\*Bolded p-values are significant at 0.05 level\*

\*ventilator.dependentYes removed from no variable selection model b/c of NA values\*

Step Model (Backward Stepwise AIC Logistic Model)

Response variable ileostomy.formation

Using step\_table.txt

|  |  |  |
| --- | --- | --- |
| Variable | Odds Ratio (95% CI) | p-value |
| (Intercept) | 112097.01 (0,Inf) | 0.9831 |
| age.at.time.of.surgery | 1.02 (1.01,1.04) | **1e-04** |
| raceBlack or African American | 0 (0,Inf) | 0.9789 |
| raceNative Hawaiian or Other Pacific Islander | 2.88 (0,Inf) | 0.9997 |
| raceSome Other Race | 0 (0,Inf) | 0.9753 |
| raceUnknown/Not Reported | 0 (0,Inf) | 0.98 |
| raceWhite | 0 (0,Inf) | 0.9783 |
| origin.statusFrom acute care hospital inpatient | 1.65 (0.38,7.09) | 0.5016 |
| origin.statusHome/Permanent residence | 0.95 (0.26,3.51) | 0.9384 |
| origin.statusNot transferred (admitted from home) | 1.63 (0.45,5.9) | 0.4582 |
| origin.statusNursing home - Chronic care - Intermediate care | 0 (0,Inf) | 0.9939 |
| origin.statusOther facility | 2856737.8 (0,Inf) | 0.993 |
| origin.statusOutside emergency department | 0.59 (0.12,2.85) | 0.5095 |
| origin.statusTransfer from other | 0.17 (0.01,3.11) | 0.2291 |
| height | 1.02 (1,1.04) | **0.02** |
| weight | 0.99 (0.99,0.99) | **0** |
| bmi | 1.06 (1.02,1.09) | **0.0015** |
| platelet.count | 1 (1,1) | **0.0051** |
| emergency.caseYes | 0.33 (0.14,0.77) | **0.0106** |
| wound.classificationClean/Contaminated | 6.16 (0.38,100.17) | 0.2015 |
| wound.classificationContaminated | 2.69 (0.16,43.82) | 0.4876 |
| wound.classificationDirty/Infected | 5.29 (0.32,86.94) | 0.2433 |
| asa.classificationASA 2 - Mild Disturb | 1.33 (0.25,7.2) | 0.7405 |
| asa.classificationASA 3 - Severe Disturb | 0.79 (0.15,4.29) | 0.7876 |
| asa.classificationASA 4 - Life Threat | 0.28 (0.04,2.04) | 0.2081 |
| X..of.other.procedures | 0.61 (0.53,0.7) | **0** |
| X..of.concurrent.procedures | 1.32 (1.05,1.65) | **0.0154** |
| duration.of.surgical.procedure..in.minutes. | 1 (0.99,1) | **0.0023** |
| colectomy.mechanical.bowel.prepYes | 2.13 (1.52,2.99) | **0** |
| colectomy.operative.approachMIS, unplanned conversion to open | 0.91 (0.52,1.6) | 0.7448 |
| colectomy.operative.approachOpen | 0.5 (0.34,0.73) | **3e-04** |

Summary Table (Using step\_model.csv)

Response variable ileostomy.formation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| term | estimate | std.error | statistic | p.value |
| (Intercept) | 112083.566 | 549.58 | 0.021 | 0.983 |
| age.at.time.of.surgery | 1.024 | 0.006 | 3.865 | **0** |
| raceBlack or African American | 0 | 549.575 | -0.026 | 0.979 |
| raceNative Hawaiian or Other Pacific Islander | 2.878 | 2461.676 | 0 | 1 |
| raceSome Other Race | 0 | 549.576 | -0.031 | 0.975 |
| raceUnknown/Not Reported | 0 | 549.575 | -0.025 | 0.98 |
| raceWhite | 0 | 549.575 | -0.027 | 0.978 |
| origin.statusFrom acute care hospital inpatient | 1.649 | 0.744 | 0.672 | 0.502 |
| origin.statusHome/Permanent residence | 0.949 | 0.667 | -0.077 | 0.938 |
| origin.statusNot transferred (admitted from home) | 1.627 | 0.657 | 0.742 | 0.458 |
| origin.statusNursing home - Chronic care - Intermediate care | 0 | 2399.545 | -0.008 | 0.994 |
| origin.statusOther facility | 2856192.494 | 1683.358 | 0.009 | 0.993 |
| origin.statusOutside emergency department | 0.587 | 0.807 | -0.66 | 0.509 |
| origin.statusTransfer from other | 0.165 | 1.496 | -1.203 | 0.229 |
| height | 1.02 | 0.009 | 2.327 | **0.02** |
| weight | 0.99 | 0.002 | -4.865 | **0** |
| bmi | 1.057 | 0.017 | 3.167 | **0.002** |
| platelet.count | 0.998 | 0.001 | -2.804 | **0.005** |
| emergency.caseYes | 0.333 | 0.43 | -2.555 | **0.011** |
| wound.classificationClean/Contaminated | 6.16 | 1.423 | 1.277 | 0.201 |
| wound.classificationContaminated | 2.689 | 1.424 | 0.694 | 0.488 |
| wound.classificationDirty/Infected | 5.291 | 1.428 | 1.167 | 0.243 |
| asa.classificationASA 2 - Mild Disturb | 1.33 | 0.861 | 0.331 | 0.741 |
| asa.classificationASA 3 - Severe Disturb | 0.793 | 0.861 | -0.269 | 0.788 |
| asa.classificationASA 4 - Life Threat | 0.277 | 1.018 | -1.259 | 0.208 |
| X..of.other.procedures | 0.611 | 0.07 | -7.079 | **0** |
| X..of.concurrent.procedures | 1.318 | 0.114 | 2.423 | **0.015** |
| duration.of.surgical.procedure..in.minutes. | 0.995 | 0.002 | -3.044 | **0.002** |
| colectomy.mechanical.bowel.prepYes | 2.13 | 0.173 | 4.377 | **0** |
| colectomy.operative.approachMIS unplanned conversion to open | 0.91 | 0.289 | -0.326 | 0.745 |
| colectomy.operative.approachOpen | 0.497 | 0.193 | -3.616 | **0** |

Model (GLM Logistic Regression No Variable Selection)

Response variable ileostomy.formation

Using model\_table.txt

|  |  |  |
| --- | --- | --- |
| Variable | Odds Ratio (95% CI) | p-value |
| (Intercept) | 1.02503771482663e+44 (0,Inf) | 0.9406 |
| age.at.time.of.surgery | 1.03 (1.01,1.04) | **4e-04** |
| genderMale | 0.89 (0.54,1.45) | 0.6377 |
| raceBlack or African American | 0 (0,Inf) | 0.9787 |
| raceNative Hawaiian or Other Pacific Islander | 1.34 (0,Inf) | 0.9999 |
| raceSome Other Race | 0 (0,Inf) | 0.9746 |
| raceUnknown/Not Reported | 0 (0,Inf) | 0.98 |
| raceWhite | 0 (0,Inf) | 0.9779 |
| hispanic.ethnicityYes | 0.54 (0.22,1.37) | 0.1947 |
| cpt.code | 1 (0.98,1.02) | 0.8486 |
| in.out.patient.statusOutpatient | 1110738.2 (0,Inf) | 0.9892 |
| elective.surgeryYes | 0.8 (0.49,1.3) | 0.3625 |
| origin.statusFrom acute care hospital inpatient | 1.87 (0.41,8.66) | 0.4217 |
| origin.statusHome/Permanent residence | 0.77 (0.2,3.01) | 0.7093 |
| origin.statusNot transferred (admitted from home) | 1.38 (0.36,5.3) | 0.636 |
| origin.statusNursing home - Chronic care - Intermediate care | 0 (0,Inf) | 0.9946 |
| origin.statusOther facility | 4373984.75 (0,Inf) | 0.9926 |
| origin.statusOutside emergency department | 0.55 (0.1,2.89) | 0.4773 |
| origin.statusTransfer from other | 0.17 (0.01,5.92) | 0.3304 |
| height | 1.03 (1,1.05) | **0.0236** |
| weight | 0.99 (0.99,0.99) | **0** |
| bmi | 1.06 (1.02,1.1) | **0.0013** |
| diabetes.mellitusNo | 0.04 (0,2.6) | 0.131 |
| diabetes.mellitusNon-Insulin | 0.06 (0,5.47) | 0.2216 |
| current.smoker.within.1.yearYes | 0.8 (0.52,1.22) | 0.2992 |
| dyspneaNo | 1.21 (0.37,3.95) | 0.7538 |
| functional.heath.statusPartially Dependent | 0.18 (0.01,3.07) | 0.2354 |
| functional.heath.statusTotally Dependent | 0 (0,Inf) | 0.9944 |
| history.of.severe.copdYes | 1.5 (0.23,9.66) | 0.6709 |
| hypertension.requiring.medicationYes | 0.99 (0.56,1.75) | 0.9855 |
| disseminated.cancerYes | 0.97 (0.07,14.1) | 0.9822 |
| open.wound.with.or.without.infectionYes | 1.01 (0.4,2.53) | 0.9844 |
| steroid.immunosuppressant.use.for.chronic.conditionYes | 0.62 (0.2,2) | 0.4275 |
| bleeding.disorderYes | 0.45 (0.14,1.49) | 0.1898 |
| sepsis..sirs.sepsis.septic.shock...48h.Sepsis | 1.5 (0.59,3.81) | 0.3927 |
| sepsis..sirs.sepsis.septic.shock...48h.SIRS | 0.59 (0.24,1.43) | 0.2387 |
| serum.sodium | 1.02 (0.94,1.09) | 0.6654 |
| bun | 1 (0.97,1.03) | 0.9381 |
| serum.creatinine | 0.67 (0.29,1.6) | 0.3704 |
| albumin | 1.12 (0.76,1.65) | 0.5685 |
| wbc | 0.96 (0.91,1.02) | 0.2259 |
| hematocrit | 1.02 (0.98,1.06) | 0.3444 |
| platelet.count | 1 (1,1) | 0.1006 |
| emergency.caseYes | 0.29 (0.11,0.72) | **0.0078** |
| wound.classificationClean/Contaminated | 4.79 (0.31,75.02) | 0.2645 |
| wound.classificationContaminated | 2.14 (0.14,33.67) | 0.5875 |
| wound.classificationDirty/Infected | 4.12 (0.26,65.43) | 0.3158 |
| asa.classificationASA 2 - Mild Disturb | 1.56 (0.29,8.35) | 0.601 |
| asa.classificationASA 3 - Severe Disturb | 0.94 (0.18,5.02) | 0.9401 |
| asa.classificationASA 4 - Life Threat | 0.45 (0.05,3.65) | 0.4529 |
| X..of.other.procedures | 0.62 (0.53,0.71) | **0** |
| X..of.concurrent.procedures | 1.31 (1.03,1.67) | **0.025** |
| duration.of.surgical.procedure..in.minutes. | 1 (0.99,1) | **0.0051** |
| colectomy.steroid.immunosuppressant.for.inflammatory.bowelYes | 1.39 (0.42,4.64) | 0.5897 |
| colectomy.mechanical.bowel.prepYes | 1.87 (1.22,2.85) | **0.0039** |
| colectomy.oral.antibiotic.prepYes | 1.32 (0.82,2.11) | 0.2517 |
| colectomy.chemotherapy.w.in.90.daysYes | 4.21 (0.14,128.92) | 0.4104 |
| colectomy.operative.approachMIS, unplanned conversion to open | 0.83 (0.36,1.92) | 0.6683 |
| colectomy.operative.approachOpen | 0.48 (0.21,1.08) | 0.0768 |
| colectomy.number.of.nodes.evaluated | 0.99 (0.94,1.04) | 0.6138 |
| biologic.agent.60.days.prior.to.surgeryNo | 1.79 (0.52,6.22) | 0.3569 |
| biologic.agent.60.days.prior.to.surgeryYes | 1.85 (0.54,6.28) | 0.3256 |
| immune.modulation.60.days.prior.to.surgeryNo | 0 (0,Inf) | 0.9899 |
| immune.modulation.60.days.prior.to.surgeryYes | 0 (0,Inf) | 0.9899 |
| colonic.dysplasiaHigh Grade Dysplasia | 34309.21 (0,Inf) | 0.9908 |
| colonic.dysplasiaLow grade Dysplasia | 0.06 (0,2.52) | 0.142 |
| colonic.dysplasiaNo | 600154.55 (0,Inf) | 0.9956 |
| colonic.dysplasiaNo Dysplasia | 0.17 (0.01,4.19) | 0.2795 |
| colonic.dysplasiaNot applicable | 0.24 (0.01,8.73) | 0.4388 |
| colonic.dysplasiaUnable to determine | 0.24 (0.01,6.46) | 0.3928 |

Summary Table (Using model\_model.csv)

Response variable ileostomy.formation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| term | estimate | std.error | statistic | p.value |
| (Intercept) | 1.02455247578839e+44 | 1361.07 | 0.074 | 0.941 |
| age.at.time.of.surgery | 1.026 | 0.007 | 3.571 | **0** |
| genderMale | 0.889 | 0.251 | -0.471 | 0.638 |
| raceBlack or African American | 0 | 546.169 | -0.027 | 0.979 |
| raceNative Hawaiian or Other Pacific Islander | 1.343 | 2460.918 | 0 | 1 |
| raceSome Other Race | 0 | 546.171 | -0.032 | 0.975 |
| raceUnknown/Not Reported | 0 | 546.17 | -0.025 | 0.98 |
| raceWhite | 0 | 546.169 | -0.028 | 0.978 |
| hispanic.ethnicityYes | 0.543 | 0.471 | -1.297 | 0.195 |
| cpt.code | 0.998 | 0.009 | -0.191 | 0.849 |
| in.out.patient.statusOutpatient | 1111254.372 | 1024.393 | 0.014 | 0.989 |
| elective.surgeryYes | 0.795 | 0.252 | -0.911 | 0.362 |
| origin.statusFrom acute care hospital inpatient | 1.874 | 0.781 | 0.803 | 0.422 |
| origin.statusHome/Permanent residence | 0.772 | 0.695 | -0.373 | 0.709 |
| origin.statusNot transferred (admitted from home) | 1.384 | 0.686 | 0.473 | 0.636 |
| origin.statusNursing home - Chronic care - Intermediate care | 0 | 2399.546 | -0.007 | 0.995 |
| origin.statusOther facility | 4373175.665 | 1645.452 | 0.009 | 0.993 |
| origin.statusOutside emergency department | 0.546 | 0.851 | -0.711 | 0.477 |
| origin.statusTransfer from other | 0.173 | 1.803 | -0.973 | 0.33 |
| height | 1.026 | 0.012 | 2.263 | **0.024** |
| weight | 0.99 | 0.002 | -4.775 | **0** |
| bmi | 1.062 | 0.019 | 3.206 | **0.001** |
| diabetes.mellitusNo | 0.041 | 2.121 | -1.51 | 0.131 |
| diabetes.mellitusNon-Insulin | 0.06 | 2.302 | -1.222 | 0.222 |
| current.smoker.within.1.yearYes | 0.797 | 0.219 | -1.038 | 0.299 |
| dyspneaNo | 1.208 | 0.604 | 0.314 | 0.754 |
| functional.heath.statusPartially Dependent | 0.179 | 1.451 | -1.187 | 0.235 |
| functional.heath.statusTotally Dependent | 0 | 2399.545 | -0.007 | 0.994 |
| history.of.severe.copdYes | 1.498 | 0.951 | 0.425 | 0.671 |
| hypertension.requiring.medicationYes | 0.995 | 0.289 | -0.018 | 0.985 |
| disseminated.cancerYes | 0.97 | 1.366 | -0.022 | 0.982 |
| open.wound.with.or.without.infectionYes | 1.009 | 0.469 | 0.02 | 0.984 |
| steroid.immunosuppressant.use.for.chronic.conditionYes | 0.624 | 0.594 | -0.794 | 0.427 |
| bleeding.disorderYes | 0.449 | 0.611 | -1.311 | 0.19 |
| sepsis..sirs.sepsis.septic.shock...48h.Sepsis | 1.501 | 0.476 | 0.855 | 0.393 |
| sepsis..sirs.sepsis.septic.shock...48h.SIRS | 0.586 | 0.454 | -1.178 | 0.239 |
| serum.sodium | 1.016 | 0.038 | 0.432 | 0.665 |
| bun | 0.999 | 0.017 | -0.078 | 0.938 |
| serum.creatinine | 0.675 | 0.439 | -0.896 | 0.37 |
| albumin | 1.12 | 0.199 | 0.57 | 0.569 |
| wbc | 0.965 | 0.03 | -1.211 | 0.226 |
| hematocrit | 1.02 | 0.021 | 0.945 | 0.344 |
| platelet.count | 0.999 | 0.001 | -1.642 | 0.101 |
| emergency.caseYes | 0.286 | 0.471 | -2.661 | **0.008** |
| wound.classificationClean/Contaminated | 4.787 | 1.404 | 1.116 | 0.265 |
| wound.classificationContaminated | 2.143 | 1.405 | 0.542 | 0.587 |
| wound.classificationDirty/Infected | 4.121 | 1.411 | 1.003 | 0.316 |
| asa.classificationASA 2 - Mild Disturb | 1.564 | 0.855 | 0.523 | 0.601 |
| asa.classificationASA 3 - Severe Disturb | 0.938 | 0.856 | -0.075 | 0.94 |
| asa.classificationASA 4 - Life Threat | 0.448 | 1.071 | -0.751 | 0.453 |
| X..of.other.procedures | 0.616 | 0.072 | -6.693 | **0** |
| X..of.concurrent.procedures | 1.314 | 0.122 | 2.241 | **0.025** |
| duration.of.surgical.procedure..in.minutes. | 0.995 | 0.002 | -2.799 | **0.005** |
| colectomy.steroid.immunosuppressant.for.inflammatory.bowelYes | 1.392 | 0.614 | 0.539 | 0.59 |
| colectomy.mechanical.bowel.prepYes | 1.866 | 0.216 | 2.884 | **0.004** |
| colectomy.oral.antibiotic.prepYes | 1.317 | 0.24 | 1.146 | 0.252 |
| colectomy.chemotherapy.w.in.90.daysYes | 4.208 | 1.746 | 0.823 | 0.41 |
| colectomy.operative.approachMIS unplanned conversion to open | 0.834 | 0.425 | -0.428 | 0.668 |
| colectomy.operative.approachOpen | 0.478 | 0.417 | -1.77 | 0.077 |
| colectomy.number.of.nodes.evaluated | 0.987 | 0.026 | -0.505 | 0.614 |
| biologic.agent.60.days.prior.to.surgeryNo | 1.793 | 0.634 | 0.921 | 0.357 |
| biologic.agent.60.days.prior.to.surgeryYes | 1.848 | 0.624 | 0.983 | 0.326 |
| immune.modulation.60.days.prior.to.surgeryNo | 0 | 1184.724 | -0.013 | 0.99 |
| immune.modulation.60.days.prior.to.surgeryYes | 0 | 1184.724 | -0.013 | 0.99 |
| colonic.dysplasiaHigh Grade Dysplasia | 34303.408 | 908.832 | 0.011 | 0.991 |
| colonic.dysplasiaLow grade Dysplasia | 0.063 | 1.879 | -1.468 | 0.142 |
| colonic.dysplasiaNo | 600189.069 | 2399.545 | 0.006 | 0.996 |
| colonic.dysplasiaNo Dysplasia | 0.171 | 1.631 | -1.082 | 0.279 |
| colonic.dysplasiaNot applicable | 0.243 | 1.828 | -0.774 | 0.439 |
| colonic.dysplasiaUnable to determine | 0.236 | 1.688 | -0.855 | 0.393 |

Step\_Inf Model (Backward Stepwise AIC Logistic Model)

Response variable: inf\_comp

Using step\_inf.txt

|  |  |  |
| --- | --- | --- |
| Variable | Odds Ratio (95% CI) | p-value |
| (Intercept) | 9.76597068078642e+142 (0,Inf) | 0.3075 |
| genderMale | 0.63 (0.45,0.88) | **0.0067** |
| hispanic.ethnicityYes | 1.6 (0.94,2.71) | 0.0834 |
| cpt.code | 0.99 (0.99,1) | **0.009** |
| elective.surgeryYes | 1.59 (1.16,2.18) | **0.0042** |
| height | 1.02 (1,1.04) | **0.015** |
| weight | 1 (1,1) | 0.0981 |
| current.smoker.within.1.yearYes | 0.72 (0.52,1) | **0.0482** |
| dyspneaNo | 1.89 (0.77,4.63) | 0.1613 |
| history.of.severe.copdYes | 4 (1.32,12.15) | **0.0143** |
| steroid.immunosuppressant.use.for.chronic.conditionYes | 2.77 (1.22,6.27) | **0.0146** |
| serum.sodium | 0.94 (0.89,0.99) | **0.0126** |
| serum.creatinine | 1.69 (0.95,2.99) | 0.0722 |
| emergency.caseYes | 5.16 (2.36,11.29) | **0** |
| X..of.other.procedures | 1.09 (0.99,1.21) | 0.0885 |
| colectomy.steroid.immunosuppressant.for.inflammatory.bowelYes | 2.98 (1.27,7.01) | **0.0122** |
| colectomy.oral.antibiotic.prepYes | 0.7 (0.51,0.96) | **0.025** |
| biologic.agent.60.days.prior.to.surgeryNo | 0.81 (0.33,2.01) | 0.6465 |
| biologic.agent.60.days.prior.to.surgeryYes | 0.51 (0.21,1.26) | 0.1475 |
| immune.modulation.60.days.prior.to.surgeryNo | 166273.14 (0,6.09647184928121e+256) | 0.9676 |
| immune.modulation.60.days.prior.to.surgeryYes | 117453.03 (0,4.30664644058021e+256) | 0.9685 |
| ileostomy.formationNone | 0.94 (0.68,1.31) | 0.7276 |

Summary Table (Using step\_inf.csv)

Response Variable: Inf\_Comp

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| term | estimate | std.error | statistic | p.value |
| (Intercept) | 9.76609599249781e+142 | 322.654 | 1.02 | 0.308 |
| genderMale | 0.628 | 0.172 | -2.711 | **0.007** |
| hispanic.ethnicityYes | 1.595 | 0.27 | 1.731 | 0.083 |
| cpt.code | 0.992 | 0.003 | -2.613 | **0.009** |
| elective.surgeryYes | 1.59 | 0.162 | 2.866 | **0.004** |
| height | 1.02 | 0.008 | 2.433 | **0.015** |
| weight | 1.002 | 0.001 | 1.654 | 0.098 |
| current.smoker.within.1.yearYes | 0.717 | 0.168 | -1.976 | **0.048** |
| dyspneaNo | 1.895 | 0.456 | 1.401 | 0.161 |
| history.of.severe.copdYes | 4.003 | 0.566 | 2.45 | **0.014** |
| steroid.immunosuppressant.use.for.chronic.conditionYes | 2.768 | 0.417 | 2.442 | **0.015** |
| serum.sodium | 0.937 | 0.026 | -2.496 | **0.013** |
| serum.creatinine | 1.687 | 0.291 | 1.798 | 0.072 |
| emergency.caseYes | 5.165 | 0.399 | 4.114 | **0** |
| X..of.other.procedures | 1.094 | 0.053 | 1.703 | 0.088 |
| colectomy.steroid.immunosuppressant.for.inflammatory.bowelYes | 2.983 | 0.436 | 2.507 | **0.012** |
| colectomy.oral.antibiotic.prepYes | 0.698 | 0.16 | -2.241 | **0.025** |
| biologic.agent.60.days.prior.to.surgeryNo | 0.808 | 0.465 | -0.459 | 0.646 |
| biologic.agent.60.days.prior.to.surgeryYes | 0.514 | 0.459 | -1.448 | 0.148 |
| immune.modulation.60.days.prior.to.surgeryNo | 166208.782 | 295.54 | 0.041 | 0.968 |
| immune.modulation.60.days.prior.to.surgeryYes | 117477.253 | 295.54 | 0.039 | 0.968 |
| ileostomy.formationNone | 0.944 | 0.167 | -0.348 | 0.728 |

Model\_Inf (GLM Logistic Regression No Variable Selection)

Response Variable: Inf\_Comp

Using model\_inf.txt

|  |  |  |
| --- | --- | --- |
| Variable | Odds Ratio (95% CI) | p-value |
| (Intercept) | 345040553476684 (0,Inf) | 0.9809 |
| age.at.time.of.surgery | 1 (0.99,1.01) | 0.5257 |
| genderMale | 0.68 (0.47,0.98) | **0.037** |
| raceBlack or African American | 1.62 (0.44,5.95) | 0.4702 |
| raceNative Hawaiian or Other Pacific Islander | 0 (0,Inf) | 0.9951 |
| raceSome Other Race | 4.76 (0.37,61.75) | 0.2324 |
| raceUnknown/Not Reported | 0.65 (0.17,2.45) | 0.5208 |
| raceWhite | 1.36 (0.41,4.51) | 0.6188 |
| hispanic.ethnicityYes | 2.57 (1.32,5.03) | **0.0057** |
| cpt.code | 1 (0.99,1.01) | 0.8671 |
| in.out.patient.statusOutpatient | 2.82 (0.42,18.99) | 0.2856 |
| elective.surgeryYes | 1.78 (1.2,2.65) | **0.0042** |
| origin.statusFrom acute care hospital inpatient | 1.08 (0.28,4.2) | 0.912 |
| origin.statusHome/Permanent residence | 1.07 (0.32,3.56) | 0.9121 |
| origin.statusNot transferred (admitted from home) | 1.27 (0.39,4.17) | 0.6895 |
| origin.statusNursing home - Chronic care - Intermediate care | 0 (0,Inf) | 0.9937 |
| origin.statusOther facility | 27564262.79 (0,Inf) | 0.9756 |
| origin.statusOutside emergency department | 2.35 (0.51,10.94) | 0.2752 |
| origin.statusTransfer from other | 5.91 (0.17,200.13) | 0.3225 |
| height | 1.02 (1,1.04) | **0.0379** |
| weight | 1 (1,1) | 0.2977 |
| bmi | 1 (0.97,1.02) | 0.8263 |
| diabetes.mellitusNo | 1.01 (0.22,4.62) | 0.9849 |
| diabetes.mellitusNon-Insulin | 1.65 (0.22,12.19) | 0.624 |
| current.smoker.within.1.yearYes | 0.73 (0.52,1.03) | 0.073 |
| dyspneaNo | 2.03 (0.78,5.31) | 0.1468 |
| functional.heath.statusPartially Dependent | 5.27 (0.13,218.5) | 0.382 |
| functional.heath.statusTotally Dependent | 147825457.93 (0,Inf) | 0.9937 |
| history.of.severe.copdYes | 4.13 (1.22,13.96) | **0.0223** |
| hypertension.requiring.medicationYes | 0.9 (0.6,1.33) | 0.5892 |
| disseminated.cancerYes | 1.28 (0.21,7.66) | 0.7906 |
| open.wound.with.or.without.infectionYes | 0.73 (0.32,1.66) | 0.4496 |
| steroid.immunosuppressant.use.for.chronic.conditionYes | 2.71 (1.15,6.42) | **0.0233** |
| bleeding.disorderYes | 1.77 (0.68,4.61) | 0.2426 |
| sepsis..sirs.sepsis.septic.shock...48h.Sepsis | 0.66 (0.27,1.59) | 0.3493 |
| sepsis..sirs.sepsis.septic.shock...48h.SIRS | 0.59 (0.24,1.43) | 0.2428 |
| serum.sodium | 0.93 (0.88,0.98) | **0.0102** |
| bun | 0.98 (0.96,1.01) | 0.2022 |
| serum.creatinine | 1.86 (0.95,3.63) | 0.0702 |
| albumin | 1.15 (0.84,1.55) | 0.3844 |
| wbc | 1.03 (0.98,1.07) | 0.2969 |
| hematocrit | 0.99 (0.95,1.02) | 0.3535 |
| platelet.count | 1 (1,1) | 0.4578 |
| emergency.caseYes | 5.52 (2.36,12.91) | **1e-04** |
| wound.classificationClean/Contaminated | 0.8 (0.05,14.24) | 0.8817 |
| wound.classificationContaminated | 0.96 (0.05,17.05) | 0.9783 |
| wound.classificationDirty/Infected | 1.07 (0.06,19.04) | 0.9657 |
| asa.classificationASA 2 - Mild Disturb | 0.58 (0.17,2.02) | 0.3938 |
| asa.classificationASA 3 - Severe Disturb | 0.6 (0.17,2.12) | 0.4313 |
| asa.classificationASA 4 - Life Threat | 0.35 (0.06,2.04) | 0.2412 |
| X..of.other.procedures | 1.08 (0.96,1.22) | 0.2067 |
| X..of.concurrent.procedures | 1.05 (0.92,1.2) | 0.4784 |
| duration.of.surgical.procedure..in.minutes. | 1 (1,1) | 0.9224 |
| colectomy.steroid.immunosuppressant.for.inflammatory.bowelYes | 3.29 (1.34,8.09) | **0.0094** |
| colectomy.mechanical.bowel.prepYes | 0.91 (0.66,1.26) | 0.5637 |
| colectomy.oral.antibiotic.prepYes | 0.69 (0.48,1.01) | 0.0564 |
| colectomy.chemotherapy.w.in.90.daysYes | 0.2 (0.01,2.72) | 0.2263 |
| colectomy.operative.approachMIS, unplanned conversion to open | 1.33 (0.73,2.44) | 0.3492 |
| colectomy.operative.approachOpen | 1.36 (0.75,2.47) | 0.3089 |
| colectomy.number.of.nodes.evaluated | 1.01 (0.98,1.04) | 0.5982 |
| ileostomy.formationNone | 1.03 (0.72,1.47) | 0.8694 |
| biologic.agent.60.days.prior.to.surgeryNo | 0.83 (0.33,2.11) | 0.696 |
| biologic.agent.60.days.prior.to.surgeryYes | 0.53 (0.21,1.33) | 0.1753 |
| immune.modulation.60.days.prior.to.surgeryNo | 4117793.64 (0,Inf) | 0.9912 |
| immune.modulation.60.days.prior.to.surgeryYes | 2943133.89 (0,Inf) | 0.9914 |
| colonic.dysplasiaHigh Grade Dysplasia | 3.35 (0.11,99.92) | 0.4858 |
| colonic.dysplasiaLow grade Dysplasia | 0 (0,Inf) | 0.9721 |
| colonic.dysplasiaNo | 21710231.9 (0,Inf) | 0.9944 |
| colonic.dysplasiaNo Dysplasia | 3.31 (0.26,42.03) | 0.356 |
| colonic.dysplasiaNot applicable | 3.36 (0.22,52.54) | 0.3874 |
| colonic.dysplasiaUnable to determine | 2.24 (0.16,30.86) | 0.5461 |

Summary Table (Using model\_inf.csv)

Response Variable: Inf\_Comp

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| term | estimate | std.error | statistic | p.value |
| (Intercept) | 345149923694926 | 1401.74 | 0.024 | 0.981 |
| age.at.time.of.surgery | 1.003 | 0.005 | 0.635 | 0.526 |
| genderMale | 0.678 | 0.186 | -2.086 | **0.037** |
| raceBlack or African American | 1.616 | 0.665 | 0.722 | 0.47 |
| raceNative Hawaiian or Other Pacific Islander | 0 | 2399.545 | -0.006 | 0.995 |
| raceSome Other Race | 4.764 | 1.307 | 1.194 | 0.232 |
| raceUnknown/Not Reported | 0.647 | 0.679 | -0.642 | 0.521 |
| raceWhite | 1.357 | 0.613 | 0.497 | 0.619 |
| hispanic.ethnicityYes | 2.573 | 0.342 | 2.762 | **0.006** |
| cpt.code | 0.999 | 0.006 | -0.167 | 0.867 |
| in.out.patient.statusOutpatient | 2.824 | 0.972 | 1.068 | 0.286 |
| elective.surgeryYes | 1.782 | 0.202 | 2.862 | **0.004** |
| origin.statusFrom acute care hospital inpatient | 1.08 | 0.693 | 0.111 | 0.912 |
| origin.statusHome/Permanent residence | 1.07 | 0.614 | 0.11 | 0.912 |
| origin.statusNot transferred (admitted from home) | 1.274 | 0.605 | 0.4 | 0.69 |
| origin.statusNursing home - Chronic care - Intermediate care | 0 | 2399.546 | -0.008 | 0.994 |
| origin.statusOther facility | 27563417.539 | 559.522 | 0.031 | 0.976 |
| origin.statusOutside emergency department | 2.351 | 0.784 | 1.091 | 0.275 |
| origin.statusTransfer from other | 5.912 | 1.797 | 0.989 | 0.323 |
| height | 1.018 | 0.009 | 2.076 | **0.038** |
| weight | 1.002 | 0.002 | 1.041 | 0.298 |
| bmi | 0.997 | 0.013 | -0.219 | 0.826 |
| diabetes.mellitusNo | 1.015 | 0.774 | 0.019 | 0.985 |
| diabetes.mellitusNon-Insulin | 1.649 | 1.021 | 0.49 | 0.624 |
| current.smoker.within.1.yearYes | 0.728 | 0.177 | -1.793 | 0.073 |
| dyspneaNo | 2.034 | 0.49 | 1.451 | 0.147 |
| functional.heath.statusPartially Dependent | 5.265 | 1.901 | 0.874 | 0.382 |
| functional.heath.statusTotally Dependent | 147893059.559 | 2399.545 | 0.008 | 0.994 |
| history.of.severe.copdYes | 4.133 | 0.621 | 2.285 | **0.022** |
| hypertension.requiring.medicationYes | 0.897 | 0.202 | -0.54 | 0.589 |
| disseminated.cancerYes | 1.275 | 0.915 | 0.266 | 0.791 |
| open.wound.with.or.without.infectionYes | 0.726 | 0.423 | -0.756 | 0.45 |
| steroid.immunosuppressant.use.for.chronic.conditionYes | 2.713 | 0.44 | 2.269 | **0.023** |
| bleeding.disorderYes | 1.77 | 0.489 | 1.169 | 0.243 |
| sepsis..sirs.sepsis.septic.shock...48h.Sepsis | 0.656 | 0.451 | -0.936 | 0.349 |
| sepsis..sirs.sepsis.septic.shock...48h.SIRS | 0.588 | 0.455 | -1.168 | 0.243 |
| serum.sodium | 0.931 | 0.028 | -2.571 | **0.01** |
| bun | 0.983 | 0.013 | -1.275 | 0.202 |
| serum.creatinine | 1.859 | 0.342 | 1.81 | 0.07 |
| albumin | 1.146 | 0.156 | 0.87 | 0.384 |
| wbc | 1.025 | 0.024 | 1.043 | 0.297 |
| hematocrit | 0.985 | 0.016 | -0.928 | 0.354 |
| platelet.count | 0.999 | 0.001 | -0.742 | 0.458 |
| emergency.caseYes | 5.518 | 0.433 | 3.941 | **0** |
| wound.classificationClean/Contaminated | 0.804 | 1.466 | -0.149 | 0.882 |
| wound.classificationContaminated | 0.961 | 1.467 | -0.027 | 0.978 |
| wound.classificationDirty/Infected | 1.065 | 1.471 | 0.043 | 0.966 |
| asa.classificationASA 2 - Mild Disturb | 0.582 | 0.635 | -0.853 | 0.394 |
| asa.classificationASA 3 - Severe Disturb | 0.604 | 0.64 | -0.787 | 0.431 |
| asa.classificationASA 4 - Life Threat | 0.345 | 0.907 | -1.172 | 0.241 |
| X..of.other.procedures | 1.08 | 0.061 | 1.263 | 0.207 |
| X..of.concurrent.procedures | 1.049 | 0.067 | 0.709 | 0.478 |
| duration.of.surgical.procedure..in.minutes. | 1 | 0.001 | -0.097 | 0.922 |
| colectomy.steroid.immunosuppressant.for.inflammatory.bowelYes | 3.294 | 0.459 | 2.597 | **0.009** |
| colectomy.mechanical.bowel.prepYes | 0.909 | 0.165 | -0.577 | 0.564 |
| colectomy.oral.antibiotic.prepYes | 0.694 | 0.192 | -1.908 | 0.056 |
| colectomy.chemotherapy.w.in.90.daysYes | 0.199 | 1.336 | -1.21 | 0.226 |
| colectomy.operative.approachMIS unplanned conversion to open | 1.334 | 0.308 | 0.936 | 0.349 |
| colectomy.operative.approachOpen | 1.362 | 0.304 | 1.018 | 0.309 |
| colectomy.number.of.nodes.evaluated | 1.009 | 0.017 | 0.527 | 0.598 |
| ileostomy.formationNone | 1.03 | 0.182 | 0.164 | 0.869 |
| biologic.agent.60.days.prior.to.surgeryNo | 0.83 | 0.476 | -0.391 | 0.696 |
| biologic.agent.60.days.prior.to.surgeryYes | 0.529 | 0.469 | -1.355 | 0.175 |
| immune.modulation.60.days.prior.to.surgeryNo | 4118501.741 | 1374.186 | 0.011 | 0.991 |
| immune.modulation.60.days.prior.to.surgeryYes | 2943176.505 | 1374.186 | 0.011 | 0.991 |
| colonic.dysplasiaHigh Grade Dysplasia | 3.347 | 1.733 | 0.697 | 0.486 |
| colonic.dysplasiaLow grade Dysplasia | 0 | 791.283 | -0.035 | 0.972 |
| colonic.dysplasiaNo | 21703845.179 | 2399.545 | 0.007 | 0.994 |
| colonic.dysplasiaNo Dysplasia | 3.31 | 1.297 | 0.923 | 0.356 |
| colonic.dysplasiaNot applicable | 3.36 | 1.403 | 0.864 | 0.387 |
| colonic.dysplasiaUnable to determine | 2.241 | 1.338 | 0.604 | 0.546 |

Any\_Comp (Backward Stepwise AIC Logistic Model)

Response Variable: Any\_Comp

Using step\_any.txt

|  |  |  |
| --- | --- | --- |
| Variable | Odds Ratio (95% CI) | p-value |
| (Intercept) | 2.52126807677328e+206 (0,Inf) | 0.1493 |
| genderMale | 1.05 (0.77,1.43) | 0.7469 |
| hispanic.ethnicityYes | 1.31 (0.78,2.19) | 0.3063 |
| cpt.code | 0.99 (0.98,0.99) | **1e-04** |
| elective.surgeryYes | 1.19 (0.89,1.57) | 0.2359 |
| height | 1 (0.98,1.01) | 0.6092 |
| weight | 1 (1,1) | 0.2886 |
| current.smoker.within.1.yearYes | 0.75 (0.56,1) | **0.0495** |
| dyspneaNo | 0.89 (0.39,2.05) | 0.7907 |
| history.of.severe.copdYes | 2.85 (0.77,10.53) | 0.1169 |
| steroid.immunosuppressant.use.for.chronic.conditionYes | 2.15 (1.1,4.21) | **0.0261** |
| serum.sodium | 0.93 (0.88,0.97) | **0.0015** |
| serum.creatinine | 1.63 (0.92,2.9) | 0.0934 |
| emergency.caseYes | 1.76 (0.79,3.92) | 0.1665 |
| X..of.other.procedures | 1.1 (1,1.22) | 0.061 |
| colectomy.steroid.immunosuppressant.for.inflammatory.bowelYes | 1.04 (0.52,2.09) | 0.9032 |
| colectomy.oral.antibiotic.prepYes | 0.89 (0.67,1.2) | 0.4568 |
| biologic.agent.60.days.prior.to.surgeryNo | 0.38 (0.13,1.08) | 0.0685 |
| biologic.agent.60.days.prior.to.surgeryYes | 0.39 (0.14,1.11) | 0.0768 |
| immune.modulation.60.days.prior.to.surgeryNo | 1166760.1 (0,7.03339692471273e+266) | 0.9636 |
| immune.modulation.60.days.prior.to.surgeryYes | 845354.55 (0,5.09610372258452e+266) | 0.9645 |
| ileostomy.formationNone | 0.61 (0.44,0.85) | **0.003** |

Summary Table (Using step\_any.csv)

Response Variable: Any\_Comp

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| term | estimate | std.error | statistic | p.value |
| (Intercept) | 2.52053414969452e+206 | 329.585 | 1.442 | 0.149 |
| genderMale | 1.052 | 0.157 | 0.323 | 0.747 |
| hispanic.ethnicityYes | 1.309 | 0.263 | 1.023 | 0.306 |
| cpt.code | 0.989 | 0.003 | -3.928 | **0** |
| elective.surgeryYes | 1.185 | 0.144 | 1.185 | 0.236 |
| height | 0.996 | 0.007 | -0.511 | 0.609 |
| weight | 1.001 | 0.001 | 1.061 | 0.289 |
| current.smoker.within.1.yearYes | 0.751 | 0.146 | -1.965 | **0.049** |
| dyspneaNo | 0.893 | 0.424 | -0.265 | 0.791 |
| history.of.severe.copdYes | 2.846 | 0.667 | 1.568 | 0.117 |
| steroid.immunosuppressant.use.for.chronic.conditionYes | 2.147 | 0.343 | 2.225 | **0.026** |
| serum.sodium | 0.926 | 0.024 | -3.168 | **0.002** |
| serum.creatinine | 1.632 | 0.292 | 1.678 | 0.093 |
| emergency.caseYes | 1.761 | 0.409 | 1.383 | 0.167 |
| X..of.other.procedures | 1.103 | 0.052 | 1.873 | 0.061 |
| colectomy.steroid.immunosuppressant.for.inflammatory.bowelYes | 1.044 | 0.355 | 0.122 | 0.903 |
| colectomy.oral.antibiotic.prepYes | 0.895 | 0.15 | -0.744 | 0.457 |
| biologic.agent.60.days.prior.to.surgeryNo | 0.38 | 0.531 | -1.822 | 0.069 |
| biologic.agent.60.days.prior.to.surgeryYes | 0.394 | 0.527 | -1.77 | 0.077 |
| immune.modulation.60.days.prior.to.surgeryNo | 1167061.956 | 306.367 | 0.046 | 0.964 |
| immune.modulation.60.days.prior.to.surgeryYes | 845767.688 | 306.367 | 0.045 | 0.964 |
| ileostomy.formationNone | 0.614 | 0.165 | -2.963 | **0.003** |

Any\_Comp (GLM Logistic Regression No Variable Selection)

Response Variable: Any\_Comp

Using model\_any.txt

|  |  |  |
| --- | --- | --- |
| Variable | Odds Ratio (95% CI) | p-value |
| (Intercept) | 5.77113481409117e+196 (0,Inf) | 0.9437 |
| age.at.time.of.surgery | 1.01 (1,1.02) | 0.2005 |
| genderMale | 1.14 (0.78,1.67) | 0.4886 |
| raceBlack or African American | 1.29 (0.34,4.94) | 0.7063 |
| raceNative Hawaiian or Other Pacific Islander | 0 (0,Inf) | 0.9986 |
| raceSome Other Race | 29.08 (0,Inf) | 0.9994 |
| raceUnknown/Not Reported | 0.75 (0.2,2.9) | 0.6815 |
| raceWhite | 1.5 (0.44,5.14) | 0.5214 |
| hispanic.ethnicityYes | 2.34 (1.16,4.7) | **0.0171** |
| cpt.code | 0.99 (0.98,1) | 0.0972 |
| in.out.patient.statusOutpatient | 0 (0,Inf) | 0.979 |
| elective.surgeryYes | 1.38 (0.93,2.07) | 0.1126 |
| origin.statusFrom acute care hospital inpatient | 0 (0,Inf) | 0.9935 |
| origin.statusHome/Permanent residence | 27449.64 (0,Inf) | 0.9968 |
| origin.statusNot transferred (admitted from home) | 0 (0,Inf) | 0.9937 |
| origin.statusNursing home - Chronic care - Intermediate care | 0 (0,Inf) | 0.9986 |
| origin.statusOther facility | 2.17 (0,Inf) | 0.9999 |
| origin.statusOutside emergency department | 0 (0,Inf) | 0.994 |
| origin.statusTransfer from other | 0 (0,Inf) | 0.9939 |
| height | 0.99 (0.98,1.01) | 0.5428 |
| weight | 1 (1,1) | 0.3389 |
| bmi | 0.99 (0.96,1.02) | 0.6107 |
| diabetes.mellitusNo | 0.39 (0.08,2) | 0.2605 |
| diabetes.mellitusNon-Insulin | 1.31 (0.15,11.53) | 0.8095 |
| current.smoker.within.1.yearYes | 0.79 (0.56,1.1) | 0.1631 |
| dyspneaNo | 0.82 (0.32,2.11) | 0.6825 |
| functional.heath.statusPartially Dependent | 851448285.56 (0,Inf) | 0.9965 |
| functional.heath.statusTotally Dependent | 419589859.2 (0,Inf) | 0.9985 |
| history.of.severe.copdYes | 1.71 (0.4,7.2) | 0.4661 |
| hypertension.requiring.medicationYes | 0.95 (0.63,1.45) | 0.821 |
| disseminated.cancerYes | 1.59 (0.2,12.8) | 0.6643 |
| open.wound.with.or.without.infectionYes | 0.4 (0.18,0.88) | **0.0223** |
| steroid.immunosuppressant.use.for.chronic.conditionYes | 1.8 (0.86,3.76) | 0.1198 |
| bleeding.disorderYes | 1.82 (0.62,5.35) | 0.2793 |
| sepsis..sirs.sepsis.septic.shock...48h.Sepsis | 1.21 (0.46,3.18) | 0.7044 |
| sepsis..sirs.sepsis.septic.shock...48h.SIRS | 0.91 (0.4,2.1) | 0.831 |
| serum.sodium | 0.92 (0.87,0.97) | **0.0021** |
| bun | 0.99 (0.96,1.02) | 0.5399 |
| serum.creatinine | 1.41 (0.7,2.84) | 0.3376 |
| albumin | 1.17 (0.85,1.61) | 0.3321 |
| wbc | 0.99 (0.94,1.04) | 0.6405 |
| hematocrit | 0.98 (0.95,1.02) | 0.3803 |
| platelet.count | 1 (1,1) | 0.906 |
| emergency.caseYes | 3.55 (1.48,8.49) | **0.0045** |
| wound.classificationClean/Contaminated | 1.52 (0.09,25.3) | 0.7719 |
| wound.classificationContaminated | 2 (0.12,33.46) | 0.631 |
| wound.classificationDirty/Infected | 1.98 (0.12,33.51) | 0.6362 |
| asa.classificationASA 2 - Mild Disturb | 0.36 (0.07,1.75) | 0.2068 |
| asa.classificationASA 3 - Severe Disturb | 0.46 (0.09,2.27) | 0.3433 |
| asa.classificationASA 4 - Life Threat | 0.67 (0.07,6.1) | 0.7242 |
| X..of.other.procedures | 1.04 (0.91,1.19) | 0.6033 |
| X..of.concurrent.procedures | 1.26 (1,1.58) | 0.0527 |
| duration.of.surgical.procedure..in.minutes. | 1 (1,1.01) | 0.136 |
| colectomy.steroid.immunosuppressant.for.inflammatory.bowelYes | 1.79 (0.83,3.88) | 0.1397 |
| colectomy.mechanical.bowel.prepYes | 1.17 (0.83,1.65) | 0.371 |
| colectomy.oral.antibiotic.prepYes | 0.75 (0.51,1.12) | 0.163 |
| colectomy.chemotherapy.w.in.90.daysYes | 0 (0,Inf) | 0.9805 |
| colectomy.operative.approachMIS unplanned conversion to open | 1.11 (0.62,1.99) | 0.7331 |
| colectomy.operative.approachOpen | 1.09 (0.61,1.97) | 0.7663 |
| colectomy.number.of.nodes.evaluated | 1.01 (0.97,1.05) | 0.6118 |
| ileostomy.formationNone | 0.76 (0.51,1.12) | 0.1677 |
| biologic.agent.60.days.prior.to.surgeryNo | 0.34 (0.11,1.04) | 0.0586 |
| biologic.agent.60.days.prior.to.surgeryYes | 0.28 (0.09,0.85) | **0.0243** |
| immune.modulation.60.days.prior.to.surgeryNo | 288339864.37 (0,Inf) | 0.9974 |
| immune.modulation.60.days.prior.to.surgeryYes | 249875968.95 (0,Inf) | 0.9974 |
| colonic.dysplasiaHigh Grade Dysplasia | 2.88 (0.06,139.18) | 0.5928 |
| colonic.dysplasiaLow grade Dysplasia | 4.89 (0.13,182.64) | 0.3903 |
| colonic.dysplasiaNo | 529125136.76 (0,Inf) | 0.9985 |
| colonic.dysplasiaNo Dysplasia | 4.8 (0.2,116.18) | 0.3342 |
| colonic.dysplasiaNot applicable | 15.36 (0.5,467.4) | 0.117 |
| colonic.dysplasiaUnable to determine | 4.03 (0.16,102.81) | 0.3991 |

Summary Table (Using model\_any.csv)

Response Variable: Any\_Comp

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| term | estimate | std.error | statistic | p.value |
| (Intercept) | 5.77374994459723e+196 | 6420.562 | 0.071 | 0.944 |
| age.at.time.of.surgery | 1.007 | 0.005 | 1.28 | 0.2 |
| genderMale | 1.142 | 0.193 | 0.693 | 0.489 |
| raceBlack or African American | 1.294 | 0.684 | 0.377 | 0.706 |
| raceNative Hawaiian or Other Pacific Islander | 0 | 10754.013 | -0.002 | 0.999 |
| raceSome Other Race | 29.079 | 4728.615 | 0.001 | 0.999 |
| raceUnknown/Not Reported | 0.754 | 0.688 | -0.41 | 0.682 |
| raceWhite | 1.496 | 0.629 | 0.641 | 0.521 |
| hispanic.ethnicityYes | 2.337 | 0.356 | 2.385 | **0.017** |
| cpt.code | 0.99 | 0.006 | -1.658 | 0.097 |
| in.out.patient.statusOutpatient | 0 | 553.278 | -0.026 | 0.979 |
| elective.surgeryYes | 1.385 | 0.205 | 1.587 | 0.113 |
| origin.statusFrom acute care hospital inpatient | 0 | 2475.335 | -0.008 | 0.993 |
| origin.statusHome/Permanent residence | 27446.666 | 2568.215 | 0.004 | 0.997 |
| origin.statusNot transferred (admitted from home) | 0 | 2475.335 | -0.008 | 0.994 |
| origin.statusNursing home - Chronic care - Intermediate care | 0 | 11978.582 | -0.002 | 0.999 |
| origin.statusOther facility | 2.168 | 7681.391 | 0 | 1 |
| origin.statusOutside emergency department | 0 | 2475.335 | -0.008 | 0.994 |
| origin.statusTransfer from other | 0 | 2475.336 | -0.008 | 0.994 |
| height | 0.995 | 0.009 | -0.609 | 0.543 |
| weight | 1.002 | 0.002 | 0.956 | 0.339 |
| bmi | 0.993 | 0.015 | -0.509 | 0.611 |
| diabetes.mellitusNo | 0.394 | 0.828 | -1.125 | 0.26 |
| diabetes.mellitusNon-Insulin | 1.307 | 1.111 | 0.241 | 0.81 |
| current.smoker.within.1.yearYes | 0.785 | 0.174 | -1.395 | 0.163 |
| dyspneaNo | 0.822 | 0.48 | -0.409 | 0.682 |
| functional.heath.statusPartially Dependent | 851065796.3 | 4659.437 | 0.004 | 0.996 |
| functional.heath.statusTotally Dependent | 419678709.871 | 10754.013 | 0.002 | 0.999 |
| history.of.severe.copdYes | 1.707 | 0.734 | 0.729 | 0.466 |
| hypertension.requiring.medicationYes | 0.953 | 0.213 | -0.226 | 0.821 |
| disseminated.cancerYes | 1.587 | 1.065 | 0.434 | 0.664 |
| open.wound.with.or.without.infectionYes | 0.398 | 0.403 | -2.286 | **0.022** |
| steroid.immunosuppressant.use.for.chronic.conditionYes | 1.797 | 0.377 | 1.556 | 0.12 |
| bleeding.disorderYes | 1.815 | 0.551 | 1.082 | 0.279 |
| sepsis..sirs.sepsis.septic.shock...48h.Sepsis | 1.207 | 0.495 | 0.379 | 0.704 |
| sepsis..sirs.sepsis.septic.shock...48h.SIRS | 0.913 | 0.425 | -0.213 | 0.831 |
| serum.sodium | 0.916 | 0.029 | -3.081 | **0.002** |
| bun | 0.991 | 0.014 | -0.613 | 0.54 |
| serum.creatinine | 1.409 | 0.358 | 0.959 | 0.338 |
| albumin | 1.171 | 0.163 | 0.97 | 0.332 |
| wbc | 0.988 | 0.026 | -0.467 | 0.64 |
| hematocrit | 0.985 | 0.017 | -0.877 | 0.38 |
| platelet.count | 1 | 0.001 | -0.118 | 0.906 |
| emergency.caseYes | 3.547 | 0.446 | 2.84 | **0.005** |
| wound.classificationClean/Contaminated | 1.516 | 1.436 | 0.29 | 0.772 |
| wound.classificationContaminated | 1.996 | 1.439 | 0.48 | 0.631 |
| wound.classificationDirty/Infected | 1.98 | 1.443 | 0.473 | 0.636 |
| asa.classificationASA 2 - Mild Disturb | 0.361 | 0.806 | -1.263 | 0.207 |
| asa.classificationASA 3 - Severe Disturb | 0.464 | 0.811 | -0.948 | 0.343 |
| asa.classificationASA 4 - Life Threat | 0.672 | 1.125 | -0.353 | 0.724 |
| X..of.other.procedures | 1.037 | 0.069 | 0.52 | 0.603 |
| X..of.concurrent.procedures | 1.256 | 0.118 | 1.937 | 0.053 |
| duration.of.surgical.procedure..in.minutes. | 1.002 | 0.001 | 1.491 | 0.136 |
| colectomy.steroid.immunosuppressant.for.inflammatory.bowelYes | 1.791 | 0.394 | 1.477 | 0.14 |
| colectomy.mechanical.bowel.prepYes | 1.17 | 0.176 | 0.895 | 0.371 |
| colectomy.oral.antibiotic.prepYes | 0.753 | 0.203 | -1.395 | 0.163 |
| colectomy.chemotherapy.w.in.90.daysYes | 0 | 653.802 | -0.024 | 0.98 |
| colectomy.operative.approachMIS unplanned conversion to open | 1.107 | 0.3 | 0.341 | 0.733 |
| colectomy.operative.approachOpen | 1.093 | 0.3 | 0.297 | 0.766 |
| colectomy.number.of.nodes.evaluated | 1.009 | 0.018 | 0.508 | 0.612 |
| ileostomy.formationNone | 0.76 | 0.199 | -1.38 | 0.168 |
| biologic.agent.60.days.prior.to.surgeryNo | 0.342 | 0.567 | -1.891 | 0.059 |
| biologic.agent.60.days.prior.to.surgeryYes | 0.281 | 0.563 | -2.252 | **0.024** |
| immune.modulation.60.days.prior.to.surgeryNo | 288440677.831 | 5918.245 | 0.003 | 0.997 |
| immune.modulation.60.days.prior.to.surgeryYes | 249757248.976 | 5918.245 | 0.003 | 0.997 |
| colonic.dysplasiaHigh Grade Dysplasia | 2.881 | 1.978 | 0.535 | 0.593 |
| colonic.dysplasiaLow grade Dysplasia | 4.889 | 1.847 | 0.859 | 0.39 |
| colonic.dysplasiaNo | 529265100.787 | 10754.013 | 0.002 | 0.999 |
| colonic.dysplasiaNo Dysplasia | 4.802 | 1.625 | 0.966 | 0.334 |
| colonic.dysplasiaNot applicable | 15.364 | 1.743 | 1.568 | 0.117 |
| colonic.dysplasiaUnable to determine | 4.031 | 1.653 | 0.843 | 0.399 |