Supplemental Table 4. Unadjusted and adjusted hazard ratios showing associations between demographic and clinical characteristics with COVID-19 hospitalization in NIU patients

| Variable                                 | Unadjusted HR (95% CI) | P-value* | Adjusted HR (95% CI) | P-value  |
|------------------------------------------|------------------------|----------|----------------------|----------|
| **Demographics**                         |                        |          |                      |          |
| Age (years)                              | 1.049 (1.042, 1.056)   | < 0.001  | 1.031 (1.022, 1.041) | < 0.001  |
| Male vs. Female                          | 1.11 (0.946, 1.303)    | 0.20     | 1.172 (0.992, 1.386) | 0.06     |
| Asian vs. White                          | 0.776 (0.454, 1.329)   | 0.36     | 1.002 (0.581, 1.728) | 0.99     |
| Black vs. White                          | 2.048 (1.691, 2.481)   | < 0.001  | 1.537 (1.253, 1.884) | < 0.001  |
| Hispanic vs. White                       | 1.689 (1.308, 2.181)   | < 0.001  | 1.604 (1.234, 2.085) | < 0.001  |
| Midwest vs. South                        | 1.01 (0.832, 1.226)    | 0.92     | 1.397 (1.14, 1.712)  | 0.001    |
| Northeast vs. South                      | 1.153 (0.927, 1.434)   | 0.20     | 1.282 (1.024, 1.604) | 0.03     |
| West vs. South                           | 0.562 (0.409, 0.774)   | < 0.001  | 1.002 (0.721, 1.391) | 0.99     |
| Medicare Advantage vs. Commercial        | 4.131 (3.292, 5.184)   | < 0.001  | 1.08 (0.81, 1.44)    | 0.60     |
| Unknown/Missing vs. Probable homeowner   | 1.301 (1.094, 1.547)   | 0.003    | 1.37 (1.124, 1.67)   | 0.002    |
| Probable renter vs. Probable homeowner   | 1.13 (0.825, 1.549)    | 0.45     | 1.203 (0.874, 1.656) | 0.26     |
| **NIU disease severity (surrogate)**     |                        |          |                      |          |
| Local corticosteroid treatment           | 1.187 (0.997, 1.413)   | 0.05     | 1.037 (0.87, 1.236)  | 0.68     |
| **Comorbidities**                        |                        |          |                      |          |
| Unknown smoking status vs. Never smoker  | 1.091 (0.78, 1.526)    | 0.61     | 0.821 (0.583, 1.156) | 0.26     |
| Current/former smoker vs. Never smoker   | 2.21 (1.571, 3.11)     | < 0.001  | 1.129 (0.794, 1.606) | 0.50     |
| Asthma                                   | 1.386 (1.089, 1.764)   | 0.008    | 0.942 (0.732, 1.212) | 0.64     |
| Autoimmune disease                       | 1.297 (1.081, 1.556)   | 0.005    | 0.957 (0.784, 1.168) | 0.67     |
| Cancer                                   | 1.849 (1.496, 2.287)   | < 0.001  | 1.116 (0.899, 1.387) | 0.32     |
| Cardiovascular disease                   | 3.554 (3.033, 4.165)   | < 0.001  | 1.461 (1.22, 1.748)  | < 0.001  |
| Cerebrovascular disease                  | 2.793 (2.315, 3.369)   | < 0.001  | 1.225 (1.002, 1.498) | 0.05     |
| Chronic kidney disease                   | 3.562 (3.029, 4.189)   | < 0.001  | 1.435 (1.2, 1.716)   | < 0.001  |
| Chronic lung disease                     | 2.693 (2.266, 3.199)   | < 0.001  | 1.271 (1.05, 1.54)   | 0.01     |
| Diabetes                                 | 3.764 (3.206, 4.42)    | < 0.001  | 2.07 (1.735, 2.471)  | < 0.001  |
| Hemoglobin disorder                      | 1.939 (0.803, 4.683)   | 0.14     | 1.437 (0.594, 3.476) | 0.42     |
| HIV/AIDS                                 | 1.681 (0.628, 4.497)   | 0.30     | 1.402 (0.521, 3.77)  | 0.50     |
| Hypertension                             | 4.4 (3.499, 5.532)     | < 0.001  | 1.274 (0.979, 1.658) | 0.07     |
| Liver disease                            | 2.278 (0.852, 6.087)   | 0.10     | 1.038 (0.387, 2.786) | 0.94     |
| Neurologic disease                       | 3.341 (2.725, 4.098)   | < 0.001  | 1.683 (1.353, 2.093) | < 0.001  |
| Condition                  | Hazard Ratio (95% CI) | P-value  | Hazard Ratio (95% CI) | P-value |
|----------------------------|------------------------|----------|------------------------|---------|
| Obesity                    | 1.919 (1.61, 2.287)    | <0.001   | 1.379 (1.146, 1.659)   | <0.001  |
| Solid organ transplant     | 2.155 (1.268, 3.661)   | 0.005    | 1.168 (0.671, 2.032)   | 0.58    |
| Pregnancy                  | 0.416 (0.104, 1.662)   | 0.21     | 1.605 (0.396, 6.507)   | 0.51    |

NIU = non-infectious uveitis; HIV/AIDS = human immunodeficiency virus or acquired immunodeficiency syndrome.

a P-values calculated from Cox proportional hazards models.