|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Hyponatremia and mortality** | |  |  |  |
| **Overall model** | Beta coefficient | Standard  Erros | Chi  square | p value |
| Intercept | -4.25529 | 0.274281 | 240.7 | <.0001 |
| AGE\_FIRST\_ICUSTAY | 0.044257 | 0.001695 | 681.89 | <.0001 |
| GENDER[F] | -0.04742 | 0.024097 | 3.87 | 0.0491 |
| CONGESTIVE\_HEART\_FAILURE[0] | -0.14817 | 0.027939 | 28.13 | <.0001 |
| HYPERTENSION[0] | 0.086363 | 0.025965 | 11.06 | 0.0009 |
| LIVER\_DISEASE[0] | -0.33017 | 0.048684 | 45.99 | <.0001 |
| RENAL\_FAILURE[0] | -0.01699 | 0.052167 | 0.11 | 0.7447 |
| sbp | -0.00313 | 0.000899 | 12.16 | 0.0005 |
| HR | 0.015406 | 0.001211 | 161.86 | <.0001 |
| Hematocrit | -0.02242 | 0.003826 | 34.33 | <.0001 |
| Creatinine | 0.067251 | 0.015915 | 17.86 | <.0001 |
| WBC | 0.016761 | 0.002631 | 40.6 | <.0001 |
| na <=133[1] | 0.419283 | 0.036342 | 133.11 | <.0001 |
| Thiazide[1] | -0.18347 | 0.045552 | 16.22 | <.0001 |
| Loop[1] | 0.019796 | 0.029671 | 0.45 | 0.5047 |
| Other diuretic type[1] | 0.187914 | 0.096634 | 3.78 | 0.0518 |
|  |  |  |  |  |
| **Interactions terms** |  |  |  |  |
| Intercept | -4.4135 | 0.280999 | 246.69 | <.0001 |
| AGE\_FIRST\_ICUSTAY | 0.044456 | 0.001698 | 685.54 | <.0001 |
| GENDER[F] | -0.04597 | 0.024121 | 3.63 | 0.0567 |
| CONGESTIVE\_HEART\_FAILURE[0] | -0.15081 | 0.028 | 29.01 | <.0001 |
| HYPERTENSION[0] | 0.086776 | 0.025997 | 11.14 | 0.0008 |
| LIVER\_DISEASE[0] | -0.32325 | 0.048964 | 43.58 | <.0001 |
| RENAL\_FAILURE[0] | -0.01591 | 0.052284 | 0.09 | 0.7609 |
| sbp | -0.00302 | 0.0009 | 11.25 | 0.0008 |
| HR | 0.015446 | 0.001212 | 162.31 | <.0001 |
| Hematocrit | -0.02249 | 0.00383 | 34.48 | <.0001 |
| Creatinine | 0.067127 | 0.01598 | 17.65 | <.0001 |
| WBC | 0.016897 | 0.002643 | 40.88 | <.0001 |
| na <=133[1] | 0.257913 | 0.079913 | 10.42 | 0.0012 |
| Thiazide[1] | -0.36227 | 0.075092 | 23.27 | <.0001 |
| Loop[1] | 0.074274 | 0.043028 | 2.98 | 0.0843 |
| Other diuretic type[1] | 0.190132 | 0.096689 | 3.87 | 0.0492 |
| **Thiazide[1]\*na <=133[1]** | **-0.23618** | **0.074563** | **10.03** | **0.0015** |
| **Loop[1]\*na <=133[1]** | **0.074726** | **0.041979** | **3.17** | **0.0751** |
| **Stratified models** |  |  |  |  |
| **Amongst thiazide users** | |  |  |  |
| Intercept | -7.87555 | 1.126024 | 48.92 | <.0001 |
| AGE\_FIRST\_ICUSTAY | 0.069323 | 0.008564 | 65.53 | <.0001 |
| GENDER[F] | -0.02347 | 0.09195 | 0.07 | 0.7985 |
| CONGESTIVE\_HEART\_FAILURE[0] | -0.10073 | 0.111995 | 0.81 | 0.3684 |
| HYPERTENSION[0] | 0.105043 | 0.089536 | 1.38 | 0.2407 |
| LIVER\_DISEASE[0] | -0.31888 | 0.226602 | 1.98 | 0.1594 |
| RENAL\_FAILURE[0] | 0.446325 | 0.310234 | 2.07 | 0.1502 |
| sbp | -0.0046 | 0.003448 | 1.78 | 0.1822 |
| HR | 0.015047 | 0.004581 | 10.79 | 0.001 |
| Hematocrit | -0.00479 | 0.015024 | 0.1 | 0.7501 |
| Creatinine | 0.202354 | 0.084851 | 5.69 | 0.0171 |
| WBC | 0.010915 | 0.006636 | 2.71 | 0.1 |
| na <=133[1] | -0.07114 | 0.147899 | 0.23 | 0.6305 |
|  |  |  |  |  |
| **Amongst Loop users** | |  |  |  |
| Intercept | -4.51809 | 0.5391 | 70.24 | <.0001 |
| AGE\_FIRST\_ICUSTAY | 0.039489 | 0.004144 | 90.83 | <.0001 |
| GENDER[F] | -0.06172 | 0.048708 | 1.61 | 0.2051 |
| CONGESTIVE\_HEART\_FAILURE[0] | -0.16923 | 0.049098 | 11.88 | 0.0006 |
| HYPERTENSION[0] | 0.153491 | 0.055343 | 7.69 | 0.0055 |
| LIVER\_DISEASE[0] | -0.29511 | 0.090849 | 10.55 | 0.0012 |
| RENAL\_FAILURE[0] | -0.03707 | 0.090115 | 0.17 | 0.6808 |
| sbp | -0.00155 | 0.001817 | 0.73 | 0.3931 |
| HR | 0.012877 | 0.002513 | 26.26 | <.0001 |
| Hematocrit | 0.001001 | 0.007972 | 0.02 | 0.9 |
| Creatinine | 0.058557 | 0.034588 | 2.87 | 0.0905 |
| WBC | 0.014777 | 0.006107 | 5.85 | 0.0155 |
| na <=133[1] | 0.56842 | 0.074255 | 58.6 | <.0001 |
|  |  |  |  |  |