svyset psu [pweight=wt8], strata (stratum) singleunit(missing)

pweight: wt8

VCE: linearized

Single unit: missing

Strata 1: stratum

SU 1: psu

FPC 1: <zero>

.

.

. capture noisily svy,subpop(age\_60\_74): cloglog dead `base\_vars', eform nolog

(running cloglog on estimation sample)

Survey: Complementary log-log regression

Number of strata = 339 Number of obs = 3867306

Number of PSUs = 678 Population size = 3126764081

Subpop. no. of obs = 844049

Subpop. size = 651292228

Design df = 339

F( 5, 335) = 64.71

Prob > F = 0.0000

---------------------------------------------------------------------------------------

| Linearized

dead | exp(b) Std. Err. t P>|t| [95% Conf. Interval]

----------------------+----------------------------------------------------------------

dur\_cat |

1.75-3.00 Yrs | .9904084 .0531998 -0.18 0.858 .8911036 1.10078

3.25-5.00 Yrs | 1.011766 .0528427 0.22 0.823 .9129859 1.121233

5.25-9.75 Yrs | .9666585 .0536707 -0.61 0.542 .8666493 1.078208

|

sex |

Female | .5974099 .0224265 -13.72 0.000 .5548865 .643192

|

xspd2 |

Serious Psy Distress | 2.361186 .1839605 11.03 0.000 2.025701 2.752233

|

\_cons | .0054211 .0002177 -129.93 0.000 .0050094 .0058667

---------------------------------------------------------------------------------------

. est store m1

.

. margins, at(xspd2= (1 2))

Predictive margins Number of obs = 3867306

Model VCE : Linearized

Expression : Pr(dead), predict()

1.\_at : xspd2 = 1

2.\_at : xspd2 = 2

------------------------------------------------------------------------------

| Delta-method

| Margin Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

\_at |

1 | .0099681 .0007668 13.00 0.000 .0084651 .011471

2 | .0042346 .0000861 49.16 0.000 .0040658 .0044035

------------------------------------------------------------------------------

. margins, dydx( xspd2)

Average marginal effects Number of obs = 3867306

Model VCE : Linearized

Expression : Pr(dead), predict()

dy/dx w.r.t. : 1.xspd2

---------------------------------------------------------------------------------------

| Delta-method

| dy/dx Std. Err. z P>|z| [95% Conf. Interval]

----------------------+----------------------------------------------------------------

xspd2 |

Serious Psy Distress | .0057334 .0007627 7.52 0.000 .0042386 .0072283

---------------------------------------------------------------------------------------

Note: dy/dx for factor levels is the discrete change from the base level.

.

. capture noisily svy,subpop(age\_60\_74): cloglog dead `base\_smk', eform nolog

(running cloglog on estimation sample)

Survey: Complementary log-log regression

Number of strata = 339 Number of obs = 3864207

Number of PSUs = 678 Population size = 3124354296

Subpop. no. of obs = 840950

Subpop. size = 648882443.1

Design df = 339

F( 7, 333) = 123.72

Prob > F = 0.0000

---------------------------------------------------------------------------------------

| Linearized

dead | exp(b) Std. Err. t P>|t| [95% Conf. Interval]

----------------------+----------------------------------------------------------------

dur\_cat |

1.75-3.00 Yrs | .9894268 .053543 -0.20 0.844 .88952 1.100555

3.25-5.00 Yrs | .9954637 .0522202 -0.09 0.931 .8978689 1.103667

5.25-9.75 Yrs | .9361082 .0519459 -1.19 0.235 .8393101 1.04407

|

sex |

Female | .6587605 .0254103 -10.82 0.000 .6106278 .7106872

|

xspd2 |

Serious Psy Distress | 2.100907 .1645842 9.48 0.000 1.800882 2.450917

|

xsmoke |

Current Smoker | 2.809647 .136451 21.27 0.000 2.55367 3.091282

Former Smoker | 1.55564 .0748039 9.19 0.000 1.415246 1.709961

|

\_cons | .0034168 .000186 -104.33 0.000 .0030699 .003803

---------------------------------------------------------------------------------------

. est store m2

.

. margins, at(xsmoke= (1 2 3) xspd2= (1 2))

Predictive margins Number of obs = 3852319

Model VCE : Linearized

Expression : Pr(dead), predict()

1.\_at : xspd2 = 1

xsmoke = 1

2.\_at : xspd2 = 1

xsmoke = 2

3.\_at : xspd2 = 1

xsmoke = 3

4.\_at : xspd2 = 2

xsmoke = 1

5.\_at : xspd2 = 2

xsmoke = 2

6.\_at : xspd2 = 2

xsmoke = 3

------------------------------------------------------------------------------

| Delta-method

| Margin Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

\_at |

1 | .0160922 .0012691 12.68 0.000 .0136048 .0185795

2 | .0089435 .0007279 12.29 0.000 .0075168 .0103703

3 | .0057587 .0004984 11.55 0.000 .0047818 .0067356

4 | .0076936 .0002315 33.23 0.000 .0072398 .0081474

5 | .0042675 .0001284 33.24 0.000 .0040159 .0045191

6 | .0027454 .0001063 25.84 0.000 .0025371 .0029537

------------------------------------------------------------------------------

. margins, dydx( xspd2 xsmoke)

Average marginal effects Number of obs = 3852319

Model VCE : Linearized

Expression : Pr(dead), predict()

dy/dx w.r.t. : 1.xspd2 1.xsmoke 2.xsmoke

---------------------------------------------------------------------------------------

| Delta-method

| dy/dx Std. Err. z P>|z| [95% Conf. Interval]

----------------------+----------------------------------------------------------------

xspd2 |

Serious Psy Distress | .00474 .0006999 6.77 0.000 .0033681 .0061119

|

xsmoke |

Current Smoker | .0051077 .0002585 19.76 0.000 .004601 .0056144

Former Smoker | .0015713 .0001683 9.34 0.000 .0012415 .0019011

---------------------------------------------------------------------------------------

Note: dy/dx for factor levels is the discrete change from the base level.

.

. capture noisily svy,subpop(age\_60\_74): cloglog dead `base\_dis', eform nolog

(running cloglog on estimation sample)

Survey: Complementary log-log regression

Number of strata = 339 Number of obs = 3857945

Number of PSUs = 678 Population size = 3120023516

Subpop. no. of obs = 834688

Subpop. size = 644551663.2

Design df = 339

F( 6, 334) = 118.73

Prob > F = 0.0000

---------------------------------------------------------------------------------------

| Linearized

dead | exp(b) Std. Err. t P>|t| [95% Conf. Interval]

----------------------+----------------------------------------------------------------

dur\_cat |

1.75-3.00 Yrs | 1.011205 .0559717 0.20 0.841 .9068909 1.127517

3.25-5.00 Yrs | 1.060058 .0570517 1.08 0.279 .9535735 1.178433

5.25-9.75 Yrs | 1.049283 .0595171 0.85 0.397 .9385085 1.173133

|

sex |

Female | .6002687 .0230915 -13.27 0.000 .5565239 .6474521

|

xspd2 |

Serious Psy Distress | 2.033347 .1586319 9.10 0.000 1.744082 2.370588

|

chronic1p |

1+ Condition | 2.402481 .1131692 18.61 0.000 2.18988 2.635722

|

\_cons | .0027577 .0001632 -99.60 0.000 .0024547 .0030981

---------------------------------------------------------------------------------------

. est store m3

.

. margins, at(chronic1p= (1 2) xspd2= (1 2))

Predictive margins Number of obs = 3838055

Model VCE : Linearized

Expression : Pr(dead), predict()

1.\_at : xspd2 = 1

chronic1p = 1

2.\_at : xspd2 = 1

chronic1p = 2

3.\_at : xspd2 = 2

chronic1p = 1

4.\_at : xspd2 = 2

chronic1p = 2

------------------------------------------------------------------------------

| Delta-method

| Margin Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

\_at |

1 | .0109119 .0008498 12.84 0.000 .0092464 .0125774

2 | .0045574 .0003988 11.43 0.000 .0037758 .005339

3 | .0053824 .0001187 45.36 0.000 .0051498 .005615

4 | .0022441 .0000973 23.06 0.000 .0020534 .0024348

------------------------------------------------------------------------------

. margins, dydx( xspd2 chronic1p)

Average marginal effects Number of obs = 3838055

Model VCE : Linearized

Expression : Pr(dead), predict()

dy/dx w.r.t. : 1.xspd2 1.chronic1p

---------------------------------------------------------------------------------------

| Delta-method

| dy/dx Std. Err. z P>|z| [95% Conf. Interval]

----------------------+----------------------------------------------------------------

xspd2 |

Serious Psy Distress | .0036707 .0005592 6.56 0.000 .0025747 .0047667

|

chronic1p |

1+ Condition | .0032307 .0001512 21.36 0.000 .0029342 .0035271

---------------------------------------------------------------------------------------

Note: dy/dx for factor levels is the discrete change from the base level.

.

. capture noisily svy,subpop(age\_60\_74): cloglog dead `base\_s\_d', eform nolog

(running cloglog on estimation sample)

Survey: Complementary log-log regression

Number of strata = 339 Number of obs = 3854931

Number of PSUs = 678 Population size = 3117660937

Subpop. no. of obs = 831674

Subpop. size = 642189083.8

Design df = 339

F( 8, 332) = 161.28

Prob > F = 0.0000

---------------------------------------------------------------------------------------

| Linearized

dead | exp(b) Std. Err. t P>|t| [95% Conf. Interval]

----------------------+----------------------------------------------------------------

dur\_cat |

1.75-3.00 Yrs | 1.009786 .056304 0.17 0.861 .9048945 1.126837

3.25-5.00 Yrs | 1.042063 .0563496 0.76 0.447 .9369151 1.159011

5.25-9.75 Yrs | 1.016033 .057598 0.28 0.779 .9088268 1.135886

|

sex |

Female | .6531774 .0256516 -10.85 0.000 .6046206 .7056338

|

xspd2 |

Serious Psy Distress | 1.79836 .1415316 7.46 0.000 1.540447 2.099454

|

xsmoke |

Current Smoker | 2.767144 .136712 20.60 0.000 2.510887 3.049555

Former Smoker | 1.445953 .0704146 7.57 0.000 1.313876 1.591309

|

chronic1p |

1+ Condition | 2.409898 .1138441 18.62 0.000 2.196058 2.644562

|

\_cons | .0018054 .0001233 -92.47 0.000 .0015784 .0020651

---------------------------------------------------------------------------------------

. est store m4

. margins, at(xsmoke= (1 2 3) xspd2= (1 2))

Predictive margins Number of obs = 3823390

Model VCE : Linearized

Expression : Pr(dead), predict()

1.\_at : xspd2 = 1

xsmoke = 1

2.\_at : xspd2 = 1

xsmoke = 2

3.\_at : xspd2 = 1

xsmoke = 3

4.\_at : xspd2 = 2

xsmoke = 1

5.\_at : xspd2 = 2

xsmoke = 2

6.\_at : xspd2 = 2

xsmoke = 3

------------------------------------------------------------------------------

| Delta-method

| Margin Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

\_at |

1 | .0118554 .0009518 12.46 0.000 .0099899 .0137209

2 | .0062167 .0005188 11.98 0.000 .0051999 .0072336

3 | .0043045 .000378 11.39 0.000 .0035636 .0050454

4 | .0066139 .0002062 32.08 0.000 .0062097 .007018

5 | .0034628 .0001107 31.27 0.000 .0032457 .0036798

6 | .0023964 .0000937 25.57 0.000 .0022127 .0025801

------------------------------------------------------------------------------

. margins, at(chronic1p= (1 2) xspd2= (1 2))

Predictive margins Number of obs = 3823390

Model VCE : Linearized

Expression : Pr(dead), predict()

1.\_at : xspd2 = 1

chronic1p = 1

2.\_at : xspd2 = 1

chronic1p = 2

3.\_at : xspd2 = 2

chronic1p = 1

4.\_at : xspd2 = 2

chronic1p = 2

------------------------------------------------------------------------------

| Delta-method

| Margin Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

\_at |

1 | .0099585 .0007888 12.62 0.000 .0084125 .0115046

2 | .0041479 .0003645 11.38 0.000 .0034334 .0048623

3 | .0055533 .0001237 44.89 0.000 .0053109 .0057958

4 | .0023092 .0000992 23.27 0.000 .0021147 .0025037

------------------------------------------------------------------------------

. margins, dydx( xspd2 xsmoke chronic1p)

Average marginal effects Number of obs = 3823390

Model VCE : Linearized

Expression : Pr(dead), predict()

dy/dx w.r.t. : 1.xspd2 1.xsmoke 2.xsmoke 1.chronic1p

---------------------------------------------------------------------------------------

| Delta-method

| dy/dx Std. Err. z P>|z| [95% Conf. Interval]

----------------------+----------------------------------------------------------------

xspd2 |

Serious Psy Distress | .0029236 .0005153 5.67 0.000 .0019137 .0039336

|

xsmoke |

Current Smoker | .004335 .0002285 18.97 0.000 .0038872 .0047829

Former Smoker | .0010962 .0001434 7.65 0.000 .0008152 .0013773

|

chronic1p |

1+ Condition | .0033344 .000158 21.11 0.000 .0030248 .0036441

---------------------------------------------------------------------------------------

Note: dy/dx for factor levels is the discrete change from the base level.

.

. capture noisily svy,subpop(age\_60\_74): cloglog dead `base\_s\_d\_s', eform nolog

(running cloglog on estimation sample)

Survey: Complementary log-log regression

Number of strata = 339 Number of obs = 3849256

Number of PSUs = 678 Population size = 3113388883

Subpop. no. of obs = 825999

Subpop. size = 637917029.6

Design df = 339

F( 16, 324) = 108.38

Prob > F = 0.0000

---------------------------------------------------------------------------------------

| Linearized

dead | exp(b) Std. Err. t P>|t| [95% Conf. Interval]

----------------------+----------------------------------------------------------------

dur\_cat |

1.75-3.00 Yrs | 1.020183 .0568388 0.36 0.720 .91429 1.13834

3.25-5.00 Yrs | 1.074925 .0583113 1.33 0.184 .9661347 1.195965

5.25-9.75 Yrs | 1.066469 .0607778 1.13 0.260 .9533766 1.192976

|

sex |

Female | .5605441 .0217227 -14.94 0.000 .5194038 .604943

|

xspd2 |

Serious Psy Distress | 1.573877 .1268091 5.63 0.000 1.343206 1.844161

|

xsmoke |

Current Smoker | 2.44341 .1222957 17.85 0.000 2.214318 2.696203

Former Smoker | 1.426643 .0715226 7.09 0.000 1.292673 1.574497

|

chronic1p |

1+ Condition | 2.29917 .108522 17.64 0.000 2.095318 2.522854

|

marital |

Div/Sep | 1.403546 .0669871 7.10 0.000 1.27778 1.541692

Widow | 1.695474 .0849216 10.54 0.000 1.536399 1.871019

Never Married | 1.568184 .1189139 5.93 0.000 1.35089 1.82043

|

educ\_cat |

High Scool Grad. | .7880211 .030142 -6.23 0.000 .7309078 .8495974

College Grad/Higher | .5323133 .0324573 -10.34 0.000 .47215 .6001427

|

racehisp |

Hispanic | .8649668 .0632857 -1.98 0.048 .7490274 .9988521

NH Black | 1.20997 .0656703 3.51 0.001 1.087454 1.34629

NH Other | .7792461 .1025789 -1.89 0.059 .6014814 1.009548

|

\_cons | .0022393 .0001747 -78.19 0.000 .0019207 .0026108

---------------------------------------------------------------------------------------

. est store m5

.

.

. margins, at(xsmoke= (1 2 3) xspd2= (1 2))

Predictive margins Number of obs = 3798024

Model VCE : Linearized

Expression : Pr(dead), predict()

1.\_at : xspd2 = 1

xsmoke = 1

2.\_at : xspd2 = 1

xsmoke = 2

3.\_at : xspd2 = 1

xsmoke = 3

4.\_at : xspd2 = 2

xsmoke = 1

5.\_at : xspd2 = 2

xsmoke = 2

6.\_at : xspd2 = 2

xsmoke = 3

------------------------------------------------------------------------------

| Delta-method

| Margin Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

\_at |

1 | .0092914 .0007784 11.94 0.000 .0077658 .0108171

2 | .0054397 .0004652 11.69 0.000 .0045278 .0063515

3 | .0038173 .0003447 11.07 0.000 .0031417 .0044929

4 | .0059175 .0001879 31.49 0.000 .0055492 .0062858

5 | .003461 .0001105 31.32 0.000 .0032444 .0036776

6 | .0024277 .0000952 25.51 0.000 .0022412 .0026143

------------------------------------------------------------------------------

. margins, at(chronic1p= (1 2) xspd2= (1 2))

Predictive margins Number of obs = 3798024

Model VCE : Linearized

Expression : Pr(dead), predict()

1.\_at : xspd2 = 1

chronic1p = 1

2.\_at : xspd2 = 1

chronic1p = 2

3.\_at : xspd2 = 2

chronic1p = 1

4.\_at : xspd2 = 2

chronic1p = 2

------------------------------------------------------------------------------

| Delta-method

| Margin Std. Err. z P>|z| [95% Conf. Interval]

-------------+----------------------------------------------------------------

\_at |

1 | .0083031 .0006843 12.13 0.000 .0069619 .0096444

2 | .0036236 .0003263 11.11 0.000 .0029841 .0042631

3 | .0052871 .0001192 44.37 0.000 .0050536 .0055207

4 | .0023045 .0000989 23.31 0.000 .0021108 .0024983

------------------------------------------------------------------------------

.

. margins, dydx(xspd2 xsmoke chronic1p)

Average marginal effects Number of obs = 3798024

Model VCE : Linearized

Expression : Pr(dead), predict()

dy/dx w.r.t. : 1.xspd2 1.xsmoke 2.xsmoke 1.chronic1p

---------------------------------------------------------------------------------------

| Delta-method

| dy/dx Std. Err. z P>|z| [95% Conf. Interval]

----------------------+----------------------------------------------------------------

xspd2 |

Serious Psy Distress | .0020615 .0004549 4.53 0.000 .0011699 .0029531

|

xsmoke |

Current Smoker | .0035695 .0002126 16.79 0.000 .0031527 .0039863

Former Smoker | .001057 .0001475 7.17 0.000 .0007679 .001346

|

chronic1p |

1+ Condition | .0030492 .0001535 19.87 0.000 .0027484 .00335

---------------------------------------------------------------------------------------

Note: dy/dx for factor levels is the discrete change from the base level.

.

. estout m1 m2 m3 m4 m5 using "E:\Stata\_mortality\models\_ages60\_74.txt", replace ///

> cells("b(fmt(%5.2f) star) ci(par([ , ]) fmt(%6.2f))" ) eform ///

> stats(N\_sub, fmt(%12.0gc) labels("PY of obs")) ///

> collabels("RR" "95% CI") drop(\_cons) style(fixed)

(output written to E:\Stata\_mortality\models\_ages60\_74.txt)

.

.

. log close age60\_74

name: age60\_74

log: E:\Stata\_mortality\age60\_74.log

log type: text

closed on: 28 May 2014, 12:35:10