Wald chi2(0)       =      0.00
log likelihood = -121.12.                       Prob > chi2        =      .
------------------------------------------------------------------------------
 [m_yr_at_cutting ] |      OR   Std. Err.      z    P>|z|     [95% Conf. Interval]
--------------------+---------------------------------------------------------
 diameter_class_for |   1.32834   .9911379     0.41   0.682     .3129229    5.640049
                age |   1.000443   .1.388287     0.00   0.975     .0129225    1.000443
          sex_male  |   .5.00e-07   .0000000    -0.00   0.000     .0000000    .0000000
 series_number_2014 |   .4151965   .4779.  -0.77   0.441     .0.77.   2.154218
            income_q2 |   .7432796   .6122512    -0.40   0.413     .0601547    .9236125
            income_q3 |   .1.000443   .1.388287     0.00   0.975     .0129225    1.000443
            income_q4 |   1.000443   .1.388287     0.00   0.975     .0129225    1.000443
      total_h_cut_q2  |   9.22e-08   .0000001    -0.00   0.993          0         .
      total_h_cut_q3  |   .0000001   .0000001    -0.00   0.993     .0000000    .0000001
 religion_christian_yes |   .8553632   .3402015    -0.39   0.694     .3792.   .1.93379e
religion_christian_yes |   .8553632   .3402015    -0.39   0.694     .3792.   .1.93379e
------------------------------------------------------------------------------
                /lnsig2u  -1.#IND   .1.#IND    -1.#IND   1.#IND    -1.#IND    -1.#IND
------------------------------------------------------------------------------
                  sigma_u  1.#IND0E-09   .0014572                      .          .
                  rho  1.#IND0E-09   .0014572                      .          .
------------------------------------------------------------------------------
LR test of rho=0: chibar2(01) = 0.00  Prob >= chibar2 = 0.000
Test estimates not found

--- Coefficients ---
    |      (b)      |      (B)      |     (b-B)     | sqrt(diag(V_b-V_B))
    |   ns0.ff2a    |   ns0.ff2a    |  difference   |      S.E.
-------------------+---------------+---------------+-------------------
diameter_class_for |   .6315138    |   .1.#IND0E-09|   .6315138    |   .0.#IND
               age |   .0005572    |   .2943535    |   .2938127    |   1.#IND
         sex_male  |   .0.#IND0E-09|   .0.#IND0E-09|   .0.#IND0E-09|   .0.#IND
series_number_2014 |   .4124.47    |   .1.#IND0E-09|   .4124.47    |   .0.#IND
           income_q2 |   .0.#IND0E-09|   .4724.54    |   .4724.54    |   .0.#IND
           income_q3 |   .0.#IND0E-09|   .0.#IND0E-09|   .0.#IND0E-09|   .0.#IND
           income_q4 |   .0.#IND0E-09|   .0.#IND0E-09|   .0.#IND0E-09|   .0.#IND
     total_h_cut_q2  |   .0.#IND0E-09|   .0.#IND0E-09|   .0.#IND0E-09|   .0.#IND
     total_h_cut_q3  |   .0.#IND0E-09|   .0.#IND0E-09|   .0.#IND0E-09|   .0.#IND
religion_christian_yes |   .1.#IND0E-09|   .0.#IND0E-09|   .1.#IND0E-09|   .0.#IND
religion_christian_yes |   .1.#IND0E-09|   .0.#IND0E-09|   .1.#IND0E-09|   .0.#IND
-------------------+---------------+---------------+-------------------+-
```



```
---------------------------------------------------------------------------
                  ---- Coefficients ----
                 |   (b)     (Se)     (b-B)     sqrt(diag(V_b-V_B))
                 |  sigma2fe   .0342124          .4034255          .3692131
-------------+----------------------------------------------------------
dsuppdf_care |   .0034329   .0046283   -.0310795            .0.
employed_2   |  -.3134995   .0.334162   .0242452            .3844044
dsuppdf_par  |   .1313326   .1.322.    -.0000042            .1.23353
age          |   .2547642   .0541216    .0457674            .3761645
income_adj   |   .0.34.    .0.34.       .0.34.              .0.34.
sexmale_dummy|   -.0344181   .0.43.     -.0.43.             .0.43.
income_adj   |   -.0.245    -.0.43.      .0.34.              .0.34.
total_2_cr   |   .0.34.     .0.34.       .0.34.              .0.34.
sexmale_dummy|   .0.0.      -.0.34.      -.0.34.             .0.34.
total_2_cr   |   .2.73.     .3.5.        -.0.34.             .0.34.
total_2_cr   |   .0.34.     .0.34.       .0.34.              .0.34.
helpc_income |   .0.34.     .0.34.       .0.34.              .0.34.
---------------------------------------------------------------------------
                b = consistent under Ho and Ha; obtained from xtlogit
                B = inconsistent under Ho, efficient under Ho; obtained from logit

    Test: Ho:  difference in coefficients not systematic

                  chi2(5) = (b-B)'[(V_b-V_B)^(-1)](b-B)
                          =   191.69
                Prob>chi2 =   0.0000
                (V_b-V_B is not positive definite)

Iteration 0:  log likelihood = -4334.7847
Iteration 1:  log likelihood = -4343.4854
Iteration 2:  log likelihood = -4414.5327
Iteration 3:  log likelihood = -4344.8470
Iteration 4:  log likelihood = -4343.5432
Iteration 5:  log likelihood = -4343.5432
Iteration 6:  log likelihood = -4345.345 (backed up)
Iteration 7:  log likelihood = -4345.345 (backed up)
Iteration 8:  log likelihood = -4345.345 (backed up)
Iteration 9:  log likelihood = -4345.345 (backed up)
Iteration 10: log likelihood = -4345.345 (backed up)
Iteration 11: log likelihood = -4345.345 (backed up)
Iteration 12: log likelihood = -4345.345 (backed up)
Iteration 13: log likelihood = -4345.345 (backed up)
Iteration 14: log likelihood = -4345.345 (backed up)
convergence not achieved

Logistic regression                               Number of obs   =      3733
                                                  LR chi2(14)     =    -2.22
                                                  Prob > chi2     =    1.0000
Log likelihood = -2345.345                        Pseudo R2       =    -0.3622

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   1.232279   .4346227     2.74   0.001     .3.4.      1.3.3.
        age  |   2.14152    .6623231     3.34   0.001     .3.4.      1.3.3.
        edu7 |   .0.0.3.2   .0.7.7.      -1.34   0.415     -.0.4.4.   .0.4.3.
income_adj   |   .7.3.2.3   .4.3.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .3.3.3.    .3.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.0.3.2   .0.7.7.      -1.34   0.415     -.0.4.4.   .0.4.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
note: 0 failures and 25 successes completely determined.
convergence not achieved
note: multiple positive outcomes within groups encountered.
note: 8.0.0.0 positive outcomes within groups encountered.
note: 8.0.0.0 positive outcomes within groups encountered.
                                                  LR chi2(14)     =  -2.22
                                                  Prob > chi2     =    1.0000
Log likelihood = -2345.2233                       Pseudo R2       =    -0.3622

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   .0.4.4.    .0.4.3.      -0.33   0.744     .0.4.3.    .3.3.3.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
convergence not achieved

Fitting comparison model:

Iteration 0:  log likelihood = -4343.7847
Iteration 1:  log likelihood = -4343.4854
Iteration 2:  log likelihood = -4342.9327
Iteration 3:  log likelihood = -4344.8470
Iteration 4:  log likelihood = -4343.5432
Iteration 5:  log likelihood = -4343.5432
Iteration 6:  log likelihood = -4345.345 (backed up)
Iteration 7:  log likelihood = -4345.345 (backed up)
Iteration 8:  log likelihood = -4345.345 (backed up)
Iteration 9:  log likelihood = -4345.345 (backed up)
Iteration 10: log likelihood = -4345.345 (backed up)
Iteration 11: log likelihood = -4345.345 (backed up)
Iteration 12: log likelihood = -4345.345 (backed up)
Iteration 13: log likelihood = -4345.345 (backed up)
Iteration 14: log likelihood = -4345.345 (backed up)
convergence not achieved

Fitting full model:

rho = 0.0     log likelihood = -2992.5382
rho = 0.1     log likelihood = -2969.8798
rho = 0.3     log likelihood = -2943.5053
rho = 0.5     log likelihood = -2918.4287
rho = 0.7     log likelihood = -2893.6387
rho = 0.9     log likelihood = -2869.5537
rho = 0.9     log likelihood = -2869.5537
rho = 0.7     log likelihood = -2869.5537

Iteration 0:  log likelihood = -2837.3736
Iteration 1:  log likelihood = -2372.7434
Iteration 2:  log likelihood = -2372.7434
Iteration 3:  log likelihood = -2372.7434
Iteration 4:  log likelihood = -2372.8545
Iteration 5:  log likelihood = -2372.8545
Iteration 6:  log likelihood = -2372.8545 (backed up)
Iteration 7:  log likelihood = -2372.8545
Iteration 8:  log likelihood = -2372.8545 (backed up)
Iteration 9:  log likelihood = -2372.8545
Iteration 10: log likelihood = -2372.8545
Iteration 11: log likelihood = -2372.8545
Iteration 12: log likelihood = -2372.8545
Iteration 13: log likelihood = -2372.8545
Iteration 14: log likelihood = -2372.8545
Iteration 15: log likelihood = -2372.8545
Iteration 16: log likelihood = -2372.8545
Iteration 17: log likelihood = -2372.8545
Iteration 18: log likelihood = -2372.8545
Iteration 19: log likelihood = -2372.8545
Iteration 20: log likelihood = -2372.8545
Iteration 21: log likelihood = -2372.8545
Iteration 22: log likelihood = -2372.8545
Iteration 23: log likelihood = -2372.8545
Iteration 24: log likelihood = -2372.8545
Iteration 25: log likelihood = -2372.8545
Iteration 26: log likelihood = -2372.8545
Iteration 27: log likelihood = -2372.8545
Iteration 28: log likelihood = -2372.8545
Iteration 29: log likelihood = -2372.8545
Iteration 30: log likelihood = -2372.8545
Iteration 31: log likelihood = -2372.8545
Iteration 32: log likelihood = -2372.8545
Iteration 33: log likelihood = -2372.8545
Iteration 34: log likelihood = -2372.8545
Iteration 35: log likelihood = -2372.8545
Iteration 36: log likelihood = -2372.8545
Iteration 37: log likelihood = -2372.8545
Iteration 38: log likelihood = -2372.8545
convergence not achieved

Random-effects logistic regression              Number of obs      =      3733
Group variable: id                              Number of groups   =      1053

Random effects u_i ~ Gaussian                   Obs per group: min =         1
                                                               avg =       3.5
                                                               max =         3

                                                Wald chi2(14)      =    993.38
Log likelihood = -2334.9945                     Prob > chi2        =    0.0000

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   1.9.5.5.   .4.2.7.      8.43   0.000     1.5.7.5.   2.3.7.5.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
                                                  LR chi2(14)     =  394.85
                                                  Prob > chi2     =    0.0000
Log likelihood = -2334.9945                       Pseudo R2       =    0.0000

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   .0.4.4.    .0.4.3.      -0.33   0.744     .0.4.3.    .3.3.3.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
convergence not achieved

Fitting comparison model:

Iteration 0:  log likelihood = -2334.9945
Iteration 1:  log likelihood = -2334.9945
Iteration 2:  log likelihood = -2334.9945
Iteration 3:  log likelihood = -2333.6469
Iteration 4:  log likelihood = -2333.6469
Iteration 5:  log likelihood = -2333.6469
Iteration 6:  log likelihood = -2333.8533 (backed up)
Iteration 7:  log likelihood = -2333.8533 (backed up)
Iteration 8:  log likelihood = -2333.8533 (backed up)
Iteration 9:  log likelihood = -2333.8533 (backed up)
Iteration 10: log likelihood = -2333.8533 (backed up)
Iteration 11: log likelihood = -2333.8533 (backed up)
Iteration 12: log likelihood = -2333.8533 (backed up)
Iteration 13: log likelihood = -2333.8533 (backed up)
convergence not achieved

Logistic regression                               Number of obs   =      3733
                                                  LR chi2(14)     =    -2.22
                                                  Prob > chi2     =    1.0000
Log likelihood = -2333.8533                       Pseudo R2       =    -0.3777

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   .3.3.3.    .3.3.3.      -0.33   0.744     .0.4.3.    .3.3.3.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
                b = consistent under Ho and Ha; obtained from xtlogit
                B = inconsistent under Ho, efficient under Ho; obtained from logit

    Test: Ho:  difference in coefficients not systematic

                  chi2(5) = (b-B)'[(V_b-V_B)^(-1)](b-B)
                          =     0.00
                Prob>chi2 =   0.9999

Iteration 0:  log likelihood = -1334.78
Iteration 1:  log likelihood = -4531.4164
Iteration 2:  log likelihood = -4531.4164
Iteration 3:  log likelihood = -4531.4164
Iteration 4:  log likelihood = -4531.4164
Iteration 5:  log likelihood = -4531.8233
Iteration 6:  log likelihood = -4531.8233
Iteration 7:  log likelihood = -4531.8233 (backed up)
Iteration 8:  log likelihood = -4531.8233 (backed up)
Iteration 9:  log likelihood = -4531.8233 (backed up)
Iteration 10: log likelihood = -4531.8233 (backed up)
Iteration 11: log likelihood = -4531.8233 (backed up)
Iteration 12: log likelihood = -4531.8233 (backed up)
Iteration 13: log likelihood = -4531.8233 (backed up)
convergence not achieved

Logistic regression                               Number of obs   =      4128
                                                  LR chi2(14)     =    -2.22
                                                  Prob > chi2     =    1.0000
Log likelihood = -4531.8233                       Pseudo R2       =    0.3777

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   .3.3.3.    .3.3.3.      -0.33   0.744     .0.4.3.    .3.3.3.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
                b = consistent under Ho and Ha; obtained from xtlogit
                B = inconsistent under Ho, efficient under Ho; obtained from logit

    Test: Ho:  difference in coefficients not systematic

                  chi2(5) = (b-B)'[(V_b-V_B)^(-1)](b-B)
                          =   -0.00
                Prob>chi2 =   1.0000

Iteration 0:  log likelihood = -4944.8 Prob > chi2(2) = 0.000
last estimate not found

Note: the rank of the differenced variance matrix (5) does not equal the number of coefficients being tested (14); be sure this is what you expect, or there may be problems computing the test. Examine the output of your estimators for anything unexpected
and possibly consider scaling your variables so that the coefficients are on a similar scale.

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   .3.3.3.    .3.3.3.      -0.33   0.744     .0.4.3.    .3.3.3.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
convergence not achieved

Fitting comparison model:

Iteration 0:  log likelihood = -4944.8
Iteration 1:  log likelihood = -4944.8
Iteration 2:  log likelihood = -4944.8
Iteration 3:  log likelihood = -4944.8
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Iteration 17: log likelihood = -4944.8
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Iteration 29: log likelihood = -4944.8
Iteration 30: log likelihood = -4944.8
Iteration 31: log likelihood = -4944.8
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Iteration 33: log likelihood = -4944.8
Iteration 34: log likelihood = -4944.8
Iteration 35: log likelihood = -4944.8
Iteration 36: log likelihood = -4944.8
Iteration 37: log likelihood = -4944.8
Iteration 38: log likelihood = -4944.8
convergence not achieved

Random-effects logistic regression              Number of obs      =      4128
Group variable: id                              Number of groups   =      1053

Random effects u_i ~ Gaussian                   Obs per group: min =         1
                                                               avg =       3.9
                                                               max =         3

                                                Wald chi2(14)      =    2329.26
Log likelihood = -4944.4945                     Prob > chi2        =    0.0000

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   1.4.4.4.   .4.7.7.      2.96   0.003     .5.2.5.    2.3.7.5.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
                                                  LR chi2(14)     =  394.85
                                                  Prob > chi2     =    0.0000
Log likelihood = -4944.4945                       Pseudo R2       =    0.4496

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   .3.3.3.    .3.3.3.      -0.33   0.744     .0.4.3.    .3.3.3.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
                b = consistent under Ho and Ha; obtained from xtlogit
                B = inconsistent under Ho, efficient under Ho; obtained from logit

    Test: Ho:  difference in coefficients not systematic

                  chi2(5) = (b-B)'[(V_b-V_B)^(-1)](b-B)
                          =   -0.00
                Prob>chi2 =   1.0000

Iteration 0:  log likelihood = -4944.8 Prob > chi2(2) = 0.000
last estimate not found

Note: the rank of the differenced variance matrix (5) does not equal the number of coefficients being tested (14); be sure this is what you expect, or there may be problems computing the test. Examine the output of your estimators for anything unexpected
and possibly consider scaling your variables so that the coefficients are on a similar scale.

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   .3.3.3.    .3.3.3.      -0.33   0.744     .0.4.3.    .3.3.3.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
convergence not achieved

Fitting comparison model:

Iteration 0:  log likelihood = -4944.8
Iteration 1:  log likelihood = -4944.8
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Iteration 9:  log likelihood = -4944.8
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Iteration 33: log likelihood = -4944.8
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Iteration 35: log likelihood = -4944.8
Iteration 36: log likelihood = -4944.8
Iteration 37: log likelihood = -4944.8
Iteration 38: log likelihood = -4944.8
convergence not achieved

Random-effects logistic regression              Number of obs      =      4128
Group variable: id                              Number of groups   =      1053

Random effects u_i ~ Gaussian                   Obs per group: min =         1
                                                               avg =       3.9
                                                               max =         3

                                                Wald chi2(14)      =    2329.26
Log likelihood = -4944.4945                     Prob > chi2        =    0.0000

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   1.4.4.4.   .4.7.7.      2.96   0.003     .5.2.5.    2.3.7.5.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
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helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
                                                  LR chi2(14)     =  394.85
                                                  Prob > chi2     =    0.0000
Log likelihood = -4944.4945                       Pseudo R2       =    0.4496

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   .3.3.3.    .3.3.3.      -0.33   0.744     .0.4.3.    .3.3.3.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
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------------------------------------------------------------------------------
                b = consistent under Ho and Ha; obtained from xtlogit
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    Test: Ho:  difference in coefficients not systematic

                  chi2(5) = (b-B)'[(V_b-V_B)^(-1)](b-B)
                          =   -0.00
                Prob>chi2 =   1.0000

Note: the rank of the differenced variance matrix (5) does not equal the number of coefficients being tested (14); be sure this is what you expect, or there may be problems computing the test. Examine the output of your estimators for anything unexpected
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------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
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dsuppdf_care |   .3.3.3.    .3.3.3.      -0.33   0.744     .0.4.3.    .3.3.3.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
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income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
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exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
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helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
convergence not achieved

Fitting comparison model:

Iteration 0:  log likelihood = -4944.8
Iteration 1:  log likelihood = -4944.8
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convergence not achieved

Random-effects logistic regression              Number of obs      =      4128
Group variable: id                              Number of groups   =      1053

Random effects u_i ~ Gaussian                   Obs per group: min =         1
                                                               avg =       3.9
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                                                Wald chi2(14)      =    2329.26
Log likelihood = -4944.4945                     Prob > chi2        =    0.0000

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
dsuppdf_care |   1.4.4.4.   .4.7.7.      2.96   0.003     .5.2.5.    2.3.7.5.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
exit_ent_ind |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
helpc_income |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
------------------------------------------------------------------------------
                                                  LR chi2(14)     =  394.85
                                                  Prob > chi2     =    0.0000
Log likelihood = -4944.4945                       Pseudo R2       =    0.4496

------------------------------------------------------------------------------
             |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
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dsuppdf_care |   .3.3.3.    .3.3.3.      -0.33   0.744     .0.4.3.    .3.3.3.
        age  |   .7.3.3.    .7.3.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
        edu7 |   .0.7.3.    .0.7.3.      -2.42   0.016     -.1.3.3.   .0.3.3.
income_adj   |   .0.4.4.    .0.4.4.      -2.42   0.016     -.1.3.3.   .0.3.3.
sexmale_dummy|   .1.4.4.    .1.4.4.      -2.42   0.016     
```