**Appendix**

**Table A1.** Comparing pre- and post-intervention patients on potentially  
 confounding variables. N=151,145 cases on 93,970 patients.

| **Factor** | **Pre-intervention (N=66703/45144)^** |  | **Post-intervention (N=84442/55554)^** | **ASD** |
| --- | --- | --- | --- | --- |
| **Patient Age, yr** | 55.6 ± 16.9 |  | 55.8 ± 17.0 | 0.01 |
| **BMI (kg/m2)** | 29.0 ± 8.9 |  | 29.0 ± 8.6 | 0.01 |
| **Surgery (yes/no)** | 30,021 (45.0) |  | 39,397 (46.7) | 0.03 |
| ***Medical History*** |  |  |  |  |
| **Congestive heart failure** | 6,464 (9.7) |  | 8,625 (10.2) | 0.02 |
| **Valvular disease** | 5,330 (8.0) |  | 6,767 (8.0) | 0.00 |
| **Pulmonary circulation disease** | 4,949 (7.4) |  | 7,548 (8.9) | 0.06 |
| **Peripheral vascular disease** | 9,082 (13.6) |  | 14,040 (16.6) | 0.08 |
| **Hypertension uncomplicated** | 40,532 (60.8) |  | 52,795 (62.5) | 0.04 |
| **Hypertension complicated** | 9,363 (14.0) |  | 12,089 (14.3) | 0.01 |
| **Paralysis** | 3,523 (5.3) |  | 5,431 (6.4) | 0.05 |
| **Other neurological disorders** | 14,450 (21.7) |  | 22,911 (27.1) | 0.13 |
| **Chronic pulmonary disease** | 16,925 (25.4) |  | 26,018 (30.8) | 0.12 |
| **Diabetes w/o chronic complications** | 17,391 (26.1) |  | 23,967 (28.4) | 0.05 |
| **Hypothyroidism** | 9,370 (14.0) |  | 13,276 (15.7) | 0.05 |
| **Renal failure** | 10,175 (15.3) |  | 13,919 (16.5) | 0.03 |
| **Liver disease** | 8,205 (12.3) |  | 12,036 (14.3) | 0.06 |
| **Peptic ulcer Disease x bleeding** | 2,039 (3.1) |  | 3,513 (4.2) | 0.06 |
| **Acquired immune deficiency syndrome** | 429 (0.64) |  | 527 (0.62) | 0.00 |
| **Lymphoma** | 3,116 (4.7) |  | 4,290 (5.1) | 0.02 |
| **Metastatic cancer** | 9,895 (14.8) |  | 13,040 (15.4) | 0.02 |
| **Solid tumor w/out metastasis** | 11,741 (17.6) |  | 14,091 (16.7) | 0.02 |
| **Rheumatoid arthritis/collagen vas** | 5,157 (7.7) |  | 8,612 (10.2) | 0.09 |
| **Coagulopathy** | 10,220 (15.3) |  | 14,794 (17.5) | 0.06 |
| **Obesity** | 15,347 (23.0) |  | 22,977 (27.2) | 0.10 |
| **Weight loss** | 13,525 (20.3) |  | 22,347 (26.5) | 0.15 |
| **Fluid and electrolyte disorders** | 27,491 (41.2) |  | 41,457 (49.1) | 0.16 |
| **Chronic blood loss anemia** | 2,418 (3.6) |  | 3,783 (4.5) | 0.04 |
| **Deficiency Anemias** | 24,203 (36.3) |  | 35,494 (42.0) | 0.12 |
| **Alcohol abuse** | 6,021 (9.0) |  | 7,708 (9.1) | 0.00 |
| **Drug abuse** | 6,587 (9.9) |  | 10,733 (12.7) | 0.09 |
| **Psychoses** | 16,710 (25.1) |  | 25,707 (30.4) | 0.12 |
| **Depression** | 19,084 (28.6) |  | 27,042 (32.0) | 0.07 |

**Table A1. Comparing pre- and post-intervention on potential confounding variables.**

^ N = (N visit/N Pts). \* Missing values for DRG Weight = 45,694 (variable not used in any analyses).  
Summary statistics were presented as percentage of patients, mean ± SD, or median [Q1, Q3];   
ASD = absolute standardized differences: difference in means or proportions divided by pooled standard deviation; >0.1 in ASD indicates imbalance.