**Supplemental Table S3**

**Codes or source of codes for covariates in the main analysis of the study**

|  |  |
| --- | --- |
| **Variable** | **Codes or Source** |
| Demographics | Master Beneficiary Summary File with Medicare Part A/B/C/D |
| Benzodiazepine Use | National Drug Code |
| Alcohol Abuse | Elixhauser ICD-10 and Elixhauser Enhanced IC-9-CM by Quan et al.1 for “Alcohol abuse” |
| Drug Abuse | Elixhauser ICD-10 and Elixhauser Enhanced IC-9-CM by Quan et al.1 for “Drug abuse” |
| Depression | Elixhauser ICD-10 and Elixhauser Enhanced IC-9-CM by Quan et al.1 for “Depression” |
| Anxiety | 30000, 30001, 30002, 30009, 30010, 30020, 30021, 30022, 30023, 30029, 30921, 30924 |
| History of Cancer | Elixhauser ICD-10 and Elixhauser Enhanced IC-9-CM by Quan et al.1 for “Solid tumor without metastasis,” “Metastatic cancer,” and “Lymphoma” |
| Cancer Treatment | Chemotherapy ICD-9 Diagnosis: V58.1, V66.2, V67.2Chemotherapy ICD-9 Procedure: 9925Chemotherapy CPT: 96400-96549, J9000-J9999, Q0083-Q0085, 51720Radiation Therapy ICD-9 Diagnosis: V58.0, V66.1, V67.1Radiation Therapy ICD-9 Procedure: 9221-229Radiation Therapy CPT: 77401-77499, 77750-77799, 77520, 77523, G0256, G0261Radiation Therapy Revenue Code: 0330, 0333Hospitalization Due to Cancer: 140-239 |

1Quan H, Sundararajan V, Halfon P, Fong A, Burnand B, Luthi JC, Saunders LD, Beck CA, Feasby TE, Ghali WA. Coding algorithms for defining comorbidities in ICD-9-CM and ICD-10 administrative data. Med Care 2005;43(11):1130-1139.