Table S3: Multivariable Model without Interaction Terms for Obesity

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Major Complication** | | | | **Infection** | | | | **Revision** | | | | **Readmission** | | | |
|  | **OR** | **95%CI** | | **p-value** | **OR** | **95%CI** | | **p-value** | **OR** | **95%CI** | | **p-value** | **OR** | **95%CI** | | **p-value** |
| Obese | 1.53 | 1.46 | 1.61 | <.0001 | 1.74 | 1.63 | 1.85 | <.0001 | 1.34 | 1.26 | 1.42 | <.0001 | 1.19 | 1.15 | 1.23 | <.0001 |
| Age ≥65 | 1.42 | 1.34 | 1.50 | <.0001 | 0.86 | 0.80 | 0.92 | <.0001 | 0.88 | 0.83 | 0.94 | <.0001 | 1.06 | 1.03 | 1.10 | 0.0003 |
| ALIF | 1.77 | 1.68 | 1.85 | <.0001 | 0.93 | 0.87 | 0.99 | 0.0277 | 1.34 | 1.27 | 1.41 | <.0001 | 1.18 | 1.14 | 1.22 | <.0001 |
| TLIF or PLIF | 1.16 | 1.11 | 1.22 | <.0001 | 1.04 | 0.99 | 1.10 | 0.1496 | 0.83 | 0.79 | 0.87 | <.0001 | 0.95 | 0.92 | 0.97 | <.0001 |
| >2 Levels Fused | 1.71 | 1.63 | 1.79 | <.0001 | 1.83 | 1.73 | 1.94 | <.0001 | 1.59 | 1.51 | 1.68 | <.0001 | 1.40 | 1.36 | 1.45 | <.0001 |
| Cerebrovascular Disease | 15.66 | 14.50 | 16.92 | <.0001 | 1.02 | 0.85 | 1.24 | 0.806 | 0.95 | 0.79 | 1.14 | 0.5528 | 1.24 | 1.14 | 1.36 | <.0001 |
| Chronic Pulmonary Disease | 1.59 | 1.52 | 1.67 | <.0001 | 1.20 | 1.13 | 1.28 | <.0001 | 1.13 | 1.07 | 1.20 | <.0001 | 1.24 | 1.20 | 1.28 | <.0001 |
| Congestive Heart Failure | 2.79 | 2.57 | 3.04 | <.0001 | 1.40 | 1.23 | 1.60 | <.0001 | 1.27 | 1.11 | 1.44 | 0.0003 | 1.68 | 1.57 | 1.79 | <.0001 |
| Dementia | 0.84 | 0.58 | 1.23 | 0.3754 | 1.80 | 1.19 | 2.72 | 0.0051 | 1.11 | 0.70 | 1.76 | 0.6687 | 1.55 | 1.24 | 1.94 | 0.0001 |
| Diabetes Without Chronic Complications | 1.03 | 0.98 | 1.09 | 0.2035 | 1.56 | 1.47 | 1.65 | <.0001 | 1.30 | 1.23 | 1.38 | <.0001 | 1.28 | 1.24 | 1.32 | <.0001 |
| Diabetes With Chronic Complications | 1.11 | 0.97 | 1.27 | 0.1181 | 1.87 | 1.61 | 2.17 | <.0001 | 1.43 | 1.23 | 1.67 | <.0001 | 1.55 | 1.43 | 1.69 | <.0001 |
| Hemiplegia or Paraplegia | 1.73 | 1.52 | 1.96 | <.0001 | 1.60 | 1.35 | 1.88 | <.0001 | 1.36 | 1.16 | 1.59 | 0.0002 | 1.40 | 1.28 | 1.54 | <.0001 |
| Mild Liver Disease | 1.66 | 1.45 | 1.90 | <.0001 | 1.48 | 1.24 | 1.77 | <.0001 | 1.35 | 1.15 | 1.59 | 0.0003 | 1.38 | 1.26 | 1.52 | <.0001 |
| Myocardial Infarction | 2.78 | 2.59 | 2.99 | <.0001 | 1.11 | 0.99 | 1.26 | 0.0836 | 1.03 | 0.92 | 1.16 | 0.5822 | 1.31 | 1.23 | 1.38 | <.0001 |
| Peptic Ulcer Disease | 1.68 | 1.38 | 2.05 | <.0001 | 1.25 | 0.94 | 1.65 | 0.1246 | 1.26 | 0.98 | 1.61 | 0.0721 | 1.30 | 1.13 | 1.49 | 0.0002 |
| Peripheral Vascular Disease | 1.40 | 1.28 | 1.54 | <.0001 | 1.15 | 1.00 | 1.32 | 0.0502 | 1.17 | 1.03 | 1.32 | 0.0173 | 1.19 | 1.11 | 1.27 | <.0001 |
| Renal Disease | 1.52 | 1.38 | 1.66 | <.0001 | 1.22 | 1.07 | 1.39 | 0.0022 | 1.18 | 1.05 | 1.33 | 0.0064 | 1.43 | 1.34 | 1.53 | <.0001 |
| Rheumatic Disease | 1.02 | 0.92 | 1.13 | 0.7219 | 1.58 | 1.42 | 1.76 | <.0001 | 1.39 | 1.26 | 1.54 | <.0001 | 1.31 | 1.24 | 1.39 | <.0001 |
| Mental Health Condition | 1.29 | 1.24 | 1.34 | <.0001 | 1.16 | 1.10 | 1.22 | <.0001 | 1.11 | 1.06 | 1.17 | <.0001 | 1.18 | 1.15 | 1.21 | <.0001 |
| Female Gender | 0.96 | 0.92 | 1.00 | 0.0277 | 1.28 | 1.22 | 1.35 | <.0001 | 1.15 | 1.10 | 1.20 | <.0001 | 1.06 | 1.04 | 1.09 | <.0001 |
| Medicare/Medicaid | 0.93 | 0.88 | 0.98 | 0.005 | 1.53 | 1.43 | 1.63 | <.0001 | 1.33 | 1.25 | 1.41 | <.0001 | 1.48 | 1.43 | 1.53 | <.0001 |
| Non-White Race | 1.21 | 1.16 | 1.27 | <.0001 | 1.02 | 0.96 | 1.09 | 0.4998 | 0.98 | 0.93 | 1.03 | 0.4192 | 0.99 | 0.96 | 1.02 | 0.6566 |