**Appendix 1.** Obesity-related comorbidity rates pre- and post-bariatric surgery. Significance was set at p<0.05 and is denoted by an asterisk (\*).

|  |  |  |  |
| --- | --- | --- | --- |
| **Obesity-Related Comorbidities** | **Pre-Bariatric** | **Post-Bariatric** | **p-Value** |
| Any musculoskeletal | 37.67% | 30.99% | <0.001\* |
| Osteoarthritis | 10.88% | 7.10% | <0.001\* |
| Rheumatoid arthritis | 3.04% | 2.62% | <0.001\* |
| Myocardial infarction | 15.69% | 16.28% | <0.001\* |
| Congestive heart failure | 24.01% | 31.27% | <0.001\* |
| Peripheral vascular disease | 11.32% | 10.16% | <0.001\* |
| Plegia | 6.18% | 5.87% | <0.001\* |
| Any cardiovascular | 79.11% | 81.88% | <0.001\* |
| Any cardiovascular except hypertension | 56.35% | 63.50% | <0.001\* |
| Any respiratory | 28.95% | 33.37% | <0.001\* |
| Asthma | 13.11% | 11.25% | <0.001\* |
| Mental health issues | 46.86% | 52.01% | <0.001\* |
| Hypertension | 69.82% | 67.05% | <0.001\* |
| Hypertension with chronic kidney disease | 13.73% | 17.34% | <0.001\* |
| High cholesterol | 23.14% | 12.61% | <0.001\* |
| Sleep apnea | 5.78% | 6.21% | <0.001\* |
| Any diabetes | 34.52% | 38.11% | <0.001\* |
| Diabetes with ketoacidosis | 0.90% | 0.69% | <0.001\* |
| Diabetes with hyperosmolarity | 0.53% | 0.84% | <0.001\* |
| Diabetes with other coma | 0.08% | 0.06% | <0.001\* |
| Diabetes with renal manifestation | 3.12% | 2.22% | <0.001\* |
| Diabetes with ophthalmic manifestation | 1.42% | 0.77% | <0.001\* |
| Diabetes with neurological manifestation | 4.25% | 2.93% | <0.001\* |
| Diabetes with peripheral circulatory | 1.76% | 1.57% | <0.001\* |
| Diabetes with any complication | 11.44% | 9.90% | <0.001\* |
| Type I diabetes | 2.85% | 1.96% | <0.001\* |
| Type II diabetes | 33.51% | 36.99% | <0.001\* |
| Diabetes – controlled | 32.34% | 35.28% | <0.001\* |
| Diabetes – uncontrolled | 9.10% | 8.17% | <0.001\* |