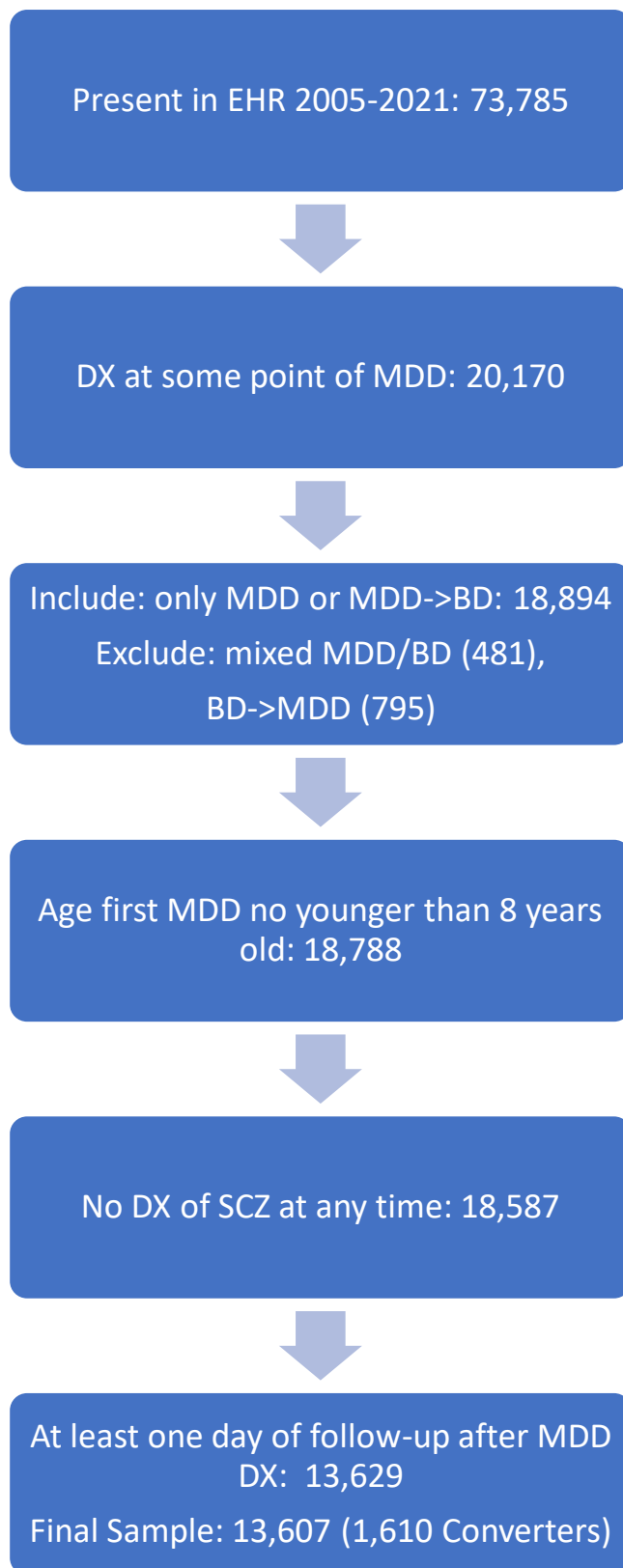
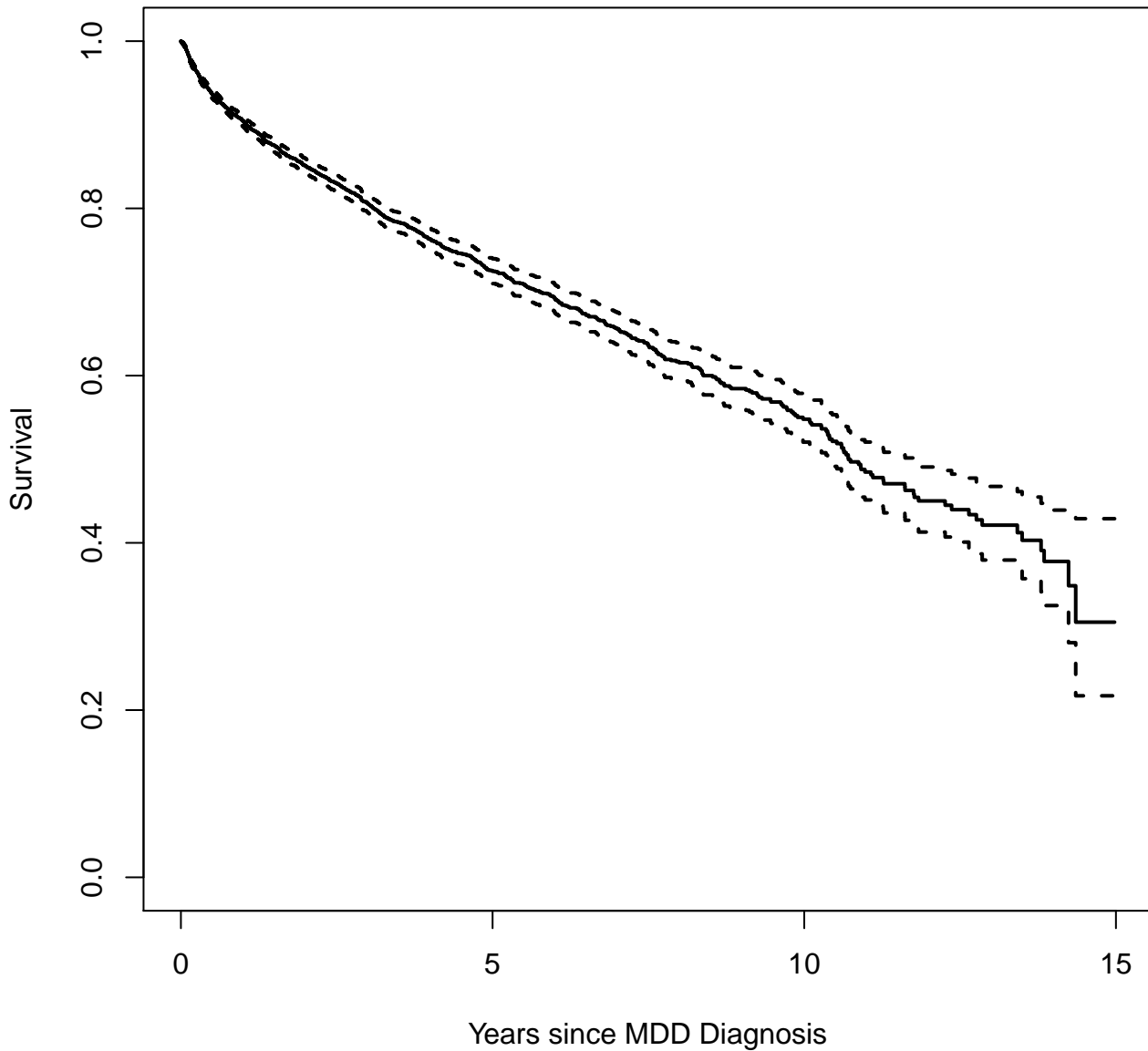


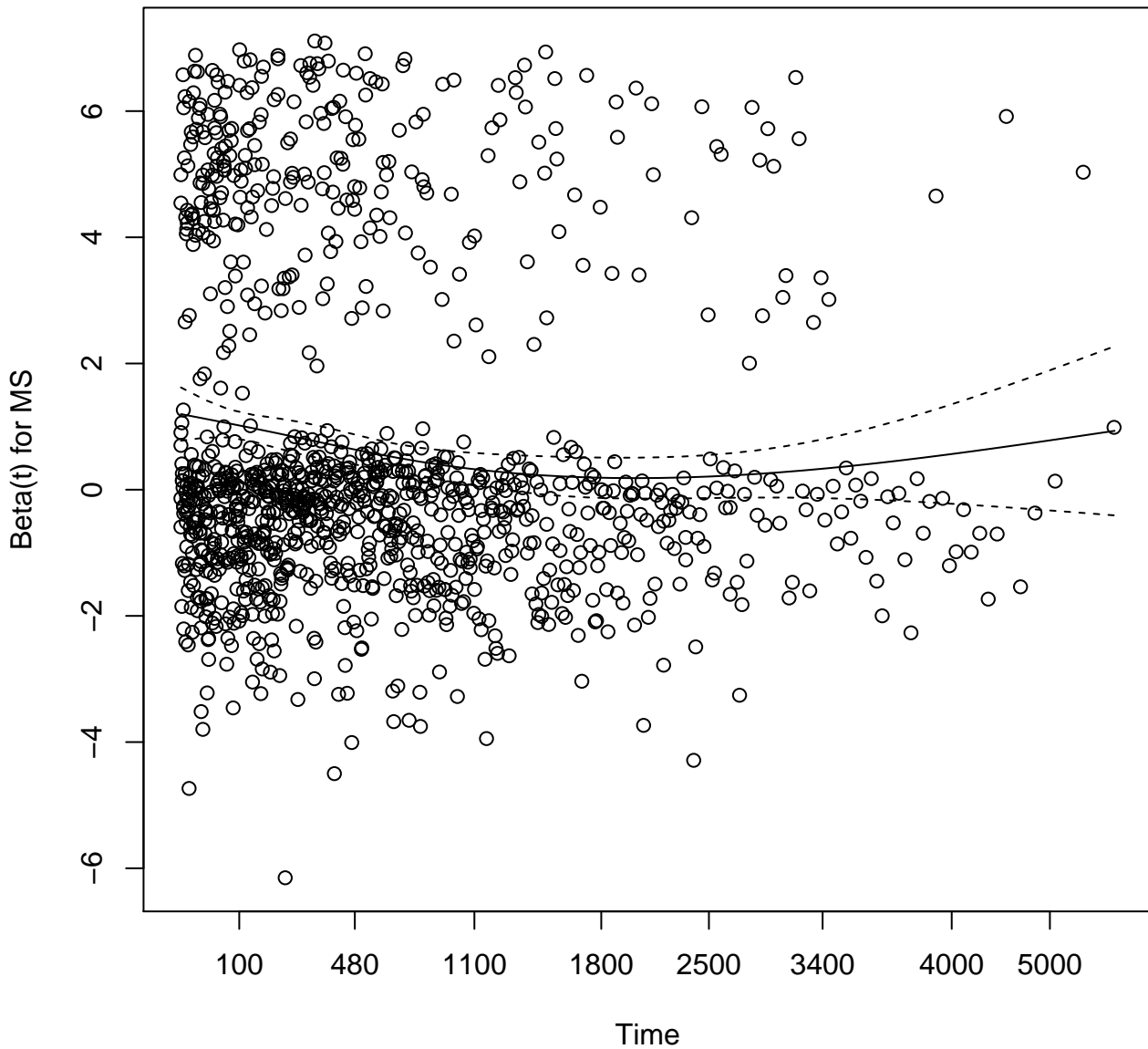
Supplementary Figure 1



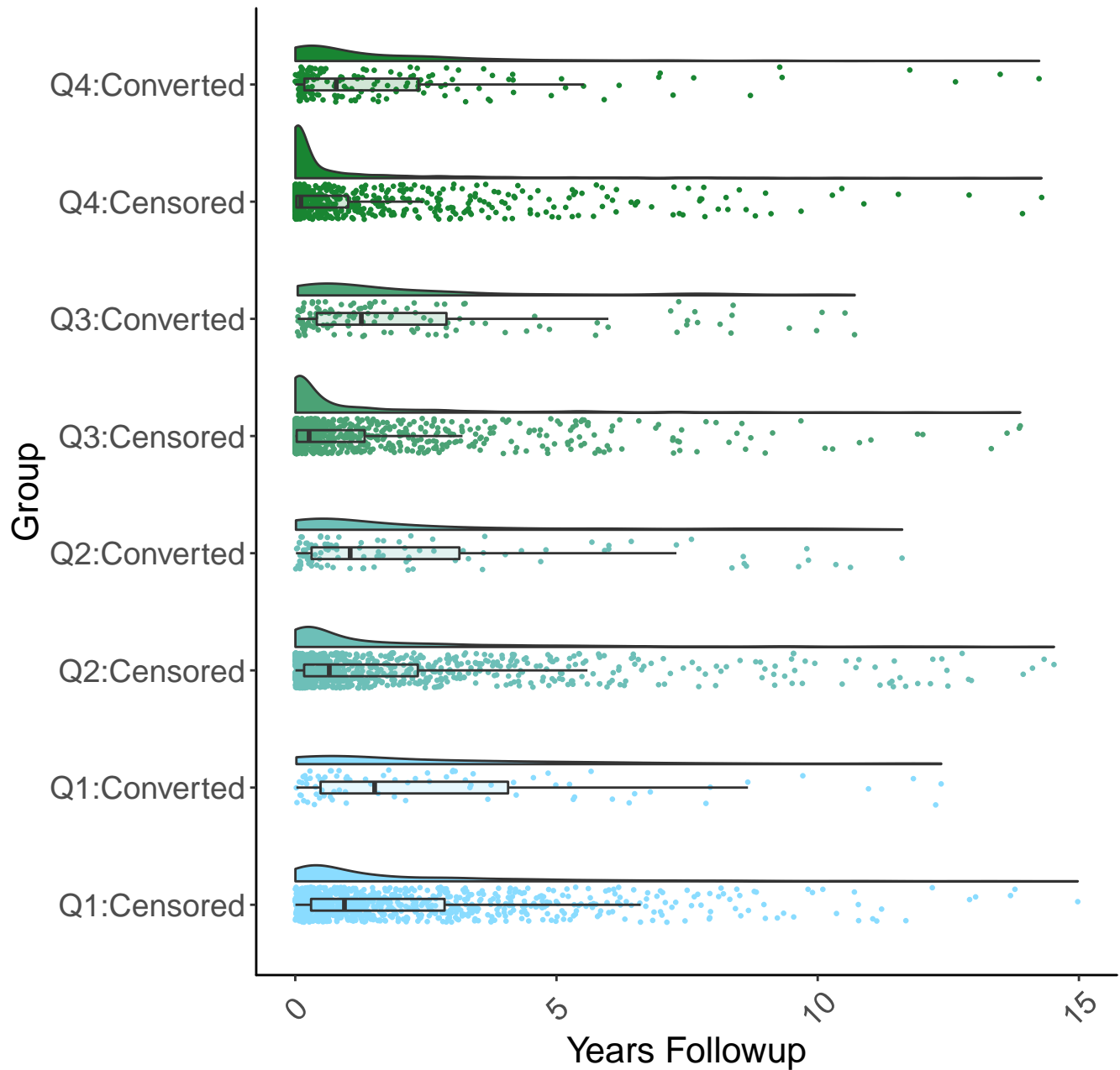
Supplementary Figure 2



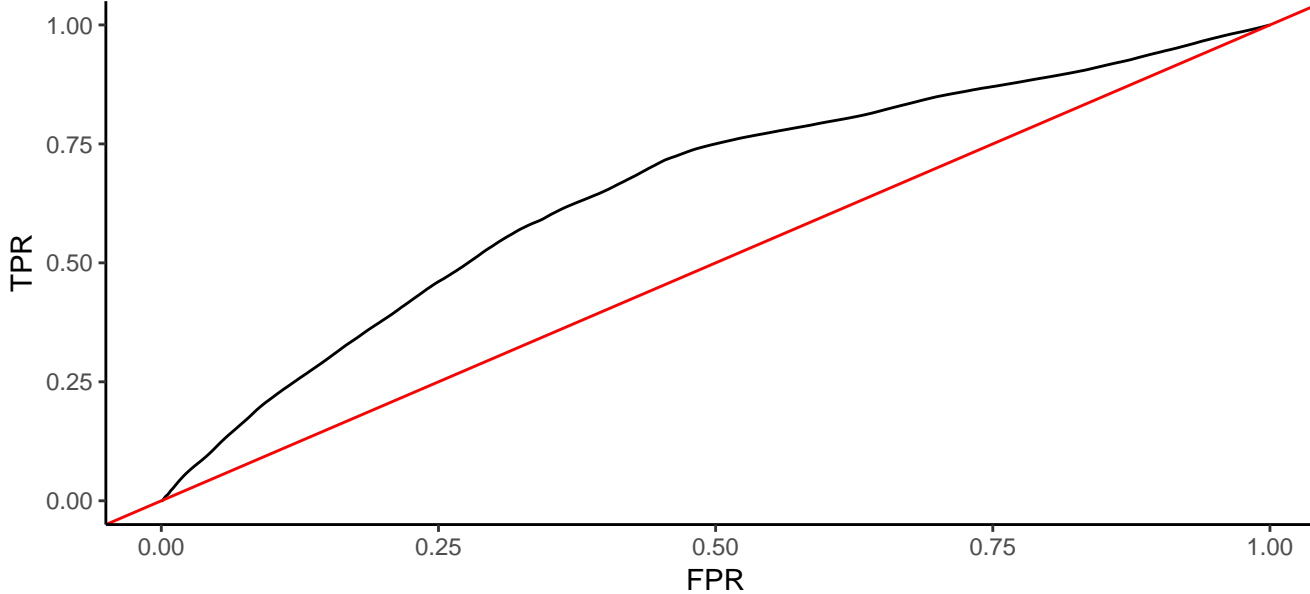
Supplementary Figure 3



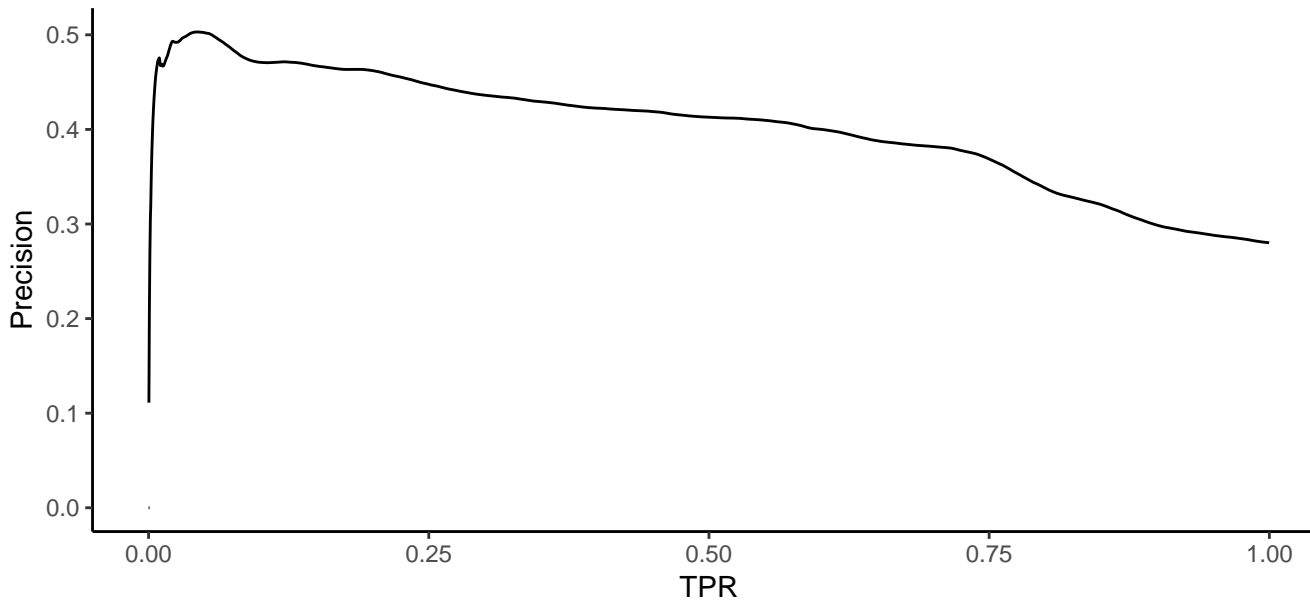
Supplementary Figure 4



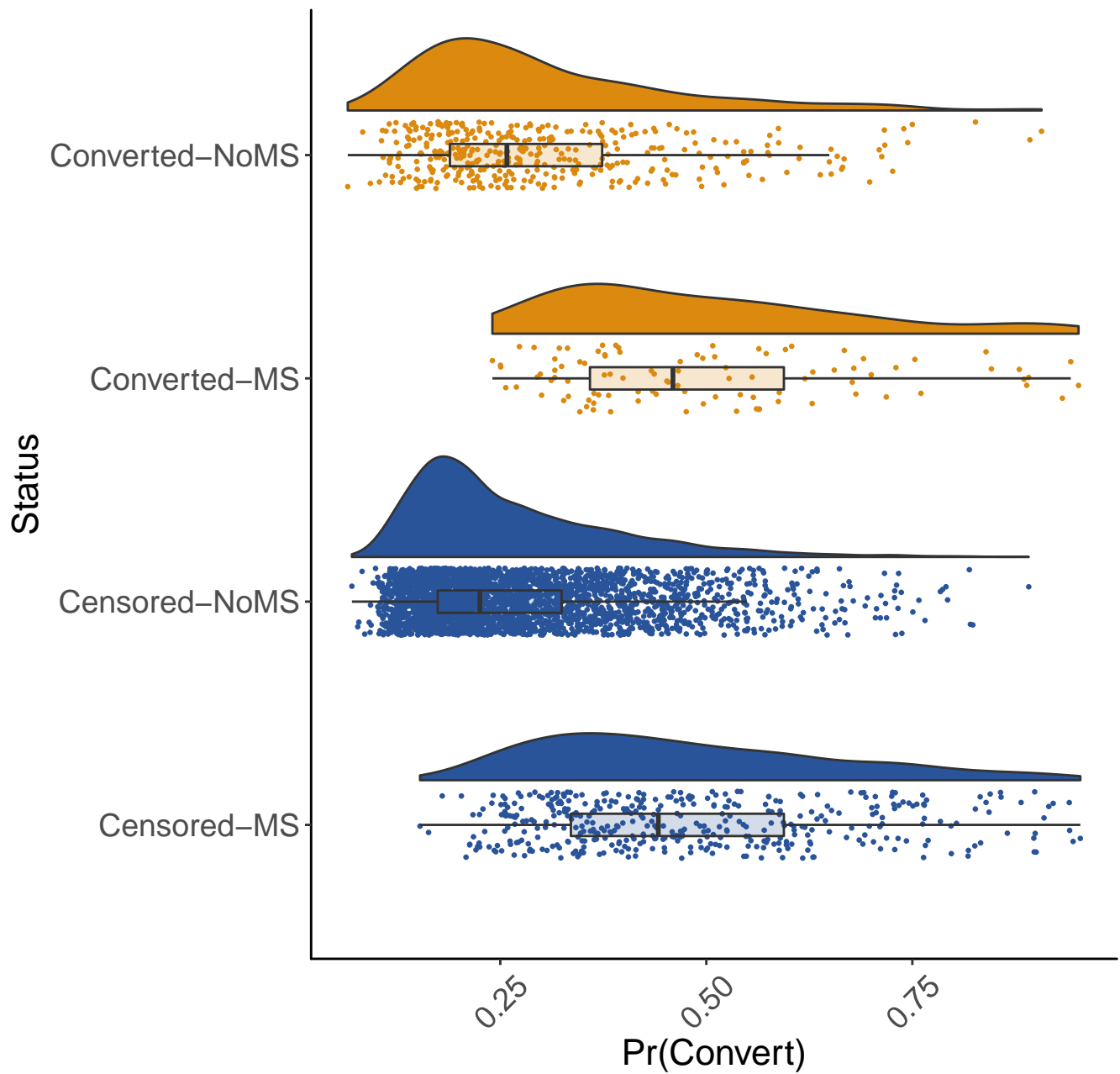
Supplementary Figure 5A



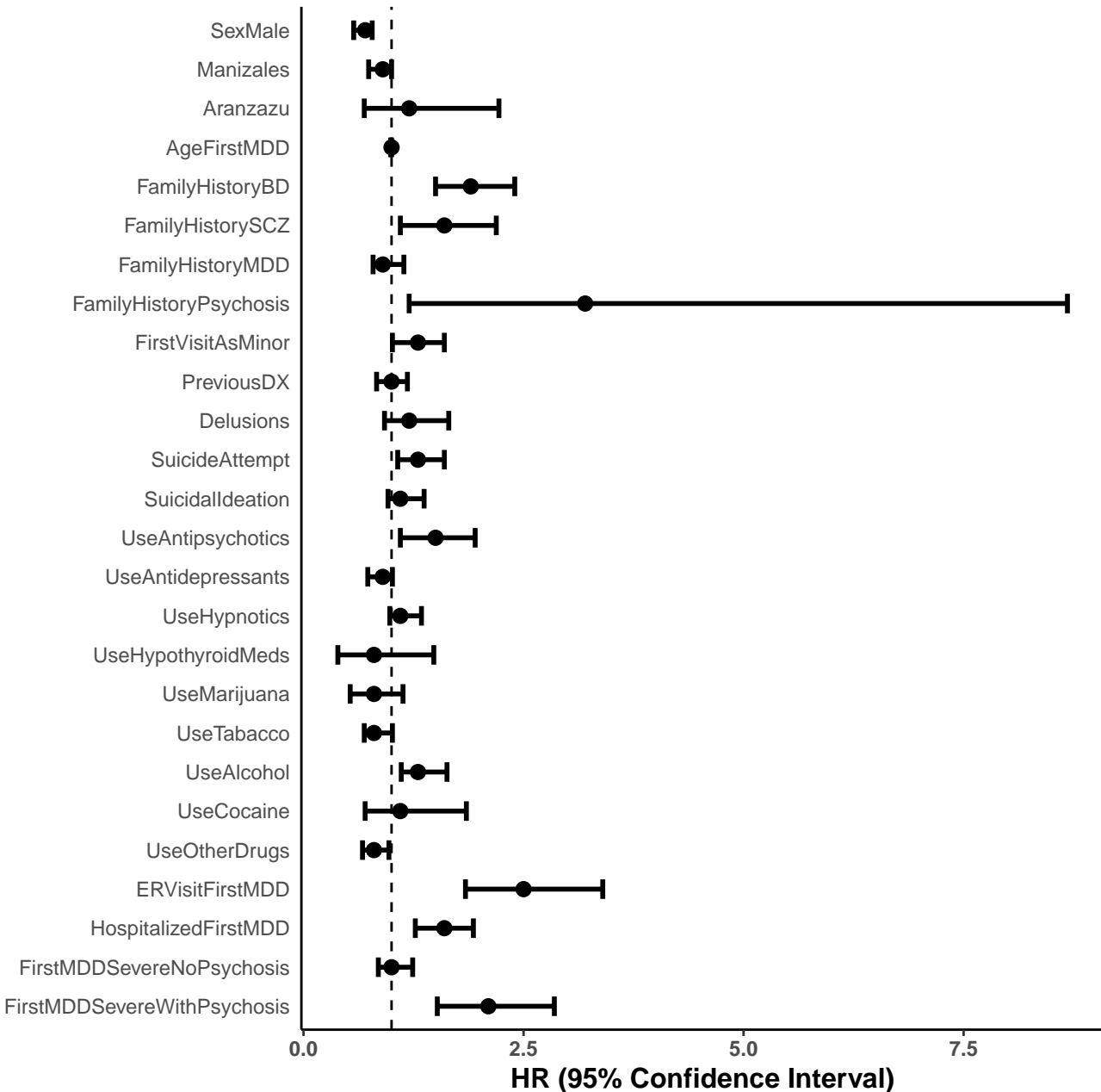
Supplementary Figure 5B



Supplementary Figure 6



Supplementary Figure 7

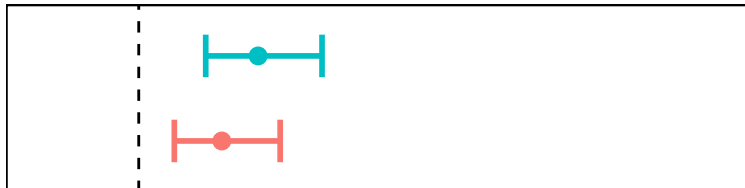


Supplementary Figure 8A

UseAntidepressants



UseAntipsychotics



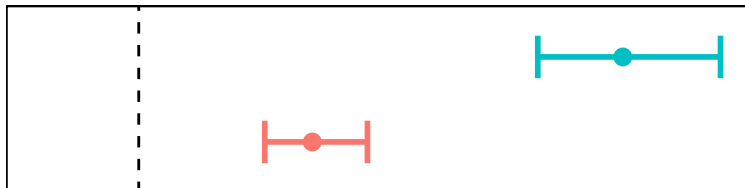
UseHypnotics



UseHypothyroidMeds



UseMoodStabilizers



UseOtherDrugs



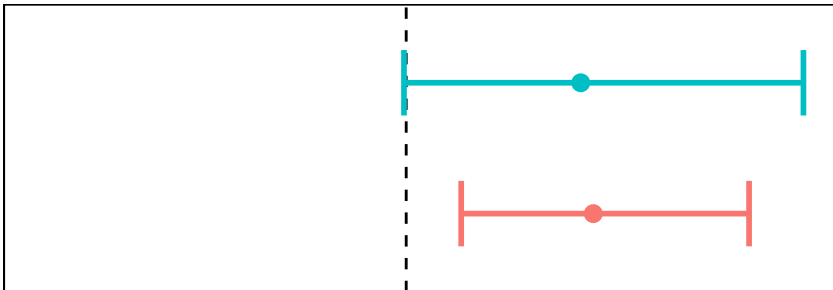
Model

- Baseline
- TimeVarying

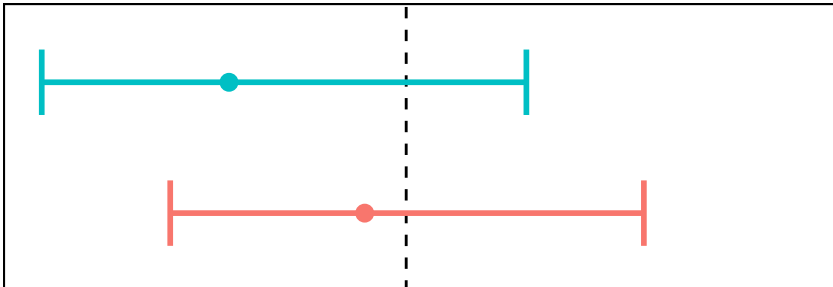
Hazard Ratio (95% Confidence Interval)

Supplementary Figure 8B

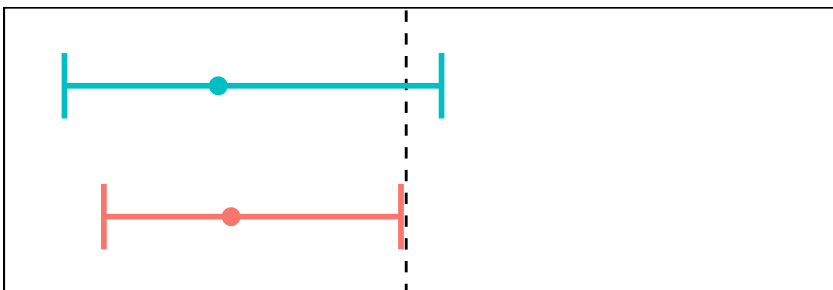
UseAlcohol



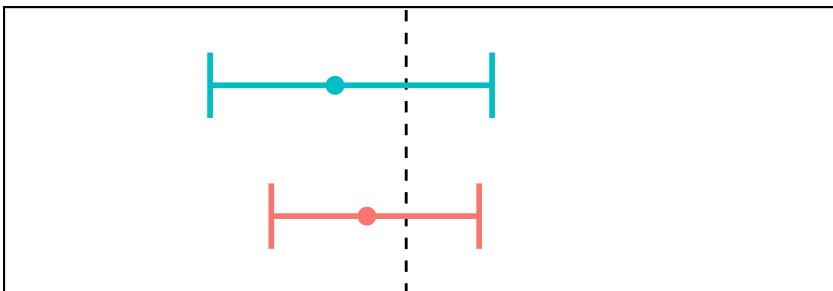
UseCocaine



UseMarijuana



UseTabacco



Hazard Ratio (95% Confidence Interval)

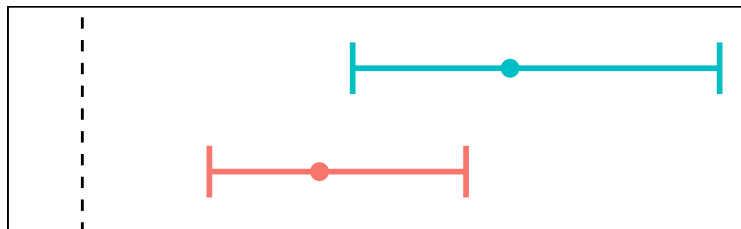
Model

- Baseline
- TimeVarying

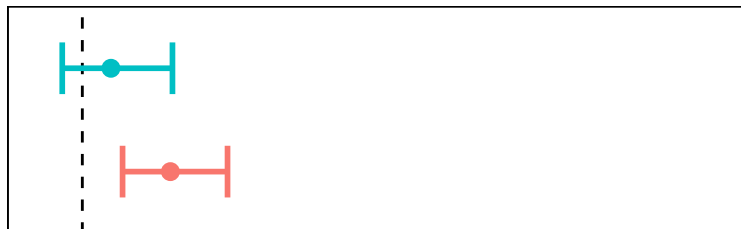
Predictor

Supplementary Figure 8C

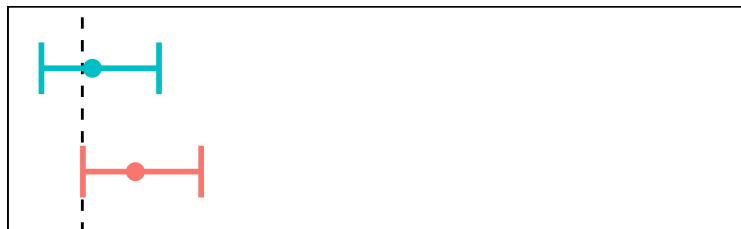
ERVisitFirstMDD



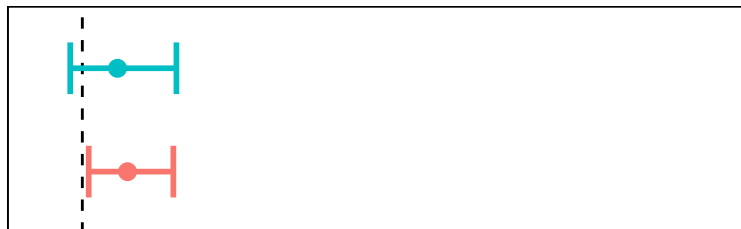
HospitalizedFirstMDD



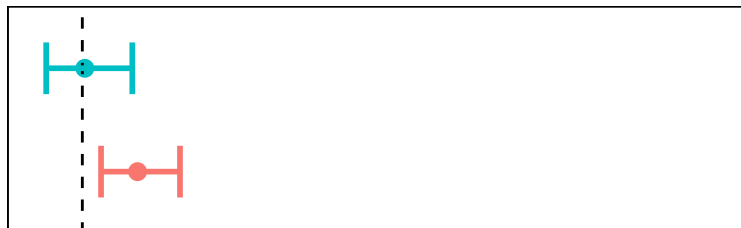
Delusions



SuicideAttempt



SuicidalIdeation



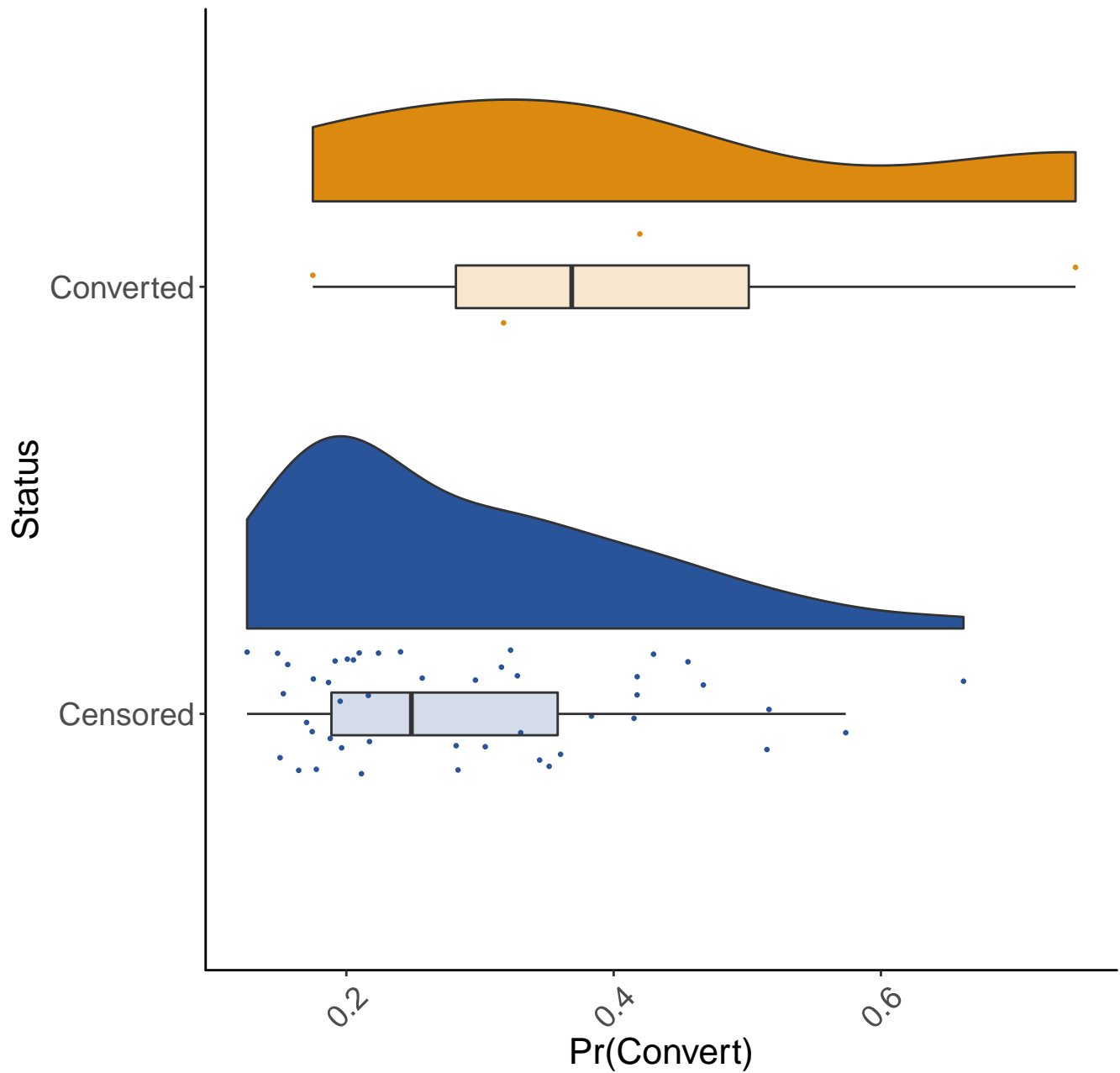
Hazard Ratio (95% Confidence Interval)

Model

- Baseline
- TimeVarying

Predictor

Supplementary Figure 9



Supplementary Table 1. Hazard Ratio (HR), lower (LL.CI) and upper (UL.CI) 95% confidence intervals and p-value (P) for the null hypothesis that the HR=1. Results are from the multivariate model applied to the training data

Variable	HR	LL.CI	UL.CI	P
SexMale	0.7	0.61	0.79	8.05E-08
Manizales	0.8	0.73	0.94	3.60E-03
Aranzazu	1.4	0.88	2.11	1.62E-01
AgeFirstMDD	1	0.99	1	2.36E-01
FamilyHistoryBD	1.8	1.47	2.23	2.00E-08
FamilyHistorySCZ	1.5	1.08	1.98	1.45E-02
FamilyHistoryMDD	0.9	0.81	1.11	5.01E-01
FamilyHistoryPsychosis	1.7	0.72	3.93	2.33E-01
FirstVisitAsMinor	1.3	1.03	1.52	2.41E-02
PreviousDX	0.9	0.75	1.02	8.30E-02
Delusions	1.3	1	1.58	4.71E-02
SuicideAttempt	1.2	1.03	1.44	2.05E-02
SuicidalIdeation	1.3	1.09	1.47	1.98E-03
UseAntipsychotics	1.5	1.21	1.82	1.76E-04
UseAntidepressants	0.8	0.7	0.91	1.21E-03
UseMoodStabilizers	2	1.73	2.33	2.31E-20
UseHypnotics	1.1	0.94	1.24	2.64E-01
UseHypothyroidMeds	0.7	0.43	1.31	3.06E-01
UseMarijuana	0.7	0.56	0.99	4.42E-02
UseTabacco	0.9	0.8	1.11	4.70E-01
UseAlcohol	1.3	1.08	1.5	3.95E-03
UseCocaine	0.9	0.65	1.35	7.34E-01
UseOtherDrugs	0.9	0.75	1.03	1.02E-01
ERVisitFirstMDD	2.2	1.62	2.86	1.47E-07
HospitalizedFirstMDD	1.4	1.2	1.71	8.49E-05
FirstMDDSevereNoPsychosis	1	0.89	1.22	6.23E-01
FirstMDDSevereWithPsychosis	1.9	1.46	2.41	7.08E-07

Supplementary Table 2. Associations of covariates to antidepressant use

Variable	logOR	logOR_SE	P-value
SexMale	0.032	0.049	5.10E-01
PreviousDX	1.153	0.072	5.08E-58
FirstVisitAsMinor	0.090	0.056	1.10E-01
ERVisitFirstMDD	0.361	0.131	5.92E-03
HospitalizedFirstMDD	-0.834	0.047	3.36E-71
FirstMDDSevereWithPsychosis	-1.136	0.103	2.55E-28
FirstMDDSevereNoPsychosis	-0.384	0.049	5.77E-15
UseAntipsychotics	-0.046	0.096	6.29E-01
UseMoodStabilizers	-0.082	0.068	2.31E-01
SuicideAttempt	-0.271	0.056	1.64E-06
SuicidalIdeation	0.061	0.052	2.44E-01
Delusions	-0.366	0.095	1.10E-04
FamilyHistoryBD	-0.137	0.114	2.31E-01
FamilyHistoryMDD	0.297	0.072	3.31E-05