|  |  |  |  |
| --- | --- | --- | --- |
|  | **Spill (N=15973)** | **No spill (N=110392)** | **P-value** |
| **Male** |  |  |  |
| Yes | 5192 (32.5%) | 25739 (23.3%) | <0.01 |
| No | 10781 (67.5%) | 84653 (76.7%) |  |
| **Age** |  |  |  |
| Mean (SD) | 50.0 (16.5) | 48.0 (16.5) | <0.01 |
| Median [Min, Max] | 50.0 [18.0, 90.0] | 47.0 [18.0, 90.0] |  |
| **BMI** |  |  |  |
| Mean (SD) | 32.2 (7.57) | 31.6 (7.58) | <0.01 |
| Median [Min, Max] | 31.0 [11.3, 132] | 30.4 [9.78, 150] |  |
| **Diabetic with oral agents or insulin** |  |  |  |
| Yes | 2064 (12.9%) | 11905 (10.8%) | <0.01 |
| No | 13909 (87.1%) | 98487 (89.2%) |  |
| **Diabetic requiring insulin** |  |  |  |
| Yes | 605 (3.8%) | 3391 (3.1%) | <0.01 |
| No | 15368 (96.2%) | 107001 (96.9%) |  |
| **Current smoker within 1 year** |  |  |  |
| Yes | 2610 (16.3%) | 18615 (16.9%) | 0.1 |
| No | 13363 (83.7%) | 91777 (83.1%) |  |
| **Pre-operative dyspnea** |  |  |  |
| Yes | 666 (4.2%) | 4190 (3.8%) | 0.023 |
| No | 15307 (95.8%) | 106202 (96.2%) |  |
| **Functionally independent pre-operatively** |  |  |  |
| Yes | 15901 (99.5%) | 109964 (99.6%) | 0.26 |
| No | 72 (0.5%) | 428 (0.4%) |  |
| **History of severe COPD** |  |  |  |
| Yes | 365 (2.3%) | 2390 (2.2%) | 0.35 |
| No | 15608 (97.7%) | 108002 (97.8%) |  |
| **Ascites within 30 days of surgery** |  |  |  |
| Yes | 4 (0.0%) | 31 (0.0%) | 1 |
| No | 15969 (100.0%) | 110361 (100.0%) |  |
| **History of CHF within 30 days of surgery** |  |  |  |
| Yes | 42 (0.3%) | 198 (0.2%) | 0.03 |
| No | 15931 (99.7%) | 110194 (99.8%) |  |
| **Hypertension requiring medication** |  |  |  |
| Yes | 5519 (34.6%) | 34901 (31.6%) | <0.01 |
| No | 10454 (65.4%) | 75491 (68.4%) |  |
| **Currently requiring or on dialysis** |  |  |  |
| Yes | 44 (0.3%) | 212 (0.2%) | 0.036 |
| No | 15929 (99.7%) | 110180 (99.8%) |  |
| **Disseminated cancer** |  |  |  |
| Yes | 35 (0.2%) | 228 (0.2%) | 0.82 |
| No | 15938 (99.8%) | 110164 (99.8%) |  |
| **Steroid/immunosuppresant use for chronic condition** |  |  |  |
| Yes | 277 (1.7%) | 1986 (1.8%) | 0.59 |
| No | 15696 (98.3%) | 108406 (98.2%) |  |
| **>10% weight loss in last 6 months** |  |  |  |
| Yes | 77 (0.5%) | 530 (0.5%) | 1 |
| No | 15896 (99.5%) | 109862 (99.5%) |  |
| **Bleeding disorders** |  |  |  |
| Yes | 219 (1.4%) | 1211 (1.1%) | <0.01 |
| No | 15754 (98.6%) | 109181 (98.9%) |  |
| **Operative time (minutes)** |  |  |  |
| Mean (SD) | 66.3 (33.0) | 55.5 (27.0) | <0.01 |
| Median [Min, Max] | 59.0 [16.0, 239] | 49.0 [16.0, 239] |  |
| **Intraoperative cholangiogram** |  |  |  |
| Yes | 2940 (18.4%) | 21914 (19.9%) | <0.01 |
| No | 13033 (81.6%) | 88478 (80.1%) |  |

Table 1. Pre-match patient characteristics