

TABLES FOR ONLINE DATA SUPPLEMENT

Supplement Table 1. Change in odds of offending and service use outcomes after MAT initiation versus other outpatient substance abuse treatment, schizophrenia sub-sample (n=1,554)

	Jail			Any arrest			Felony arrest			Substance abuse hospitalization			Psychiatric hospitalization			Emergency department/Crisis			Psychiatric Medication Possession Ratio		
	O.R.	95% C.I.	p	O.R.	95% C.I.	p	O.R.	95% C.I.	p	O.R.	95% C.I.	p	O.R.	95% C.I.	p	O.R.	95% C.I.	p	O.R.	95% C.I.	p
Study group X time-period interaction	1.38	(1.04- 1.83)	0.024	0.91	(0.69- 1.20)	0.495	1.14	(0.59- 2.18)	0.698	0.88	(0.58- 1.33)	0.549	0.69	(0.48- 0.98)	0.038	0.80	(0.65- 0.98)	0.030	1.46	(1.10- 1.95)	0.009
Main effects																					
Study group‡	0.68	(0.53- 0.89)	0.004	0.91	(0.73- 1.13)	0.406	0.62	(0.38- 1.02)	0.059	3.02	(2.19- 4.16)	<.0001	1.75	(1.31- 2.34)	<.0001	1.97	(1.61- 2.41)	<.0001	0.63	(0.49- 0.82)	0.001
Time period‡	0.58	(0.49- 0.68)	<.0001	1.07	(0.86- 1.33)	0.572	1.90	(1.21- 2.99)	0.006	0.26	(0.16- 0.45)	<.0001	0.45	(0.34- 0.59)	<.0001	0.71	(0.58- 0.88)	0.001	0.85	(0.70- 1.05)	0.128

‡Models control for age, educational need, gender, primary psychiatric diagnosis, race/ethnicity, insurance (SSI, Medicaid), probation, service participation (residential, Assertive Community Treatment, outpatient mental health treatment, outpatient substance abuse treatment), medication possession ratio (prior month medication possession ratio of 80% or higher), time, and community tenure. Medication possession ratio outcome model excludes medication possession ratio covariate, includes only person-months when individuals were enrolled in Medicaid, and is restricted to individuals with any record of medication who were diagnosed with schizophrenia spectrum or bipolar disorder (n=1,035).

‡ MAT group = 1, COMP group = 0; Post-index-treatment period = 1, pre-index-treatment period = 0

Supplement Table 2. Change in odds of offending and service use outcomes after MAT initiation versus other outpatient substance abuse treatment, bipolar disorder sub-sample (n=1,551)

	Jail			Any arrest			Felony arrest			Substance abuse hospitalization			Psychiatric hospitalization 95%			Emergency department/Crisis 95%			Psychiatric Medication Possession Ratio 95%		
	O.R.	95% C.I.	p	O.R.	95% C.I.	p	O.R.	95% C.I.	p	O.R.	95% C.I.	p	O.R.	C.I.	p	O.R.	C.I.	p	O.R.	C.I.	p
Study group X time-period interaction	1.31	(0.94- 1.81)	0.107	0.98	(0.75- 1.26)	0.854	0.50	(0.29- 0.86)	0.012	0.98	(0.68- 1.41)	0.917	0.78	(0.53- 1.15)	0.212	0.93	(0.72- 1.21)	0.610	1.65	(1.21- 2.24)	0.002
Main effects																					
Study group‡	0.68	(0.51- 0.90)	0.007	0.96	(0.79- 1.17)	0.697	1.32	(0.92- 1.88)	0.133	2.40	(1.81- 3.17)	<.0001	1.75	(1.30- 2.35)	<.0001	1.59	(1.27- 1.99)	<.0001	0.86	(0.65- 1.15)	0.313
Time period‡	0.48	(0.41- 0.56)	<.0001	0.82	(0.65- 1.03)	0.094	1.73	(1.11- 2.70)	0.016	0.14	(0.09- 0.23)	<.0001	0.23	(0.15- 0.35)	<.0001	0.37	(0.29- 0.48)	<.0001	0.90	(0.70- 1.15)	0.398

‡Models control for age, educational need, gender, primary psychiatric diagnosis, race/ethnicity, insurance (SSI, Medicaid), probation, service participation (residential, Assertive Community Treatment, outpatient mental health treatment, outpatient substance abuse treatment), medication possession ratio (prior month medication possession ratio of 80% or higher), time, and community tenure. Medication possession ratio outcome model excludes medication possession ratio covariate, includes only person-months when individuals

‡ MAT group = 1, COMP group = 0; Post-index-treatment period = 1, pre-index-treatment period = 0

Supplement Table 3. Change in odds of offending and service use outcomes after MAT initiation versus other outpatient substance abuse treatment, by medication possession ratio status and primary psychiatric disorder

	Jail			Any arrest			Any felony arrest			Substance abuse hospitalization			Psychiatric hospitalization			Emergency department/Crisis		
	O.R.	95% C.I.	p	O.R.	95% C.I.	p	O.R.	95% C.I.	p	O.R.	95% C.I.	p	O.R.	95% C.I.	p	O.R.	95% C.I.	p
Sample: Schizophrenia/HIGH Medication Possession Ratio (n=405)																		
Study group X time-period interaction	0.95	(0.44- 2.04)	0.900	0.71	(0.36- 1.40)	0.323	1.04	(0.24- 4.45)	0.956	0.57	(0.19- 1.69)	0.313	0.49	(0.27- 0.91)	0.024	0.91	(0.61- 1.34)	0.621
Main effects																		
Study group‡	0.61	(0.38- 0.98)	0.042	1.12	(0.75- 1.68)	0.592	0.57	(0.21- 1.59)	0.283	3.06	(1.67- 5.61)	0.000	2.49	(1.55- 4.01)	0.000	2.02	(1.41- 2.89)	0.000
Time period‡	0.66	(0.45- 0.96)	0.029	0.83	(0.48- 1.46)	0.524	2.08	(0.75- 5.74)	0.159	0.13	(0.03- 0.56)	0.006	0.68	(0.42- 1.10)	0.118	0.88	(0.58- 1.32)	0.524
Sample: Schizophrenia/LOW Medication Possession Ratio (n=564)																		
Study group X time-period interaction	1.64	(1.13- 2.37)	0.009	1.05	(0.70- 1.56)	0.828	1.39	(0.56- 3.48)	0.477	0.92	(0.48- 1.75)	0.799	0.96	(0.58- 1.56)	0.855	0.89	(0.67- 1.19)	0.439
Main effects																		
Study group‡	0.65	(0.45- 0.93)	0.019	0.83	(0.59- 1.18)	0.301	0.57	(0.26- 1.22)	0.146	3.72	(2.10- 6.60)	<.0001	1.01	(0.66- 1.53)	0.979	1.94	(1.44- 2.60)	<.0001
Time period‡	0.44	(0.34- 0.57)	<.0001	1.07	(0.76- 1.51)	0.685	1.21	(0.59- 2.46)	0.608	0.38	(0.17- 0.86)	0.021	0.38	(0.26- 0.56)	<.0001	0.72	(0.53- 0.98)	0.037
Sample: Bipolar Disorder/HIGH Medication Possession Ratio (n=374)																		
Study group X time-period interaction	0.87	(0.47- 1.60)	0.653	0.70	(0.40- 1.20)	0.189	0.18	(0.05- 0.64)	0.008	0.66	(0.34- 1.28)	0.219	0.43	(0.24- 0.78)	0.005	0.60	(0.39- 0.91)	0.016
Main effects																		
Study group‡	0.67	(0.41- 1.07)	0.091	0.98	(0.67- 1.43)	0.908	2.14	(1.08- 4.22)	0.029	2.18	(1.33- 3.56)	0.002	1.71	(1.05- 2.78)	0.031	1.47	(1.03- 2.11)	0.036
Time period‡	0.44	(0.31- 0.64)	<.0001	0.76	(0.47- 1.23)	0.265	1.99	(0.76- 5.18)	0.159	0.16	(0.07- 0.39)	<.0001	0.46	(0.22- 0.97)	0.042	0.55	(0.33- 0.92)	0.022
Sample: Bipolar Disorder/LOW Medication Possession Ratio (n=532)																		
Study group X time-period interaction	1.65	(0.93- 2.92)	0.084	1.12	(0.75- 1.69)	0.575	0.94	(0.38- 2.33)	0.894	0.76	(0.43- 1.34)	0.347	1.25	(0.68- 2.29)	0.480	1.05	(0.70- 1.56)	0.820
Main effects																		
Study group‡	0.66	(0.43- 1.02)	0.064	0.93	(0.69- 1.26)	0.637	0.93	(0.51- 1.70)	0.819	3.10	(2.01- 4.79)	<.0001	1.66	(1.03- 2.68)	0.036	1.72	(1.18- 2.50)	0.005
Time period‡	0.38	(0.29- 0.51)	<.0001	0.65	(0.45- 0.95)	0.024	1.00	(0.48- 2.08)	0.994	0.27	(0.12- 0.61)	0.002	0.22	(0.12- 0.40)	<.0001	0.36	(0.25- 0.53)	<.0001

‡Models control for age, educational need, gender, race/ethnicity, insurance (SSI, Medicaid), probation, service utilization (residential treatment, Assertive Community Treatment, outpatient mental health treatment, outpatient substance abuse treatment), medication possession ratio, time, and community tenure.

‡ MAT group = 1, COMP group = 0; Post-index-treatment period = 1, pre-index-treatment period = 0