**Supplemental Table 2. Factors that are statistically significantly associated with intensive care unit length of stay, mortality and billed charges.**

*A) Total days in intensive care unit*

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| --- |
| **Statistically significant variables in the equation** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
| 1 | (Constant) | -114.576 | 50.702 |  | -2.260 | .024 |
| Admit Age In Years | -.588 | .024 | -.088 | -24.665 | .000 |
| year | .064 | .025 | .009 | 2.540 | .011 |
| RACHS Score | -.196 | .067 | -.010 | -2.944 | .003 |
| primumasd | -1.260 | .575 | -.007 | -2.192 | .028 |
| vsd | -1.241 | .199 | -.023 | -6.247 | .000 |
| dorv | .806 | .270 | .010 | 2.987 | .003 |
| tof | 1.017 | .283 | .013 | 3.591 | .000 |
| pulmonaryatresia | 2.124 | .360 | .019 | 5.904 | .000 |
| transposition | 1.426 | .283 | .017 | 5.033 | .000 |
| commonarterialtrunk | 4.243 | .496 | .028 | 8.551 | .000 |
| ebsteinanomaly | 1.865 | .650 | .009 | 2.870 | .004 |
| hlhs | 5.633 | .263 | .082 | 21.413 | .000 |
| coarctation | 5.915 | .309 | .064 | 19.127 | .000 |
| interruptedarch | 4.975 | .613 | .026 | 8.113 | .000 |
| tapvr | 1.490 | .396 | .013 | 3.760 | .000 |
| systemicvenousanomaly | 2.572 | .432 | .019 | 5.957 | .000 |
| congenitaltricuspidstenosis | .871 | .352 | .008 | 2.470 | .014 |
| congenitalmitralstenosis | 1.259 | .575 | .007 | 2.192 | .028 |
| congenitalaorticstenosis | 2.802 | .600 | .015 | 4.666 | .000 |
| congenitalpulmonaryarteryanomaly | 1.489 | .365 | .014 | 4.075 | .000 |
| heartfailure | 1.602 | .369 | .014 | 4.345 | .000 |
| ECMOrecode | 14.611 | .376 | .136 | 38.885 | .000 |
| dialysis | -1.777 | .568 | -.011 | -3.129 | .002 |
| heterotaxy | 1.029 | .429 | .008 | 2.397 | .017 |
| tachyarrhythmia | 4.524 | .271 | .055 | 16.693 | .000 |
| bradyarrhythmia | 3.719 | .285 | .042 | 13.055 | .000 |
| aki | 15.535 | .365 | .159 | 42.546 | .000 |
| pulmonaryhypertension | 7.313 | .288 | .083 | 25.371 | .000 |
| syndromic | 1.470 | .243 | .022 | 6.057 | .000 |
| hypothyroidism | 4.101 | .582 | .023 | 7.044 | .000 |
| cardiacarrest | 14.186 | .482 | .100 | 29.426 | .000 |
| steroids | -9.645 | .166 | -.193 | -58.051 | .000 |
| numberofinoconstrictors | -.756 | .079 | -.032 | -9.584 | .000 |
| alphablockade | -1.580 | .360 | -.014 | -4.387 | .000 |
| a. Dependent Variable: Total Days In ICU |

*B) Billed charges*

|  |
| --- |
| **Statistically significant variables in the equation** |
| Model | Unstandardized Coefficients | Standardized Coefficients | t | Sig. |
| B | Std. Error | Beta |
|  | (Constant) | -40873074.779 | 1175858.879 |  | -34.760 | .000 |
| Admit Age In Years | -8648.743 | 555.224 | -.052 | -15.577 | .000 |
| year | 20509.127 | 584.968 | .112 | 35.060 | .000 |
| RACHS Score | -10803.563 | 1546.427 | -.022 | -6.986 | .000 |
| vsd | -29080.806 | 4610.501 | -.022 | -6.308 | .000 |
| dorv | 22924.601 | 6258.357 | .012 | 3.663 | .000 |
| tof | 46618.321 | 6590.704 | .023 | 7.073 | .000 |
| pulmonaryatresia | 67458.616 | 8349.928 | .025 | 8.079 | .000 |
| avsd | -20334.392 | 6405.595 | -.011 | -3.174 | .002 |
| transposition | 31771.644 | 6551.543 | .016 | 4.849 | .000 |
| commonarterialtrunk | 108880.269 | 11489.082 | .029 | 9.477 | .000 |
| ebsteinanomaly | 57967.260 | 15103.453 | .012 | 3.838 | .000 |
| hlhs | 106810.100 | 6103.634 | .063 | 17.499 | .000 |
| coarctation | 123332.899 | 7162.245 | .054 | 17.220 | .000 |
| interruptedarch | 113152.233 | 14221.251 | .024 | 7.957 | .000 |
| papvr | -32552.326 | 11502.881 | -.009 | -2.830 | .005 |
| tapvr | 46584.239 | 9189.366 | .016 | 5.069 | .000 |
| systemicvenousanomaly | 65671.708 | 10026.276 | .020 | 6.550 | .000 |
| congenitalmitralstenosis | 30960.945 | 13307.071 | .007 | 2.327 | .020 |
| congenitalaorticstenosis | 61904.722 | 13935.991 | .014 | 4.442 | .000 |
| congenitalsubaorticstenosis | -47502.844 | 12301.550 | -.012 | -3.862 | .000 |
| congenitalpulmonaryarteryanomaly | 51176.861 | 8550.319 | .019 | 5.985 | .000 |
| congenitalcoronaryanomaly | 63469.218 | 9936.187 | .019 | 6.388 | .000 |
| heartfailure | 45966.217 | 8607.449 | .016 | 5.340 | .000 |
| ECMOrecode | 433848.152 | 8713.738 | .164 | 49.789 | .000 |
| dialysis | -31778.317 | 13227.892 | -.008 | -2.402 | .016 |
| heterotaxy | 28841.474 | 9950.749 | .009 | 2.898 | .004 |
| tachyarrhythmia | 149207.059 | 6292.576 | .073 | 23.712 | .000 |
| bradyarrhythmia | 78834.586 | 6623.124 | .036 | 11.903 | .000 |
| aki | 538225.743 | 8513.428 | .223 | 63.221 | .000 |
| pulmonaryhypertension | 203155.190 | 6716.061 | .093 | 30.249 | .000 |
| syndromic | 48898.200 | 5653.070 | .029 | 8.650 | .000 |
| hypothyroidism | 86870.206 | 13585.928 | .020 | 6.394 | .000 |
| cardiacarrest | 354070.462 | 11199.648 | .101 | 31.614 | .000 |
| steroids | -231531.991 | 3859.804 | -.189 | -59.985 | .000 |
| numberofinoconstrictors | 4918.105 | 1816.005 | .009 | 2.708 | .007 |
| alphablockade | 12926.694 | 8419.473 | .005 | 1.535 | .125 |
| a. Dependent Variable: Billed Charges |

*C) Mortality*

|  |
| --- |
| **Statistically significant variables in the equation** |
|  | B | S.E. | Wald | df | Sig. | Exp(B) | 95% C.I.for EXP(B) |
| Lower | Upper |
|  | AdmitAgeInYears | -.073 | .008 | 85.614 | 1 | .000 | .929 | .915 | .944 |
| year | -.082 | .006 | 159.547 | 1 | .000 | .921 | .910 | .933 |
| RACHSScore | .063 | .013 | 21.538 | 1 | .000 | 1.065 | 1.037 | 1.093 |
| secundumasd(1) | -.159 | .044 | 12.932 | 1 | .000 | .853 | .782 | .930 |
| dorv(1) | .292 | .063 | 21.466 | 1 | .000 | 1.339 | 1.183 | 1.515 |
| tof(1) | .154 | .077 | 3.984 | 1 | .046 | 1.166 | 1.003 | 1.357 |
| pulmonaryatresia(1) | .524 | .085 | 38.261 | 1 | .000 | 1.689 | 1.431 | 1.994 |
| avsd | .228 | .065 | 12.250 | 1 | .000 | 1.256 | 1.106 | 1.427 |
| cctga(1) | -.743 | .249 | 8.904 | 1 | .003 | .476 | .292 | .775 |
| commonarterialtrunk(1) | .548 | .111 | 24.238 | 1 | .000 | 1.729 | 1.391 | 2.151 |
| ebsteinanomaly(1) | .845 | .136 | 38.650 | 1 | .000 | 2.327 | 1.783 | 3.037 |
| hlhs(1) | .909 | .055 | 271.145 | 1 | .000 | 2.481 | 2.227 | 2.764 |
| commonventricle(1) | .239 | .077 | 9.721 | 1 | .002 | 1.270 | 1.093 | 1.476 |
| coarctation(1) | .277 | .063 | 19.208 | 1 | .000 | 1.319 | 1.165 | 1.492 |
| interruptedarch(1) | .445 | .117 | 14.492 | 1 | .000 | 1.561 | 1.241 | 1.962 |
| tapvr(1) | .748 | .076 | 96.343 | 1 | .000 | 2.113 | 1.820 | 2.453 |
| systemicvenousanomaly(1) | .362 | .088 | 17.034 | 1 | .000 | 1.436 | 1.209 | 1.705 |
| congenitalmitralstenosis(1) | .238 | .112 | 4.496 | 1 | .034 | 1.269 | 1.018 | 1.581 |
| congenitalaorticstenosis(1) | .423 | .115 | 13.471 | 1 | .000 | 1.527 | 1.218 | 1.913 |
| congenitalcoronaryanomaly(1) | .337 | .094 | 12.870 | 1 | .000 | 1.401 | 1.165 | 1.684 |
| heartfailure(1) | .195 | .075 | 6.724 | 1 | .010 | 1.216 | 1.049 | 1.410 |
| ECMOrecode(1) | 2.453 | .047 | 2760.784 | 1 | .000 | 11.622 | 10.606 | 12.735 |
| dialysis(1) | .693 | .072 | 92.141 | 1 | .000 | 2.000 | 1.736 | 2.304 |
| tachyarrhythmia(1) | .248 | .056 | 19.456 | 1 | .000 | 1.281 | 1.148 | 1.431 |
| bradyarrhythmia(1) | .263 | .063 | 17.615 | 1 | .000 | 1.301 | 1.151 | 1.472 |
| aki(1) | 1.572 | .054 | 856.864 | 1 | .000 | 4.819 | 4.337 | 5.354 |
| pulmonaryhypertension(1) | .379 | .061 | 38.135 | 1 | .000 | 1.461 | 1.295 | 1.647 |
| syndromic(1) | .321 | .061 | 27.609 | 1 | .000 | 1.378 | 1.223 | 1.554 |
| cardiacarrest(1) | 1.103 | .061 | 327.632 | 1 | .000 | 3.013 | 2.674 | 3.396 |
| steroids(1) | -.325 | .045 | 52.533 | 1 | .000 | .722 | .661 | .789 |
| numberofinoconstrictors | .283 | .020 | 199.297 | 1 | .000 | 1.327 | 1.276 | 1.380 |
| alphablockade(1) | -.163 | .075 | 4.686 | 1 | .030 | .850 | .733 | .985 |
| Constant | 159.114 | 13.007 | 149.642 | 1 | .000 | 1.265E+69 |  |  |