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| **Table 1. Baseline characteristics of bariatric surgery patients and severely obese patients who did not undergo bariatric surgery.** | | |
|  | **Bariatric Patients** | **Matched Non-Surgical Patients** |
|  | **(n=30,171)** | **(n=218,961)** |
| Sleeve Gastrectomy, n (%) | 13,468 (44.6%) | - |
| Roux-en-Y Gastric Bypass, n (%) | 16,703 (55.4%) | - |
| Age (years), mean (SD) | 45.0 (11.0) | 45.6 (11.7) |
| Age Categories, n (%) |  |  |
| <45 y | 14,705 (48.7%) | 103,859 (47.4%) |
| ≥45 y - <65 y | 14,436 (47.8%) | 106,196 (48.5%) |
| ≥65 y - <80 y | 1,030 (3.4%) | 8,906 (4.1%) |
| Female, n (%) | 24,652 (81.7%) | 174,651 (79.8%) |
| Male, n (%) | 5,519 (18.3%) | 44,310 (20.2%) |
| Race/Ethnicity, n (%) |  |  |
| Hispanic | 9,580 (31.8%) | 67,487 (30.8%) |
| Non-hispanic black | 5,041 (16.7%) | 33,555 (15.3%) |
| Non-hispanic white | 14,175 (47.0%) | 106,446 (48.6%) |
| Other | 892 (3.0%) | 7,644 (3.5%) |
| Unknown/missing | 483 (1.6%) | 3,829 (1.7%) |
| Health care site, n (%) |  |  |
| Kaiser Permanente Northern California (KPNC) | 9,554 (31.7%) | 87,358 (39.9%) |
| Kaiser Permanente Southern California (KPSC) | 19,364 (64.2%) | 122,257 (55.8%) |
| Kaiser Permanente Washington (KPWA) | 1,253 (4.2%) | 9,346 (4.3%) |
| Insurance Type, n (%) |  |  |
| Commercial | 27,147 (90.0%) | 191,219 (87.3%) |
| Medicaid | 1,192 (4.0%) | 10,962 (5.0%) |
| Medicare | 1,769 (5.9%) | 15,616 (7.1%) |
| Other | 63 (0.2%) | 1,164 (0.5%) |
| Year of surgery/index date, n (%) |  |  |
| 2005-2007 | 3,861 (12.8%) | 26,672 (12.2%) |
| 2008-2010 | 8,005 (26.5%) | 53,672 (24.5%) |
| 2011-2013 | 12,254 (40.6%) | 87,678 (40.0%) |
| 2014-2015 | 6,051 (20.1%) | 50,939 (23.3%) |
| # of days health care use in 7-12 months pre index date, mean (SD) | 7.91 (6.82) | 5.40 (4.86) |
| # of days hospitalized in year prior to index date, mean (SD) | 0.238 (1.34) | 0.726 (2.86) |
| Charlson/Elixhauser comorbidity score, n (%) |  |  |
| -1 | 5,709 (18.9%) | 40,118 (18.3%) |
| 0 | 12,030 (39.9%) | 94,005 (42.9%) |
| 1 | 7,436 (24.6%) | 54,028 (24.7%) |
| 2+ | 4,996 (16.6%) | 30,810 (14.1%) |
| BMI, kg/m2, mean (SD) | 44.3 (6.84) | 42.6 (5.99) |
| BMI categories, kg/m2, n (%) |  |  |
| ≥35-<40 | 8,923 (29.6%) | 82,158 (37.5%) |
| ≥40-<50 | 15,896 (52.7%) | 110,889 (50.6%) |
| ≥50 | 5,352 (17.7%) | 25,914 (11.8%) |
| Diabetes status, n (%) | 10,071 (33.4%) | 69,004 (31.5%) |
| Use of insulin, n (%) | 3,189 (10.6%) | 21,549 (9.8%) |
| Dyslipidemia |  |  |
| Dyslipidemia diagnosis, n (%) | 13,775 (45.7%) | 73,003 (33.3%) |
| Use of a statin, n (%) | 7,205 (23.9%) | 49,852 (22.8%) |
| Use of other lipid-lowering medication, n (%) | 737 (2.4%) | 5,092 (2.3%) |
| Hypertension |  |  |
| Systolic blood pressure, mean (SD) | 127 (13.2) | 127 (13.8) |
| Diastolic blood pressure, mean (SD) | 75.4 (9.50) | 75.7 (9.90) |
| Elevated blood pressure >140/90, n (%) | 3,643 (12.8%) | 30,637 (14.2%) |
| Missing BP measures, n (%) | 1,617 (5.4%) | 3,747 (1.7%) |
| Hypertension diagnosis, n (%) | 16,540 (54.8%) | 96,051 (43.9%) |
| Use of ACE inhibitors, n (%) | 7,015 (23.3%) | 47,829 (21.8%) |
| Use of ARB, n (%) | 2,358 (7.8%) | 15,369 (7.0%) |
| Use of other antihypertensive medications, n (%) | 11,546 (38.3%) | 76,788 (35.1%) |
| Cardiovascular Disease, n (%) |  |  |
| Cardiac event or ischemic heart disease diagnosis | 32 (0.1%) | 916 (0.4%) |
| Ischemic or hemorrhagic stroke | 4 (0.0%) | 384 (0.2%) |
| Smoking status, self-reported, n (%) |  |  |
| History of smoking | 10,395 (34.5%) | 70,464 (32.2%) |
| Never smoker | 17,424 (57.8%) | 131,056 (59.9%) |
| Missing | 2,352 (7.8%) | 17,441 (8.0%) |
| Mental Health Diagnoses, n (%) |  |  |
| No mental health conditions | 14,591 (48.4%) | 124,017 (56.6%) |
| Mild-to-moderate depression or anxiety | 12,278 (40.7%) | 70,805 (32.3%) |
| Severe depression or anxiety | 1,348 (4.5%) | 7,879 (3.6%) |
| Isolated substance abuse/eating disorder | 228 (0.8%) | 1,254 (0.6%) |
| Bipolar, psychosis, or schizophrenia-spectrum disorder | 1,726 (5.7%) | 15,006 (6.9%) |
| Oral contraceptive use at index date |  |  |
| Current, n (%) | 1,661 (5.5%) | 13,873 (6.3%) |
| Not current, n (%) | 28,510 (94.5%) | 205,088 (93.7%) |
| Hormone Therapy use at index date |  |  |
| Current, n (%) | 562 (1.9%) | 3,773 (1.7%) |
| Not current, n (%) | 29,609 (98.1%) | 215,188 (98.3%) |
| Anticoagulant use at index date |  |  |
| Current, n (%) | 238 (0.8%) | 2,157 (1.0%) |
| Not current, n (%) | 29,933 (99.2%) | 216,804 (99.0%) |
| Anticoagulant use 30 days prior to the index date |  |  |
| Current, n (%) | 193 (0.6%) | 2,123 (1.0%) |
| Not current, n (%) | 29,978 (99.4%) | 216,838 (99.0%) |
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