**Supplemental Table S2:** Multivariable regression analysis results for the development of Acute Kidney injury (AKI) among patients with severe COVID-19 infection admitted to the ICU during their hospital stay.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **~~Odds Ratio~~** | **~~p-value~~** | **~~95% CI~~** |
| ~~Age (years)~~ | ~~1.04~~ | **~~0.014~~** | ~~1.01-1.07~~ |
| ~~Sex (male)~~ | ~~3.97~~ | **~~0.001~~** | ~~1.80-8.78~~ |
| ~~Race (Ref.: White Non-Hispanic)~~ |  |  |  |
| ~~Hispanic or Latino~~ | ~~1.50~~ | ~~0.377~~ | ~~0.61-3.71~~ |
| ~~Black or African-American~~ | ~~3.79~~ | ~~0.131~~ | ~~0.67-21.36~~ |
| ~~Other~~ | ~~1.10~~ | ~~0.872~~ | ~~0.35-3.45~~ |
| ~~BMI (kg/m~~~~2~~~~)~~ | ~~1.11~~ | **~~0.001~~** | ~~1.04-1.18~~ |
| ~~Hypertension~~ | ~~0.96~~ | ~~0.925~~ | ~~0.42-2.20~~ |
| ~~COPD~~ | ~~1.59~~ | ~~0.6~~ | ~~0.28-9.03~~ |
| ~~CKD~~ | ~~7.16~~ | ~~0.073~~ | ~~0.83-61.43~~ |
| ~~CHF~~ | ~~1.00~~ |  |  |
| ~~Admission CK (U/L)~~ | ~~1.00~~ | ~~0.332~~ | ~~0.99-1.00~~ |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Odds Ratio** | **p-value** | **95% CI** |
| Age (years) | 1.03 | **0.047** | 1.01-1.06 |
| Sex (male) | 4.42 | **<0.001** | 2.00-9.74 |
| Race (Ref.: White Non-Hispanic) |  |  |  |
| Hispanic or Latino | 1.47 | 0.394 | 0.61-3.58 |
| Black or African-American | 3.44 | 0.158 | 0.62-19.04 |
| Other | 0.92 | 0.88 | 0.30-2.83 |
| BMI (kg/m2) | 1.08 | **0.006** | 1.02-1.15 |
| Hypertension | 1.13 | 0.767 | 0.50-2.59 |
| CKD | 6.46 | 0.091 | 0.74-56.12 |
| CHF | 1.00 |  |  |
| Loss of taste/smell | 0.56 | 0.322 | 0.18-1.76 |
| Admission CK (U/L) | 1.00 | 0.321 | 0.99-1.00 |

Abbreviations – CI: Confidence Intervals; Ref.: Reference; BMI: Body Mass Index; COPD: Chronic Obstructive Pulmonary Disease; CKD; Chronic Kidney Disease; CHF: Congestive Heart Failure; CK: Creatine Kinase.