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

pweight: wt8

VCE: linearized

Single unit: missing

Strata 1: stratum

SU 1: psu

FPC 1: <zero>

. capture noisily svy,subpop(age\_75\_84): 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 = 390866

Subpop. size = 267508421.8

Design df = 339

F( 5, 335) = 48.86

Prob > F = 0.0000

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

| Linearized

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

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

dur\_cat |

1.75-3.00 Yrs | 1.113678 .0532479 2.25 0.025 1.013714 1.223499

3.25-5.00 Yrs | 1.125971 .0533858 2.50 0.013 1.02571 1.236033

5.25-9.75 Yrs | 1.149206 .054375 2.94 0.004 1.047077 1.261296

|

sex |

Female | .6760009 .0226743 -11.67 0.000 .6328403 .7221051

|

xspd2 |

Serious Psy Distress | 2.101915 .15342 10.18 0.000 1.820802 2.426428

|

\_cons | .0135538 .0005405 -107.86 0.000 .0125312 .0146597

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

.

. 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 | .0256112 .0018083 14.16 0.000 .022067 .0291554

2 | .012271 .000216 56.81 0.000 .0118476 .0126943

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

. 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 | .0133402 .001812 7.36 0.000 .0097888 .0168916

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

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

.

. capture noisily svy,subpop(age\_75\_84): cloglog dead `base\_smk', eform nolog

(running cloglog on estimation sample)

Survey: Complementary log-log regression

Number of strata = 339 Number of obs = 3865732

Number of PSUs = 678 Population size = 3125638245

Subpop. no. of obs = 389292

Subpop. size = 266382585.1

Design df = 339

F( 7, 333) = 79.46

Prob > F = 0.0000

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

| Linearized

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

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

dur\_cat |

1.75-3.00 Yrs | 1.107907 .0527 2.15 0.032 1.008948 1.216571

3.25-5.00 Yrs | 1.10994 .0529847 2.19 0.030 1.010463 1.21921

5.25-9.75 Yrs | 1.124154 .0537634 2.45 0.015 1.023224 1.23504

|

sex |

Female | .7545568 .026777 -7.94 0.000 .703683 .8091085

|

xspd2 |

Serious Psy Distress | 2.004382 .1473848 9.46 0.000 1.734468 2.316299

|

xsmoke |

Current Smoker | 2.357191 .1148957 17.59 0.000 2.141688 2.594377

Former Smoker | 1.491611 .0549069 10.86 0.000 1.387427 1.603618

|

\_cons | .0097931 .0004776 -94.86 0.000 .0088973 .010779

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

. 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 | .0428029 .0033528 12.77 0.000 .0362315 .0493743

2 | .0273072 .0020082 13.60 0.000 .0233712 .0312432

3 | .0183924 .0013716 13.41 0.000 .015704 .0210808

4 | .0215939 .0009034 23.90 0.000 .0198232 .0233645

5 | .0137203 .0003152 43.53 0.000 .0131026 .014338

6 | .0092197 .0002701 34.14 0.000 .0086903 .0097491

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

. 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 | .0131934 .001887 6.99 0.000 .009495 .0168918

|

xsmoke |

Current Smoker | .0127357 .0009368 13.59 0.000 .0108995 .0145718

Former Smoker | .0046331 .0004208 11.01 0.000 .0038084 .0054579

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

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

.

. capture noisily svy,subpop(age\_75\_84): cloglog dead `base\_dis', eform nolog

(running cloglog on estimation sample)

Survey: Complementary log-log regression

Number of strata = 339 Number of obs = 3860459

Number of PSUs = 678 Population size = 3122303568

Subpop. no. of obs = 384019

Subpop. size = 263047908.4

Design df = 339

F( 6, 334) = 70.15

Prob > F = 0.0000

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

| Linearized

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

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

dur\_cat |

1.75-3.00 Yrs | 1.141769 .0560274 2.70 0.007 1.036715 1.257468

3.25-5.00 Yrs | 1.158765 .0571095 2.99 0.003 1.051705 1.276724

5.25-9.75 Yrs | 1.218419 .0591394 4.07 0.000 1.107473 1.340479

|

sex |

Female | .6829235 .0226708 -11.49 0.000 .639755 .7290049

|

xspd2 |

Serious Psy Distress | 1.954851 .1456809 8.99 0.000 1.688311 2.26347

|

chronic1p |

1+ Condition | 1.818273 .0868383 12.52 0.000 1.65524 1.997363

|

\_cons | .008096 .0004966 -78.52 0.000 .0071758 .0091342

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

. 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 | .0267443 .0019324 13.84 0.000 .0229568 .0305319

2 | .014802 .0012649 11.70 0.000 .0123229 .0172812

3 | .0137753 .0002646 52.06 0.000 .0132567 .014294

4 | .0076007 .0003333 22.80 0.000 .0069474 .0082539

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

. 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 | .0096371 .001455 6.62 0.000 .0067853 .0124889

|

chronic1p |

1+ Condition | .0063427 .0004311 14.71 0.000 .0054977 .0071876

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

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

.

. capture noisily svy,subpop(age\_75\_84): cloglog dead `base\_s\_d', eform nolog

(running cloglog on estimation sample)

Survey: Complementary log-log regression

Number of strata = 339 Number of obs = 3858974

Number of PSUs = 678 Population size = 3121245496

Subpop. no. of obs = 382534

Subpop. size = 261989836.4

Design df = 339

F( 8, 332) = 85.20

Prob > F = 0.0000

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

| Linearized

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

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

dur\_cat |

1.75-3.00 Yrs | 1.135454 .0553418 2.61 0.010 1.031652 1.249699

3.25-5.00 Yrs | 1.140829 .0566053 2.66 0.008 1.034748 1.257785

5.25-9.75 Yrs | 1.190543 .0584416 3.55 0.000 1.080965 1.311229

|

sex |

Female | .7549622 .0262225 -8.09 0.000 .7051055 .8083442

|

xspd2 |

Serious Psy Distress | 1.862523 .1392895 8.32 0.000 1.607741 2.157681

|

xsmoke |

Current Smoker | 2.382073 .1177196 17.56 0.000 2.161419 2.625254

Former Smoker | 1.443471 .0534331 9.92 0.000 1.342104 1.552494

|

chronic1p |

1+ Condition | 1.820835 .0861926 12.66 0.000 1.658949 1.998519

|

\_cons | .0059594 .0004064 -75.12 0.000 .0052114 .0068149

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

. 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 | .03404 .0028073 12.13 0.000 .0285378 .0395421

2 | .0207833 .0015999 12.99 0.000 .0176475 .0239191

3 | .0144496 .0011244 12.85 0.000 .0122458 .0166535

4 | .0184389 .0008153 22.62 0.000 .0168409 .0200369

5 | .0112189 .0002902 38.66 0.000 .0106502 .0117876

6 | .0077871 .0002542 30.63 0.000 .0072889 .0082853

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

. 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 | .0279494 .002038 13.71 0.000 .023955 .0319438

2 | .0154657 .0013261 11.66 0.000 .0128667 .0180648

3 | .0151227 .0003363 44.97 0.000 .0144635 .0157818

4 | .0083391 .0003815 21.86 0.000 .0075915 .0090867

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

. 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 | .0095505 .0015239 6.27 0.000 .0065636 .0125373

|

xsmoke |

Current Smoker | .0109534 .0008212 13.34 0.000 .0093438 .012563

Former Smoker | .0035298 .000351 10.06 0.000 .002842 .0042177

|

chronic1p |

1+ Condition | .0069801 .0004717 14.80 0.000 .0060556 .0079045

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

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

.

. capture noisily svy,subpop(age\_75\_84): 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 = 3856137

Number of PSUs = 678 Population size = 3119146244

Subpop. no. of obs = 379697

Subpop. size = 259890584.5

Design df = 339

F( 16, 324) = 53.66

Prob > F = 0.0000

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

| Linearized

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

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

dur\_cat |

1.75-3.00 Yrs | 1.158376 .0562734 3.03 0.003 1.052811 1.274526

3.25-5.00 Yrs | 1.170416 .058496 3.15 0.002 1.06083 1.291322

5.25-9.75 Yrs | 1.234375 .0620393 4.19 0.000 1.118183 1.362641

|

sex |

Female | .6737907 .0246812 -10.78 0.000 .6269508 .7241299

|

xspd2 |

Serious Psy Distress | 1.735618 .1327321 7.21 0.000 1.493224 2.01736

|

xsmoke |

Current Smoker | 2.230271 .1105816 16.18 0.000 2.023029 2.458744

Former Smoker | 1.441346 .0534326 9.86 0.000 1.339985 1.550374

|

chronic1p |

1+ Condition | 1.811365 .0860182 12.51 0.000 1.64983 1.988716

|

marital |

Div/Sep | 1.268868 .0741212 4.08 0.000 1.131136 1.423369

Widow | 1.305786 .0494831 7.04 0.000 1.211993 1.406838

Never Married | 1.525792 .1133165 5.69 0.000 1.318416 1.765787

|

educ\_cat |

High Scool Grad. | .7925239 .0286 -6.44 0.000 .7382183 .8508243

College Grad/Higher | .6449428 .036308 -7.79 0.000 .5773377 .7204644

|

racehisp |

Hispanic | .7498415 .0518009 -4.17 0.000 .6545694 .8589804

NH Black | 1.040993 .0588702 0.71 0.478 .9314041 1.163476

NH Other | .7546578 .1237666 -1.72 0.087 .546575 1.041958

|

\_cons | .0067451 .0004845 -69.59 0.000 .0058564 .0077687

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

. est store m5