|  |  |  |  |
| --- | --- | --- | --- |
|  | Coefficient | Estimate | p-value |
| LOS | Group (Post) | -1.8 | < 0.001 |
| Procedure (TKA) | 0.1 | 0.517 |
| Total Cost | Group (Post) | -$24,737.30 | < 0.001 |
| Procedure (TKA) | $978.70 | 0.700 |
| Procedure Cost | Group (Post) | -$2,209.20 | < 0.001 |
| Procedure (TKA) | $322.30 | 0.228 |

**Appendix 2.** Multivariate Linear Regression. The coefficients are for post-implementation and TKA in comparison to the baselines (pre and THA). Looking at LOS for example, the average LOS post-implementation is 1.8 days less than pre, and the average LOS for TKA is 0.1 days more than THA. Because of the p-values, we can conclude that the increase in the % of THA doesn’t significantly affect any of the outcomes