Appendix A3. Model output with coefficients

```
                                   Model Output
Fixed coefficients
                                 coef exp(coef)  se(coef)     z           p
AGE_AT_ADMIT                  0.012843    1.0129 0.0018665   6.88 0.0000000000059000
female                      -0.262365    0.7692 0.0500482  -5.24 0.0000001600000000
ADMIT_CAT1 ED, SURGICAL      0.071219    1.0738 0.0928874   0.77 0.4400000000000000
ADMIT_CAT3 ED, MEDICAL      -0.480057    0.6187 0.0923697  -5.20 0.0000002000000000
ADMIT_CAT4 NON-ED, MEDICAL  -0.124018    0.8834 0.1122244  -1.11 0.2700000000000000
FULL_CODE                   -0.111877    0.8942 0.0709375  -1.58 0.1100000000000000
HX_DIABETES_FLAG             0.082231    1.0857 0.0520687   1.58 0.1100000000000000
HX_STROKE_FLAG               0.030495    1.0310 0.0682219   0.45 0.6500000000000000
COPS2_PRIOR                  0.001552    1.0016 0.0004447   3.49 0.0004800000000000
LAPS2_HET                    0.005164    1.0052 0.0006553   7.88 0.0000000000000033
BRADEN_TOTAL                -0.114619    0.8917 0.0083270 -13.76 0.0000000000000000

Random effects
 Group      Variable  Std Dev Variance
 START_FAC Intercept 0.7096   0.5035
```

Note: For continuous variables, model coefficients were multiplied by the difference between the 25th percentile/first quartile(Q1) score and the 75th percentile/3rd quartile (Q3) score. Therefore, hazard ratio results reflect the impact of a continuous variable on the increased rate of HAPI over time when changed from Q1 (25th percentile) to Q3 (75th percentile).