

Supplemental Materials

Table S1: List of Psychiatric Disorders and the Corresponding ICD-9-CM Codes	
Conditions	ICD-9-CM codes
Psychotic disorders	290.00-295.99, 296.24, 296.34, 297.00-298.09, 298.30-299.99 [except 299.00-299.19 and 299.80-299.89], and 310.00-310.99
Disruptive behavior disorders	309.30- 309.39, 312.00-312.49, 312.80-312.99, 313.81, and 314-314.99
Mood disorders	296.82, 301.12, 313.10-313.19, 296.2-296.23, 296.25-296.33, 296.34-296.39, 296.90-296.99, 300.40-300.49, 301.10-301.19, 311.00- 311.99, 296.00-296.19, 296.4-296.81, 296.89, 301.11, and 301.13
Tic disorders	307.20-307.29
Pervasive developmental disorders or mental retardation	299.00-299.19, 299.80-299.89, and 317.00-319.99
Other mental disorders	300.00-300.09, 300.20-300.39, 300.90-300.99, 307.00-307.99 [except 307.20-307.29], 308.00-308.99, 309.21, 309.81, 313.00-313.09, 313.20-313.29, and 315.00-315.99

Table S2 : Cox regression results for Metabolic adverse events using time varying antipsychotic exposure and lag exposure effects															
Parameter	30 days lag effect (Main analysis)			No lag effect			7 days lag effect			60 days lag effect			Liberal definition*		
	AHR	95% CI		AHR	95% CI		AHR	95% CI		AHR	95% CI		AHR	95% CI	
		Low	High		Low	High		Low	High		Low	High		Low	High
Exposure (Ref: No exposure)[®]															
Monotherapy	1.22	0.87	1.73	1.29	0.94	1.79	1.34	0.96	1.86	1.10	0.76	1.58			
Polypharmacy	1.72	0.73	4.04	2.34	0.85	6.47	1.92	0.69	5.30	1.28	0.57	2.89	1.06	0.62	1.83
Age group (Ref: 16-17 years)															
1-6 years	0.39	0.17	0.90	0.39	0.17	0.90	0.39	0.17	0.89	0.40	0.17	0.92	0.40	0.18	0.93
7-12 years	0.63	0.42	0.97	0.63	0.41	0.96	0.63	0.41	0.96	0.64	0.42	0.98	0.65	0.43	0.99
13-15 years	1.05	0.73	1.52	1.05	0.73	1.52	1.05	0.73	1.51	1.06	0.73	1.53	1.06	0.74	1.54
Gender (Ref: Male)															
Female	1.11	0.81	1.52	1.11	0.81	1.53	1.11	0.81	1.53	1.10	0.80	1.52	1.10	0.80	1.51
Region (Ref: Mid-west)															
East	1.28	0.88	1.86	1.27	0.87	1.86	1.27	0.87	1.86	1.28	0.88	1.86	1.28	0.88	1.86
South	0.88	0.58	1.34	0.89	0.58	1.35	0.89	0.58	1.35	0.88	0.58	1.34	0.88	0.57	1.33
West	0.55	0.31	0.97	0.55	0.31	0.97	0.55	0.31	0.97	0.55	0.31	0.96	0.55	0.31	0.96
Index year	1.05	0.97	1.14	1.05	0.97	1.14	1.05	0.97	1.14	1.05	0.97	1.14	1.05	0.97	1.14
Common Antipsychotic Provider (Ref: Pediatrician)															
Others	1.93	0.83	4.50	1.93	0.83	4.51	1.93	0.83	4.50	1.95	0.84	4.54	1.96	0.84	4.56
Psychiatrist	1.67	0.71	3.93	1.67	0.71	3.91	1.66	0.71	3.91	1.69	0.72	3.98	1.71	0.73	4.01
General Practice/ Family Practice	1.42	0.49	4.15	1.43	0.49	4.16	1.43	0.49	4.15	1.42	0.49	4.15	1.42	0.49	4.15
Psychologist	0.77	0.23	2.53	0.77	0.23	2.53	0.76	0.23	2.53	0.77	0.23	2.55	0.78	0.24	2.56
Missing	1.17	0.48	2.80	1.16	0.48	2.80	1.17	0.48	2.81	1.17	0.48	2.80	1.16	0.48	2.80
Any Psychiatric related hospitalization															
Yes	0.87	0.57	1.31	0.87	0.58	1.32	0.87	0.58	1.32	0.87	0.57	1.31	0.86	0.57	1.31

Mental Health (Ref: No)															
Psychotic disorder	1.32	0.71	2.48	1.32	0.71	2.47	1.32	0.70	2.47	1.33	0.71	2.50	1.34	0.72	2.51
ADHD	0.93	0.57	1.54	0.93	0.57	1.54	0.93	0.56	1.54	0.94	0.57	1.55	0.94	0.57	1.56
medications or Disruptive behavior disorder															
Antidepressants or Mood disorder	1.17	0.71	1.95	1.17	0.70	1.94	1.17	0.71	1.95	1.17	0.71	1.95	1.17	0.71	1.95
Antianxiety or Sedative/hypnotic	1.28	0.65	2.53	1.29	0.65	2.53	1.29	0.66	2.54	1.27	0.64	2.50	1.26	0.64	2.47
Other mental disorder (including tic disorder)	0.91	0.54	1.53	0.90	0.54	1.52	0.90	0.54	1.52	0.91	0.54	1.53	0.91	0.54	1.54
Pervasive developmental disorder	1.14	0.59	2.21	1.13	0.58	2.19	1.13	0.58	2.18	1.16	0.60	2.24	1.17	0.60	2.25
Mood stabilizers	1.01	0.65	1.59	1.01	0.64	1.58	1.01	0.65	1.59	1.02	0.65	1.60	1.02	0.65	1.60
No. of different categories of psychotropic medications taken (Ref: 0)															
1	0.88	0.58	1.33	0.87	0.57	1.33	0.87	0.57	1.33	0.88	0.58	1.34	0.88	0.58	1.34
>=2	0.92	0.50	1.71	0.92	0.50	1.70	0.91	0.49	1.69	0.93	0.50	1.73	0.94	0.51	1.74
No. of different categories of psychiatric disorders diagnosed (Ref: 0)															
1	1.17	0.69	1.99	1.17	0.69	1.99	1.17	0.69	1.99	1.17	0.69	1.98	1.17	0.69	1.98
2	1.00	0.47	2.14	1.00	0.47	2.14	1.00	0.47	2.14	1.00	0.47	2.13	0.99	0.46	2.12
3	1.33	0.45	3.93	1.33	0.45	3.92	1.33	0.45	3.92	1.32	0.45	3.90	1.31	0.45	3.88
>=4	1.12	0.22	5.55	1.12	0.23	5.59	1.13	0.23	5.60	1.09	0.22	5.43	1.07	0.22	5.35
Charlson comorbidity score (Ref: 0)															
1	1.35	0.86	2.13	1.35	0.86	2.13	1.35	0.86	2.13	1.34	0.85	2.11	1.33	0.85	2.10
>=2	2.74	1.00	7.54	2.72	0.99	7.49	2.72	0.99	7.49	2.79	1.01	7.68	2.81	1.02	7.75
Intragroup Comparison[#]	Pr > ChiSq			Pr > ChiSq			Pr > ChiSq			Pr > ChiSq					

Monotherapy vs Polypharmacy	0.4180	0.2469	0.4826	0.6880
<p>AHR=Adjusted Hazard Ratio * For the liberal definition, time before polypharmacy initiation was considered as monotherapy time and time afterwards was considered as polypharmacy time; @- For this analysis, monotherapy was used as the reference group. #- Wald test for equal coefficients</p>				

Table S3: Sensitivity analysis results of Cox regression results for Metabolic adverse events using time varying antipsychotic exposure and lag exposure effects by excluding patients with less than 14 days of overlap use

Parameter	30 days lag effect			No lag effect			7 days lag effect			60 days lag effect			Liberal definition*		
	AHR	95% CI Low High		AHR	95% CI Low High		AHR	95% CI Low High		AHR	95% CI Low High		AHR	95% CI Low High	
Exposure (Ref: No exposure)[@]															
Monotherapy	1.19	0.84	1.69	1.28	0.92	1.78	1.30	0.93	1.81	1.07	0.74	1.56			
Polypharmacy	1.14	0.35	3.68	2.04	0.64	6.54	1.74	0.54	5.59	0.78	0.24	2.53	1.02	0.51	2.02
Age group (Ref: 16-17 years)															
1-6 years	0.44	0.19	1.01	0.43	0.19	1.00	0.43	0.19	0.99	0.44	0.19	1.02	0.44	0.19	1.03
7-12 years	0.69	0.45	1.07	0.68	0.44	1.06	0.68	0.44	1.05	0.70	0.45	1.08	0.70	0.46	1.09
13-15 years	1.12	0.76	1.64	1.12	0.76	1.63	1.11	0.76	1.63	1.12	0.77	1.65	1.13	0.77	1.65
Gender (Ref: Male)															
Female	1.13	0.82	1.57	1.14	0.82	1.58	1.14	0.82	1.58	1.13	0.81	1.57	1.13	0.81	1.56
Region (Ref: Mid-west)															
East	1.19	0.81	1.77	1.19	0.80	1.77	1.19	0.80	1.77	1.20	0.81	1.78	1.20	0.81	1.78
South	0.90	0.59	1.38	0.90	0.59	1.38	0.90	0.59	1.38	0.90	0.59	1.37	0.90	0.59	1.37
West	0.52	0.29	0.93	0.52	0.29	0.94	0.52	0.29	0.94	0.52	0.29	0.93	0.52	0.29	0.93
Index year	1.04	0.96	1.13	1.04	0.96	1.13	1.04	0.96	1.13	1.04	0.96	1.13	1.04	0.96	1.13
Common Antipsychotic Provider (Ref: Pediatrician)															
Others	2.17	0.86	5.45	2.16	0.86	5.44	2.16	0.86	5.43	2.18	0.87	5.48	2.19	0.87	5.50
Psychiatrist	1.97	0.78	4.98	1.95	0.77	4.94	1.95	0.77	4.94	1.99	0.79	5.04	1.99	0.79	5.05

Antipsychotic polypharmacy and metabolic events

General Practice/ Family Practice	1.48	0.47	4.73	1.49	0.47	4.75	1.49	0.47	4.74	1.48	0.47	4.72	1.49	0.47	4.74
Psychologist	0.93	0.27	3.24	0.93	0.27	3.23	0.93	0.27	3.23	0.93	0.27	3.25	0.94	0.27	3.26
Missing	1.46	0.57	3.79	1.46	0.56	3.77	1.46	0.56	3.78	1.46	0.56	3.78	1.46	0.56	3.78
Any Psychiatric related hospitalization															
Yes	0.85	0.55	1.30	0.85	0.55	1.30	0.85	0.55	1.30	0.84	0.55	1.29	0.84	0.55	1.29
Mental Health (Ref: No)															
Psychotic disorder	1.29	0.67	2.47	1.28	0.67	2.46	1.28	0.67	2.45	1.30	0.68	2.50	1.30	0.68	2.50
ADHD medications or Disruptive behavior disorder	0.89	0.53	1.50	0.89	0.53	1.50	0.89	0.53	1.50	0.90	0.53	1.51	0.90	0.54	1.51
Antidepressants or Mood disorder	1.22	0.73	2.06	1.21	0.72	2.05	1.22	0.72	2.05	1.23	0.73	2.07	1.22	0.72	2.06
Antianxiety or Sedative/hypnotics	1.27	0.62	2.59	1.28	0.63	2.60	1.28	0.63	2.61	1.26	0.62	2.56	1.25	0.62	2.55
Other mental disorder (including tic disorder)	0.83	0.48	1.42	0.82	0.47	1.41	0.82	0.48	1.41	0.83	0.48	1.43	0.83	0.48	1.43
Pervasive developmental disorder	1.16	0.59	2.28	1.15	0.59	2.24	1.15	0.59	2.24	1.18	0.60	2.30	1.18	0.61	2.31
Mood stabilizers	1.08	0.68	1.72	1.07	0.67	1.70	1.07	0.67	1.71	1.08	0.68	1.73	1.08	0.68	1.72
No. of different categories of psychotropic medications taken (Ref: 0)															
1	0.79	0.52	1.22	0.79	0.52	1.22	0.79	0.52	1.21	0.80	0.52	1.22	0.80	0.52	1.23
>=2	0.79	0.42	1.49	0.80	0.42	1.50	0.79	0.42	1.49	0.80	0.43	1.51	0.81	0.43	1.52
No. of different categories of psychiatric disorders diagnosed (Ref: 0)															
1	1.28	0.74	2.21	1.28	0.74	2.21	1.28	0.74	2.21	1.27	0.73	2.21	1.27	0.73	2.21

2	1.08	0.48	2.39	1.08	0.49	2.41	1.08	0.49	2.41	1.07	0.48	2.38	1.07	0.48	2.39
3	1.63	0.52	5.05	1.64	0.53	5.08	1.63	0.53	5.07	1.62	0.52	5.03	1.62	0.52	5.03
>=4	1.55	0.29	8.15	1.57	0.30	8.27	1.57	0.30	8.28	1.51	0.29	7.97	1.51	0.29	7.93
Charlson comorbidity score (Ref: 0)															
1	1.36	0.85	2.16	1.36	0.86	2.17	1.36	0.86	2.18	1.35	0.85	2.15	1.35	0.85	2.15
>=2	3.11	1.13	8.57	3.05	1.11	8.42	3.06	1.11	8.42	3.19	1.16	8.77	3.18	1.15	8.77
Intragroup Comparison#	Pr > ChiSq			Pr > ChiSq			Pr > ChiSq			Pr > ChiSq					
Monotherapy vs Polypharmacy	0.9414			0.4274			0.6167			0.5820					
AHR=Adjusted Hazard Ratio															
* For the liberal definition, time before polypharmacy initiation was considered as monotherapy time and time afterwards was considered as polypharmacy time;															
@- For this analysis, monotherapy was used as the reference group. #- Wald test for equal coefficients															

Table S4: Cox Regression Model for Metabolic adverse events Using Time Varying Dose (No Use, Low Dose, High Dose) Definition and lag dose effect and sensitivity analysis by excluding patients with less than 14 days of overlap days

Parameter	All patients						Sensitivity analysis by excluding patients with <14 overlap days					
	No lag dose effect			Lag dose effect			No lag dose effect			Lag dose effect		
	AHR	95% CI		AHR	95% CI		AHR	95% CI		AHR	95% CI	
		Low	High		Low	High		Low	High		Low	High
Dose (Ref: No dose)												
Low dose	1.21	0.87	1.69	1.09	0.76	1.56	1.20	0.85	1.69	1.05	0.73	1.51
High dose	2.42	1.35	4.32	2.17	1.34	3.53	2.33	1.25	4.34	2.09	1.26	3.47
Age group (Ref: 16-17 years)												
1-6 years	0.39	0.17	0.89	0.38	0.17	0.88	0.43	0.19	0.99	0.43	0.19	0.99
7-12 years	0.62	0.41	0.94	0.61	0.40	0.93	0.67	0.44	1.04	0.67	0.43	1.03
13-15 years	1.06	0.73	1.53	1.06	0.74	1.53	1.12	0.77	1.64	1.13	0.77	1.65
Gender (Ref: Male)												
Female	1.12	0.82	1.55	1.12	0.82	1.54	1.15	0.83	1.59	1.15	0.83	1.59
Region (Ref: Mid-west)												
East	1.27	0.87	1.85	1.27	0.87	1.85	1.18	0.80	1.76	1.19	0.80	1.76
South	0.87	0.57	1.33	0.87	0.57	1.32	0.89	0.58	1.36	0.88	0.58	1.35
West	0.54	0.31	0.95	0.54	0.30	0.95	0.51	0.28	0.92	0.51	0.28	0.92
Index year	1.05	0.97	1.14	1.05	0.97	1.14	1.04	0.96	1.13	1.04	0.96	1.13
Common Antipsychotic Provider (Ref: Pediatrician)												
Others	1.16	0.81	1.66	1.16	0.81	1.66	2.12	0.84	5.34	2.11	0.84	5.31
Psychiatrist	0.61	0.26	1.44	0.62	0.26	1.45	1.92	0.76	4.87	1.91	0.75	4.84
General Practice/ Family Practice	0.86	0.41	1.82	0.86	0.41	1.82	1.47	0.46	4.69	1.45	0.46	4.63
Psychologist	0.47	0.19	1.17	0.47	0.19	1.17	0.92	0.27	3.22	0.92	0.26	3.21
Missing	0.70	0.44	1.12	0.70	0.44	1.12	1.44	0.56	3.74	1.43	0.55	3.71

Any Psychiatric related hospitalization												
Yes	0.87	0.57	1.31	0.86	0.57	1.30	0.84	0.55	1.29	0.84	0.54	1.28
Mental Health (Ref: No)												
Psychotic disorder	1.30	0.69	2.44	1.29	0.69	2.42	1.29	0.66	2.42	1.25	0.65	2.40
ADHD medications or Disruptive behavior disorder	0.93	0.57	1.54	0.94	0.57	1.55	0.89	0.53	1.50	0.90	0.54	1.51
Antidepressants or Mood disorder	1.18	0.71	1.95	1.18	0.71	1.96	1.22	0.72	2.05	1.23	0.73	2.07
Antianxiety or Sedative/hypnotics	1.25	0.63	2.46	1.24	0.63	2.45	1.25	0.61	2.54	1.24	0.61	2.52
Other mental disorder (including tic disorder)	0.90	0.54	1.52	0.91	0.54	1.53	0.81	0.47	1.40	0.82	0.48	1.41
Pervasive developmental disorder	1.15	0.60	2.23	1.16	0.60	2.25	1.17	0.60	2.28	1.18	0.61	2.31
Mood stabilizers	0.98	0.63	1.54	0.98	0.62	1.53	1.04	0.65	1.66	1.03	0.65	1.64
No. of different categories of psychotropic medications taken (Ref: 0)												
1	0.89	0.58	1.35	0.90	0.59	1.36	0.80	0.52	1.23	0.81	0.53	1.24
>=2	0.93	0.50	1.73	0.94	0.51	1.74	0.80	0.43	1.51	0.81	0.43	1.53
No. of different categories of psychiatric disorders diagnosed (Ref: 0)												
1	1.18	0.70	2.01	1.19	0.70	2.01	1.29	0.74	2.24	1.29	0.74	2.24
2	1.00	0.47	2.14	1.00	0.47	2.13	1.09	0.49	2.42	1.08	0.49	2.41
3	1.34	0.45	3.95	1.33	0.45	3.91	1.65	0.53	5.13	1.64	0.53	5.06
>=4	1.09	0.22	5.43	1.09	0.22	5.42	1.54	0.29	8.11	1.53	0.29	8.06
Charlson comorbidity score (Ref: 0)												
1	1.36	0.86	2.14	1.36	0.86	2.15	1.37	0.86	2.18	1.37	0.86	2.19
>=2	2.88	1.05	7.92	2.89	1.05	7.97	3.21	1.17	8.83	3.25	1.18	8.95
Intragroup comparison of Dose[#]	Pr > ChiSq			Pr > ChiSq			Pr > ChiSq			Pr > ChiSq		
Low dose vs High dose	0.0197			0.0030			0.0356			0.0049		

#- Wald test for equal coefficients

Table S5: Cox regression model for adverse outcome using time varying Exposure-dose definition (No use, Monotherapy-Low dose, Monotherapy-High dose, Polypharmacy-Any dose) and sensitivity analysis by excluding patients with less than 14 days of overlap use									
Parameter	All patients				Sensitivity analysis by excluding patients with <14 overlap days				
	Adjusted Hazard Ratio	95% CI		Pr > ChiSq	Adjusted Hazard Ratio	95% CI		Pr > ChiSq	
		Low	High			Low	High	q	
Exposure-dose (Ref: No use)									
Monotherapy-low dose	1.20	0.86	1.68	0.2791	1.203	0.853	1.695	0.2920	
Monotherapy-high dose	2.34	1.26	4.36	0.0073	2.177	1.111	4.267	0.0234	
Polypharmacy-any dose	2.34	0.85	6.46	0.1009	2.036	0.635	6.533	0.2319	
Age group (Ref: 16-17 years)									
1-6 years	0.39	0.17	0.89	0.0251	0.429	0.186	0.991	0.0477	
7-12 years	0.62	0.41	0.94	0.0250	0.675	0.437	1.043	0.0769	
13-15 years	1.06	0.73	1.53	0.7572	1.123	0.767	1.642	0.5512	
Gender (Ref: Male)									
Female	1.12	0.82	1.54	0.4767	1.146	0.826	1.59	0.4141	
Region (Ref: Mid-west)									
East	1.27	0.87	1.85	0.2195	1.183	0.797	1.757	0.4036	
South	0.87	0.57	1.33	0.5272	0.891	0.582	1.362	0.5932	
West	0.54	0.31	0.96	0.0342	0.514	0.285	0.926	0.0267	
Index year	1.05	0.97	1.14	0.2252	1.043	0.961	1.131	0.3131	
Common Antipsychotic Provider (Ref: Pediatrician)									

Others	1.90	0.81	4.42	0.1385	2.128	0.846	5.354	0.1085
Psychiatrist	1.63	0.69	3.83	0.2622	1.92	0.758	4.864	0.1691
General Practice/ Family Practice	1.41	0.48	4.12	0.5283	1.472	0.462	4.693	0.5132
Psychologist	0.76	0.23	2.51	0.6536	0.924	0.265	3.22	0.9008
Missing	1.15	0.48	2.77	0.7571	1.444	0.558	3.738	0.4492
Any Psychiatric related hospitalization								
Yes	0.87	0.57	1.31	0.499	0.843	0.55	1.294	0.4354
Mental Health (Ref: No)								
Psychotic disorder	1.30	0.69	2.43	0.4182	1.259	0.656	2.417	0.4887
ADHD medications or Disruptive behavior disorder	0.93	0.57	1.54	0.7873	0.889	0.529	1.494	0.6572
Antidepressants or Mood disorder	1.17	0.70	1.94	0.5478	1.213	0.719	2.047	0.4685
Antianxiety or Sedative/hypnotics	1.25	0.64	2.47	0.5148	1.254	0.615	2.557	0.5334
Other mental disorder (including tic disorder)	0.90	0.53	1.52	0.6893	0.813	0.471	1.401	0.4553
Pervasive developmental disorder	1.15	0.60	2.22	0.6782	1.164	0.596	2.273	0.6565
Mood stabilizers	0.98	0.62	1.54	0.9297	1.042	0.654	1.66	0.8634
No. of different categories of psychotropic medications taken (Ref: 0)								
1	0.89	0.58	1.35	0.5737	0.8	0.521	1.229	0.3083
>=2	0.94	0.51	1.73	0.8332	0.804	0.427	1.513	0.4985
No. of different categories of psychiatric disorders diagnosed (Ref: 0)								
1	1.18	0.70	2.01	0.5349	1.286	0.741	2.232	0.3709
2	1.01	0.47	2.15	0.9838	1.092	0.492	2.426	0.8288
3	1.34	0.46	3.96	0.5915	1.657	0.534	5.139	0.3819

>=4	1.10	0.22	5.46	0.9102	1.55	0.294	8.165	0.6051
Charlson comorbidity score (Ref: 0)								
1	1.36	0.86	2.15	0.1862	1.367	0.857	2.182	0.1891
>=2	2.81	1.02	7.75	0.0458	3.138	1.138	8.65	0.0271
Intragroup comparison of Exposure-dose[#]		Pr > ChiSq			Pr > ChiSq			
Monotherapy-Low dose vs Monotherapy-high dose		0.0347			0.0825			
Monotherapy-Low dose vs Polypharmacy-any dose		0.1970			0.3741			
Monotherapy-high dose vs Polypharmacy-any dose		0.9986			0.9195			
#- Wald test for equal coefficients								

Table S6: Cox Regression Model Using Time Varying Antipsychotic Type (Any FGA Use [Alone Or In Combination With SGA], SGA Only) Definition and sensitivity analysis by excluding patients with less than 14 overlap days									
Parameter	All Patients				Sensitivity analysis by excluding patients with <14 overlap days				
	Adjusted Hazard Ratio	95% CI		Pr > ChiSq	Adjusted Hazard Ratio	95% CI		Pr > Chi Sq	
		Low	High		Low	High			
Type of antipsychotic (Ref: No use)									
FGA (alone or with SGA)	0.89	0.12	6.45	0.9038	0.99	0.14	7.26	0.9929	
SGA only	1.33	0.96	1.83	0.0852	1.30	0.93	1.81	0.1234	
Age group (Ref: 16-17 years)									
1-6 years	0.39	0.17	0.90	0.0265	0.43	0.19	1.00	0.0491	
7-12 years	0.63	0.42	0.96	0.0332	0.69	0.44	1.06	0.0904	
13-15 years	1.05	0.73	1.52	0.7960	1.11	0.76	1.63	0.5793	
Gender (Ref: Male)									
Female	1.11	0.81	1.53	0.5171	1.14	0.82	1.58	0.4390	
Region (Ref: Mid-west)									
East	1.27	0.87	1.85	0.2127	1.19	0.80	1.77	0.3857	
South	0.89	0.58	1.35	0.5687	0.91	0.59	1.38	0.6443	
West	0.55	0.31	0.97	0.0374	0.52	0.29	0.94	0.0291	
Index year	1.05	0.97	1.14	0.2351	1.04	0.96	1.13	0.3159	
Common Antipsychotic Provider (Ref: Pediatrician)									
Others	1.94	0.83	4.52	0.1242	2.17	0.86	5.45	0.1005	
Psychiatrist	1.68	0.71	3.94	0.2348	1.96	0.77	4.96	0.1561	

General Practice/ Family Practice	1.42	0.49	4.15	0.5186	1.49	0.47	4.74	0.5032
Psychologist	0.76	0.23	2.52	0.6590	0.93	0.27	3.22	0.9028
Missing	1.17	0.49	2.81	0.7298	1.46	0.56	3.78	0.4346
Any Psychiatric related hospitalization								
Yes	0.87	0.58	1.31	0.5037	0.85	0.55	1.30	0.4405
Mental Health (Ref: No)								
Psychotic disorder	1.32	0.70	2.48	0.3873	1.28	0.67	2.45	0.4604
ADHD medications or Disruptive behavior disorder	0.93	0.56	1.54	0.7773	0.89	0.53	1.50	0.6561
Antidepressants or Mood disorder	1.17	0.71	1.95	0.5402	1.22	0.72	2.05	0.4616
Antianxiety or Sedative/hypnotics	1.29	0.65	2.53	0.4688	1.28	0.63	2.60	0.5006
Other mental disorder (including tic disorder)	0.91	0.54	1.53	0.7198	0.82	0.48	1.42	0.4855
Pervasive developmental disorder	1.13	0.58	2.19	0.7216	1.15	0.59	2.24	0.6911
Mood stabilizers	1.02	0.65	1.60	0.9364	1.07	0.68	1.71	0.7617
No. of different categories of psychotropic medications taken (Ref: 0)								
1	0.87	0.57	1.32	0.5131	0.79	0.51	1.21	0.2758
>=2	0.91	0.49	1.68	0.7622	0.79	0.42	1.48	0.4583
No. of different categories of psychiatric disorders diagnosed (Ref: 0)								
1	1.17	0.69	1.98	0.5623	1.28	0.74	2.21	0.3877
2	1.00	0.47	2.13	0.9891	1.08	0.49	2.40	0.8541
3	1.32	0.45	3.90	0.6143	1.63	0.52	5.06	0.3985
>=4	1.12	0.23	5.60	0.8877	1.57	0.30	8.30	0.5927

Charlson comorbidity score (Ref: 0)								
1	1.34	0.85	2.12	0.2031	1.36	0.85	2.17	0.1990
>=2	2.75	1.00	7.57	0.0499	3.09	1.12	8.50	0.0292
Intragroup comparison of type of antipsychotic[#]		Pr > ChiSq			Pr > ChiSq			
Any FGA vs SGA only		0.6890			0.7904			
#- Wald test for equal coefficients								

