Standardized differences for propensity model variables between patients with and without substance use disorder diagnoses in the year prior to discontinuation of long-term opioid therapy: a comparison of the full cohort and matched sample.

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| --- | --- | --- |
| Variable | Full Cohort, N=7,247 | Matched Sample, N=600 |
| No SUD Diagnosis,N=5,379 | SUD Diagnosis,N=1,868 |  | No SUD Diagnosis,N=300 | SUD Diagnosis,N=300 |  |
| Mean or % | Mean or % | Standardized Difference | Mean or % | Mean or % | Standardized Difference |
| Age | 57.1 | 53.3 | 0.311 | 53.8 | 55.3 | -0.136 |
| Male | 93.2% | 94.0% | -0.034 | 95.3% | 93.7% | 0.073 |
| Race/Ethnicity |  |  |  |  |  |  |
|  White, Non-Hispanic | 69.9% | 65.3% | 0.098 | 71.7% | 71.3% | 0.007 |
|  Black, Non-Hispanic | 13.1% | 19.4% | -0.177 | 14.7% | 16.0% | -0.037 |
|  Hispanic | 2.7% | 3.7% | -0.060 | 3.0% | 1.7% | 0.088 |
|  Other/Unknown | 14.3% | 11.6% | 0.080 | 10.7% | 11.0% | -0.015 |
| Rurality |  |  |  |  |  |  |
|  Urban | 68.2% | 73.0% | -0.102 | 71.7% | 74.0% | -0.052 |
|  Large Rural | 15.7% | 13.9% | 0.052 | 13.0% | 12.7% | 0.010 |
|  Small Rural | 8.5% | 7.2% | 0.045 | 9.3% | 7.3% | 0.072 |
|  Isolated | 6.8% | 5.4% | 0.058 | 5.3% | 5.7% | -0.015 |
|  Unknown | 0.7% | 0.5% | 0.023 | 0.7% | 0.3% | 0.047 |
| Period of Military Service |  |  |  |  |  |  |
|  World War II | 2.5% | 0.3% | 0.162 | 0.0% | 0.3% | -0.082 |
|  Korean | 4.8% | 0.1% | 0.200 | 1.3% | 1.0% | 0.031 |
|  Post-Korean | 3.1% | 1.1% | 0.124 | 1.0% | 1.0% | 0.000 |
|  Vietnam | 50.4% | 51.6% | -0.023 | 51.3% | 54.7% | -0.067 |
|  Post-Vietnam | 18.6% | 24.7% | -0.152 | 25.7% | 24.3% | 0.031 |
|  Persian Gulf | 19.9% | 20.9% | -0.026 | 20.0% | 18.3% | 0.042 |
|  Other | 0.3% | 0.3% | -0.001 | 0.3% | 0.3% | 0.000 |
| Hospital Complexity |  |  |  |  |  |  |
|  1a | 36.5% | 37.2% | -0.014 | 34.3% | 37.0% | -0.056 |
|  1b | 11.0% | 12.7% | -0.054 | 14.0% | 15.0% | -0.028 |
|  1c | 21.2% | 21.1% | 0.002 | 26.0% | 22.3% | 0.086 |
|  2 | 20.8% | 16.5% | 0.107 | 16.3% | 14.3% | 0.055 |
|  3 | 10.2% | 12.2% | -0.062 | 9.3% | 11.3% | -0.066 |
|  Unknown | 0.3% | 0.3% | -0.001 | 0.0% | 0.0% | 0.000 |
| Elixhauser Comorbidity Score | 1.4 | 1.6 | -0.167 | 1.7 | 1.7 | -0.005 |
| Service Connected Disability | 58.8% | 59.4% | -0.012 | 58.7% | 53.7% | 0.101 |
| SUD Diagnoses | 9.1% | 58.1% | -1.187 | 55.3% | 56.3% | -0.020 |
|  Alcohol | 5.4% | 39.0% | -0.967 | 33.0% | 37.7% | -0.098 |
|  Opioid | 1.2% | 11.9% | -0.547 | 7.0% | 10.0% | -0.107 |
|  Non-Opioid | 4.5% | 32.3% | -0.866 | 25.3% | 30.7% | -0.119 |
|  Tobacco | 28.6% | 47.9% | -0.408 | 54.7% | 46.3% | 0.167 |
| Mental Health Diagnoses  |  |  |  |  |  |  |
|  Mood Disorder | 40.1% | 58.6% | -0.371 | 58.0% | 61.3% | -0.068 |
|  Anxiety Disorder | 32.6% | 46.9% | -0.298 | 44.7% | 45.7% | -0.020 |
|  Psychotic Disorder | 3.5% | 8.0% | -0.210 | 9.0% | 8.0% | 0.036 |
|  Sleep Disorder | 10.2% | 8.5% | 0.058 | 9.3% | 8.0% | 0.047 |
| Pain Diagnoses |  |  |  |  |  |  |
|  Musculoskeletal | 86.9% | 90.7% | -0.116 | 91.0% | 92.0% | -0.036 |
|  Neurological | 5.9% | 6.9% | -0.040 | 5.0% | 4.7% | 0.016 |
|  Migraine | 9.9% | 12.5% | -0.084 | 10.0% | 13.0% | -0.094 |
| Opioid Details |  |  |  |  |  |  |
|  Morphine Equivalent | 58.4 | 74.7 | -0.192 | 68.7 | 87.9 | -0.184 |
|  Sustained Action Drug | 7.4% | 8.3% | -0.032 | 7.7% | 11.3% | -0.125 |
|  Number of opioid prescribers  | 2.2 | 2.6 | -0.293 | 2.7 | 2.5 | 0.088 |
| Had Outpatient Encounter |  |  |  |  |  |  |
|  Primary Care Visit | 97.7% | 97.9% | -0.009 | 98.3% | 97.7% | 0.048 |
|  Emergency Dept. Visit | 22.6% | 35.9% | -0.304 | 38.3% | 36.0% | 0.048 |
|  Mental Health Visit | 45.5% | 70.8% | -0.505 | 69.3% | 69.3% | 0.000 |
|  Physical Rehab. Visit | 8.2% | 10.9% | -0.094 | 9.3% | 12.0% | -0.086 |
|  Physical Therapy Visit | 16.2% | 21.1% | -0.131 | 17.0% | 19.7% | -0.069 |
|  Occupational Therapy Visit | 4.6% | 6.0% | -0.065 | 6.7% | 5.3% | 0.056 |
|  Pain Clinic Visit | 10.1% | 13.8% | -0.118 | 14.0% | 13.7% | 0.010 |
| Had Inpatient Encounter |  |  |  |  |  |  |
|  Medical | 5.0% | 9.0% | -0.168 | 11.0% | 9.7% | 0.044 |
|  Neurological | 0.3% | 0.4% | -0.031 | 1.0% | 0.0% | 0.142 |
|  Psychiatric | 1.1% | 7.1% | -0.375 | 5.0% | 7.0% | -0.084 |

Note: SUD = substance use disorder

