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name: <unnamed>

log: /Users/jinchenxie/Documents/GitHub/HF\_project\_code/GBTM/add predictors/add predictors log.log

log type: text

opened on: 2 Jul 2020, 14:46:27

. traj, var(HGB\_\*) indep(T\_\*) model(cnorm) min(2) max(25) order(3 3 3 2 1) risk(AGE\_ADMISSION FEMALE BP\_SYSTOLIC BP\_D

> IASTOLIC INSUR\_Medicare HTN\_HST HYPERLIPIDEMIA\_HST DIAB\_HST VTVF\_HST CKD\_HST CCI\_RENAL\_DISEASE ACE\_ARB\_00) refgro

> up(1)

==== traj stata plugin ==== Jones BL Nagin DS, build: May 12 2020

1468 observations read.

1468 observations used in the trajectory model.

Maximum Likelihood Estimates

Model: Censored Normal (cnorm)

Standard T for H0:

Group Parameter Estimate Error Parameter=0 Prob > |T|

1 Intercept 10.09121 0.17900 56.377 0.0000

Linear -0.49226 0.09981 -4.932 0.0000

Quadratic 0.06548 0.01544 4.240 0.0000

Cubic -0.00249 0.00068 -3.647 0.0003

2 Intercept 10.80837 0.24135 44.783 0.0000

Linear -0.13707 0.13780 -0.995 0.3199

Quadratic 0.02265 0.02073 1.093 0.2746

Cubic -0.00087 0.00090 -0.966 0.3342

3 Intercept 12.81817 0.25298 50.669 0.0000

Linear -0.33785 0.13489 -2.505 0.0123

Quadratic -0.02557 0.02132 -1.199 0.2305

Cubic 0.00228 0.00095 2.405 0.0162

4 Intercept 12.74364 0.15639 81.486 0.0000

Linear -0.01539 0.04357 -0.353 0.7240

Quadratic -0.00879 0.00282 -3.114 0.0019

5 Intercept 14.53568 0.09675 150.241 0.0000

Linear -0.11042 0.01319 -8.372 0.0000

Sigma 1.44791 0.01116 129.743 0.0000

Group membership

1 Baseline (0.00000) . . .

2 Constant -0.95050 1.13710 -0.836 0.4032

AGE\_ADMISSIO 0.00540 0.01525 0.354 0.7232

FEMALE 0.02274 0.23486 0.097 0.9229

BP\_SYSTOLIC -0.01496 0.00711 -2.104 0.0354

BP\_DIASTOLIC 0.03884 0.01273 3.052 0.0023

INSUR\_Medica 0.22063 0.29776 0.741 0.4587

HTN\_HST 0.03356 0.28806 0.116 0.9073

HYPERLIPIDEM -0.30338 0.26061 -1.164 0.2444

DIAB\_HST -0.34119 0.25748 -1.325 0.1852

VTVF\_HST -0.18206 0.49317 -0.369 0.7120

CKD\_HST -0.19941 0.37583 -0.531 0.5957

CCI\_RENAL\_DI -0.24408 0.33080 -0.738 0.4606

ACE\_ARB\_00 0.30955 0.24986 1.239 0.2154

3 Constant -3.09479 1.38148 -2.240 0.0251

AGE\_ADMISSIO 0.04372 0.01782 2.454 0.0142

FEMALE -0.43884 0.24901 -1.762 0.0780

BP\_SYSTOLIC -0.01808 0.00742 -2.436 0.0148

BP\_DIASTOLIC 0.04557 0.01328 3.430 0.0006

INSUR\_Medica -0.76052 0.28941 -2.628 0.0086

HTN\_HST -0.08856 0.29106 -0.304 0.7609

HYPERLIPIDEM 0.10012 0.27638 0.362 0.7172

DIAB\_HST -0.51567 0.26068 -1.978 0.0479

VTVF\_HST 0.65784 0.34593 1.902 0.0572

CKD\_HST 0.23184 0.41455 0.559 0.5760

CCI\_RENAL\_DI -1.27358 0.39035 -3.263 0.0011

ACE\_ARB\_00 0.80960 0.24560 3.296 0.0010

4 Constant 1.46593 1.00440 1.460 0.1445

AGE\_ADMISSIO -0.01729 0.01233 -1.403 0.1607

FEMALE -0.80859 0.23356 -3.462 0.0005

BP\_SYSTOLIC -0.02827 0.00700 -4.038 0.0001

BP\_DIASTOLIC 0.05812 0.01200 4.844 0.0000

INSUR\_Medica -0.37862 0.25236 -1.500 0.1336

HTN\_HST -0.12753 0.26012 -0.490 0.6239

HYPERLIPIDEM 0.25133 0.25017 1.005 0.3151

DIAB\_HST -1.02491 0.24603 -4.166 0.0000

VTVF\_HST 0.33076 0.34839 0.949 0.3424

CKD\_HST -0.97104 0.57045 -1.702 0.0887

CCI\_RENAL\_DI -1.61684 0.39741 -4.068 0.0000

ACE\_ARB\_00 0.70772 0.22580 3.134 0.0017

5 Constant 0.63175 1.09640 0.576 0.5645

AGE\_ADMISSIO -0.02182 0.01325 -1.647 0.0996

FEMALE -1.89770 0.29965 -6.333 0.0000

BP\_SYSTOLIC -0.03875 0.00798 -4.859 0.0000

BP\_DIASTOLIC 0.08184 0.01319 6.207 0.0000

INSUR\_Medica -0.28870 0.27305 -1.057 0.2904

HTN\_HST 0.04281 0.28310 0.151 0.8798

HYPERLIPIDEM -0.35223 0.27240 -1.293 0.1960

DIAB\_HST -0.65031 0.26249 -2.477 0.0132

VTVF\_HST 0.84030 0.34838 2.412 0.0159

CKD\_HST -0.31368 0.46835 -0.670 0.5030

CCI\_RENAL\_DI -1.57058 0.40190 -3.908 0.0001

ACE\_ARB\_00 0.95212 0.25173 3.782 0.0002

BIC=-18994.42 (N=9709) BIC=-18928.30 (N=1468) AIC=-18743.09 ll= -18673.09

. traj, var(EGFR\_\*) indep(T\_\*) model(cnorm) min(1) max(194) order(3 3 2 1 1) risk(AGE\_ADMISSION RACE\_White BP\_SYSTOLI

> C INSUR\_Medicare HTN\_HST DIAB\_HST CKD\_HST CCI\_RENAL\_DISEASE) refgroup(1)

==== traj stata plugin ==== Jones BL Nagin DS, build: May 12 2020

1468 observations read.

1468 observations used in the trajectory model.

Maximum Likelihood Estimates

Model: Censored Normal (cnorm)

Standard T for H0:

Group Parameter Estimate Error Parameter=0 Prob > |T|

1 Intercept 23.38933 1.72692 13.544 0.0000

Linear -3.54141 0.97469 -3.633 0.0003

Quadratic 0.36949 0.15367 2.404 0.0162

Cubic -0.01294 0.00688 -1.882 0.0598

2 Intercept 51.64422 1.44785 35.670 0.0000

Linear -5.54378 0.82488 -6.721 0.0000

Quadratic 0.53556 0.13425 3.989 0.0001

Cubic -0.01999 0.00613 -3.259 0.0011

3 Intercept 71.28252 1.21980 58.438 0.0000

Linear -3.99634 0.35677 -11.201 0.0000

Quadratic 0.16341 0.02547 6.415 0.0000

4 Intercept 88.39738 1.06122 83.298 0.0000

Linear -1.74433 0.15347 -11.366 0.0000

5 Intercept 120.85657 2.09094 57.800 0.0000

Linear -1.79723 0.27241 -6.597 0.0000

Sigma 16.19594 0.12000 134.968 0.0000

Group membership

1 Baseline (0.00000) . . .

2 Constant 1.08698 0.98300 1.106 0.2688

AGE\_ADMISSIO 0.05767 0.01346 4.285 0.0000

RACE\_White 0.17734 0.24087 0.736 0.4616

BP\_SYSTOLIC -0.02220 0.00489 -4.542 0.0000

INSUR\_Medica -0.78537 0.25460 -3.085 0.0020

HTN\_HST 0.22193 0.25247 0.879 0.3794

DIAB\_HST -0.29474 0.22197 -1.328 0.1843

CKD\_HST -0.31286 0.29375 -1.065 0.2869

CCI\_RENAL\_DI -2.05705 0.27390 -7.510 0.0000

3 Constant 3.46356 0.93351 3.710 0.0002

AGE\_ADMISSIO 0.01172 0.01247 0.940 0.3472

RACE\_White 0.33243 0.24280 1.369 0.1710

BP\_SYSTOLIC -0.01698 0.00491 -3.459 0.0005

INSUR\_Medica -0.74227 0.25209 -2.944 0.0032

HTN\_HST 0.40292 0.24821 1.623 0.1046

DIAB\_HST -0.76905 0.22537 -3.412 0.0006

CKD\_HST -1.21404 0.38171 -3.181 0.0015

CCI\_RENAL\_DI -2.91557 0.30634 -9.517 0.0000

4 Constant 5.09812 1.00344 5.081 0.0000

AGE\_ADMISSIO -0.01303 0.01312 -0.993 0.3208

RACE\_White 0.72608 0.27709 2.620 0.0088

BP\_SYSTOLIC -0.02459 0.00559 -4.400 0.0000

INSUR\_Medica -0.68201 0.27413 -2.488 0.0129

HTN\_HST 0.32028 0.27185 1.178 0.2388

DIAB\_HST -0.75520 0.25297 -2.985 0.0028

CKD\_HST -1.48078 0.67043 -2.209 0.0272

CCI\_RENAL\_DI -4.26710 0.63260 -6.745 0.0000

5 Constant 3.41384 1.31729 2.592 0.0096

AGE\_ADMISSIO -0.01797 0.01707 -1.053 0.2924

RACE\_White 0.94153 0.40741 2.311 0.0209

BP\_SYSTOLIC -0.02440 0.00785 -3.108 0.0019

INSUR\_Medica -0.39450 0.37420 -1.054 0.2918

HTN\_HST 0.88510 0.37102 2.386 0.0171

DIAB\_HST -0.97012 0.35756 -2.713 0.0067

CKD\_HST -13.71359 439.58641 -0.031 0.9751

CCI\_RENAL\_DI -4.03841 1.03406 -3.905 0.0001

BIC=-43480.26 (N=9934) BIC=-43430.55 (N=1468) AIC=-43292.96 ll= -43240.96

. traj, var(HCT\_\*) indep(T\_\*) model(cnorm) min(9.5) max(76.5) order(2 1 3 3 1 1) risk(AGE\_ADMISSION RACE\_White FEMALE

> BP\_DIASTOLIC INSUR\_Medicare MAJOR\_BLEED\_HST CKD\_HST CCI\_RENAL\_DISEASE) refgroup(1)

==== traj stata plugin ==== Jones BL Nagin DS, build: May 12 2020

1468 observations read.

1468 observations used in the trajectory model.

Maximum Likelihood Estimates

Model: Censored Normal (cnorm)

Standard T for H0:

Group Parameter Estimate Error Parameter=0 Prob > |T|

1 Intercept 28.50211 1.03088 27.648 0.0000

Linear -1.40397 0.30869 -4.548 0.0000

Quadratic 0.08943 0.02013 4.443 0.0000

2 Intercept 29.51260 0.27379 107.795 0.0000

Linear -0.03979 0.03481 -1.143 0.2531

3 Intercept 38.72178 0.70486 54.936 0.0000

Linear -0.71149 0.40121 -1.773 0.0762

Quadratic -0.12157 0.06473 -1.878 0.0604

Cubic 0.00890 0.00294 3.029 0.0025

4 Intercept 34.68301 0.78146 44.382 0.0000

Linear -0.61866 0.37504 -1.650 0.0991

Quadratic 0.10123 0.05957 1.699 0.0893

Cubic -0.00428 0.00266 -1.608 0.1078

5 Intercept 40.52851 0.33834 119.787 0.0000

Linear -0.30815 0.04223 -7.298 0.0000

6 Intercept 45.74082 0.63726 71.778 0.0000

Linear -0.35004 0.06869 -5.096 0.0000

Sigma 4.35196 0.03356 129.667 0.0000

Group membership

1 Baseline (0.00000) . . .

2 Constant 3.11980 2.72068 1.147 0.2515

AGE\_ADMISSIO -0.00567 0.02979 -0.190 0.8492

RACE\_White 1.02189 0.51118 1.999 0.0456

FEMALE 0.67152 0.52929 1.269 0.2046

BP\_DIASTOLIC -0.00822 0.01972 -0.417 0.6770

INSUR\_Medica 0.19186 0.59750 0.321 0.7481

MAJOR\_BLEED\_ -1.00912 0.56948 -1.772 0.0764

CKD\_HST -0.56813 0.62378 -0.911 0.3624

CCI\_RENAL\_DI -1.03784 0.69035 -1.503 0.1328

3 Constant 0.32463 2.80824 0.116 0.9080

AGE\_ADMISSIO 0.02086 0.03219 0.648 0.5170

RACE\_White 1.14553 0.53742 2.132 0.0331

FEMALE 0.17942 0.54176 0.331 0.7405

BP\_DIASTOLIC 0.01760 0.02000 0.880 0.3788

INSUR\_Medica -0.65599 0.59767 -1.098 0.2724

MAJOR\_BLEED\_ -1.27453 0.68087 -1.872 0.0613

CKD\_HST -0.53771 0.70688 -0.761 0.4469

CCI\_RENAL\_DI -2.27624 0.74695 -3.047 0.0023

4 Constant 1.67343 2.61284 0.640 0.5219

AGE\_ADMISSIO -0.00539 0.02992 -0.180 0.8571

RACE\_White 0.59683 0.50254 1.188 0.2350

FEMALE 0.41514 0.53857 0.771 0.4408

BP\_DIASTOLIC 0.01791 0.01879 0.953 0.3406

INSUR\_Medica 0.21340 0.58780 0.363 0.7166

MAJOR\_BLEED\_ -0.31380 0.52462 -0.598 0.5498

CKD\_HST -0.71944 0.61732 -1.165 0.2439

CCI\_RENAL\_DI -1.58593 0.68352 -2.320 0.0203

5 Constant 4.52669 2.63925 1.715 0.0864

AGE\_ADMISSIO -0.04176 0.02902 -1.439 0.1502

RACE\_White 0.97102 0.50821 1.911 0.0561

FEMALE -0.70932 0.53753 -1.320 0.1870

BP\_DIASTOLIC 0.01821 0.01910 0.953 0.3404

INSUR\_Medica -0.15075 0.57857 -0.261 0.7944

MAJOR\_BLEED\_ -0.79390 0.56519 -1.405 0.1602

CKD\_HST -2.23928 0.85662 -2.614 0.0090

CCI\_RENAL\_DI -2.67078 0.71037 -3.760 0.0002

6 Constant 2.00143 2.74646 0.729 0.4662

AGE\_ADMISSIO -0.04275 0.03017 -1.417 0.1566

RACE\_White 1.02789 0.54741 1.878 0.0604

FEMALE -0.92771 0.58679 -1.581 0.1139

BP\_DIASTOLIC 0.03428 0.02006 1.709 0.0875

INSUR\_Medica -0.17176 0.60654 -0.283 0.7770

MAJOR\_BLEED\_ -0.67913 0.61494 -1.104 0.2695

CKD\_HST -0.35934 0.71787 -0.501 0.6167

CCI\_RENAL\_DI -2.44836 0.76104 -3.217 0.0013

BIC=-29724.26 (N=9719) BIC=-29664.72 (N=1468) AIC=-29498.03 ll= -29435.03

. log close

name: <unnamed>

log: /Users/jinchenxie/Documents/GitHub/HF\_project\_code/GBTM/add predictors/add predictors log.log

log type: text

closed on: 2 Jul 2020, 14:51:02

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