**Supplemental Table 1**

Results of models for count of psychiatric medication changes and odds of any psychiatric medication change.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Count of psych. med. changes |  | Odds of any psych. med. change |
| Variable |  | Exp(B) | 95% CI lower | 95% CI upper | p |  | Adjusted odds ratio | 95% CI lower | 95% CI upper | p |
| Age at visit |  | 0.98 | 0.92 | 1.04 | 0.546 |  | 1.01 | 0.94 | 1.1 | 0.712 |
| Male |  | 1.02 | 0.51 | 2.02 | 0.959 |  | 0.82 | 0.38 | 1.79 | 0.625 |
| Race/ethnicity | Black | 0.82 | 0.34 | 1.97 | 0.661 |  | 1.13 | 0.39 | 3.25 | 0.825 |
|  | Other | 1.34 | 0.51 | 3.53 | 0.553 |  | 0.88 | 0.24 | 3.17 | 0.846 |
|  | White | Referent |  |  |  |  | Referent  |  |  |  |
| Adverse drug reactiona | 1.07 | 0.67 | 1.73 | 0.767 |  | 1.34 | 0.72 | 2.50 | 0.350 |
| Poor drug responsea | 1.07 | 0.64 | 1.80 | 0.797 |  | 1.35 | 0.69 | 2.61 | 0.380 |
| Subspecialty referral | 1.13 | 0.53 | 2.44 | 0.746 |  | 1.12 | 0.47 | 2.64 | 0.801 |
| Total psych meds | 1.15 | 0.97 | 1.36 | 0.107 |  | 1.19 | 0.96 | 1.48 | 0.117 |
| Total non-psych meds | 0.90 | 0.84 | 0.98 | 0.010 |  | 0.87 | 0.79 | 0.96 | 0.006 |

 aReason for clinic visit

**Supplemental Table 2**

Results of logistic regression prediction models for CYP2C19 metabolizer status (AUC=0.70) and CYP2D6 metabolizer status (AUC=0.72).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | CYP2D6 poor vs. other status |  | CYP2C19 rapid/ultra-rapid vs. other |
| Variable |  | aOR | low95 | upp95 | p |  | aOR | low95 | upp95 | p |
| Diagnosis count |  | 1.55 | 1.03 | 2.38 | 0.036 |  | 0.90 | 0.59 | 1.32 | 0.588 |
| # of Meds ineffective |  | 0.98 | 0.74 | 1.21 | 0.867 |  | 1.00 | 0.72 | 1.28 | 0.993 |
| Psych ADRsa |  | 1.05 | 0.75 | 1.41 | 0.772 |  | 1.00 | 0.71 | 1.37 | 0.997 |
| Non-psych ADRsa |  | 0.89 | 0.66 | 1.13 | 0.385 |  | 0.70 | 0.48 | 0.95 | 0.036 |
| aAdverse drug reactions |  |  |  |  |  |  |  |  |  |