Figure S1. Proportion of Medicaid-enrolled youth treated by a provider of interest[a] who filled at least one psychotropic medication prescription, by drug class and race.

[a]Child or adult psychiatric provider, pediatric provider, family medicine provider, or primary care physician assistant or nurse practitioner
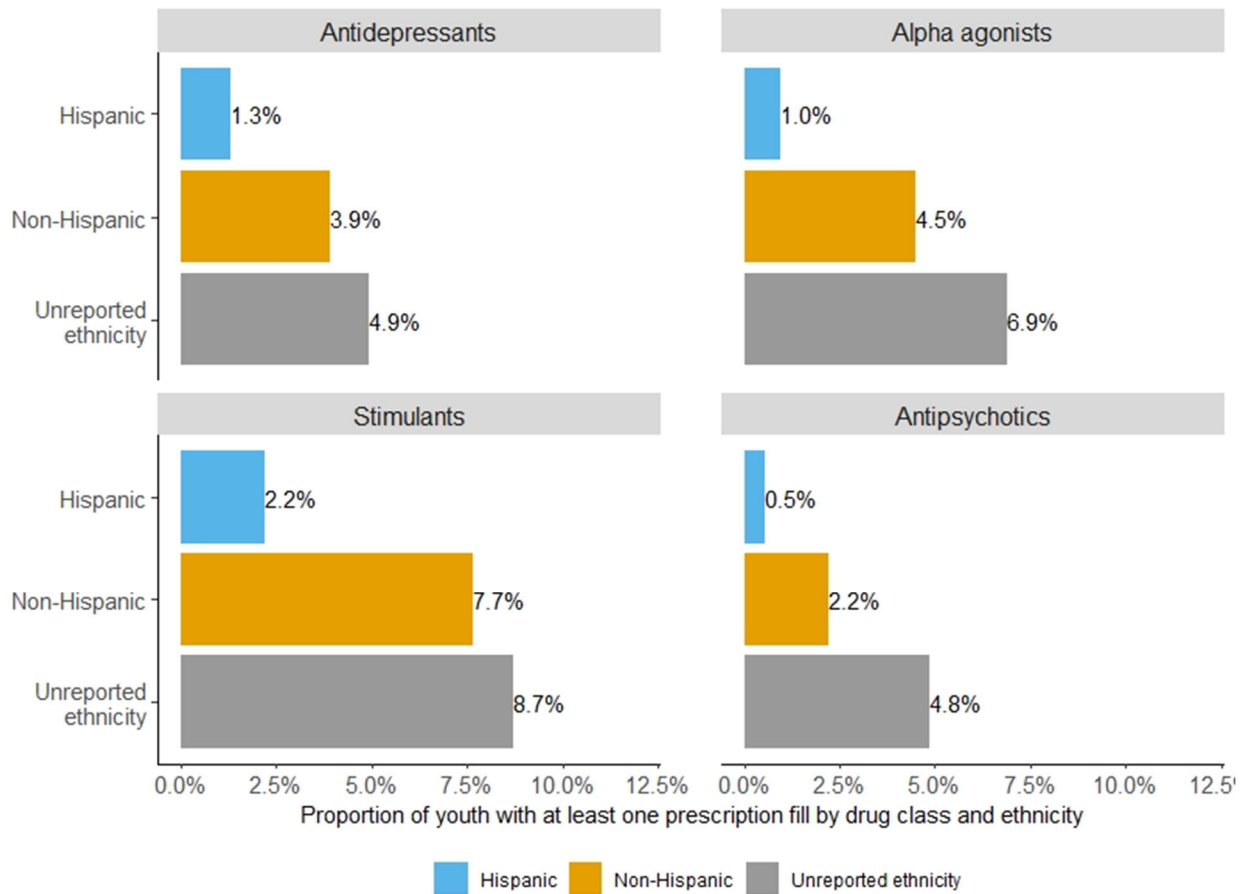
Figure S2. Proportion of Medicaid-enrolled youth treated by a provider of interest[a] who filled at least one psychotropic medication prescription, by drug class and ethnicity.

[a]Child or adult psychiatric provider, pediatric provider, family medicine provider, or primary care physician assistant or nurse practitioner

Table S1. Provider taxonomies included in the analysis.

Provider Specialty	Taxonomy identifier	Definition
Child Psychiatry	MD/DO Child and Adolescent Psychiatry – 2084P0804X	Psychiatry is defined as having specialized training/certification in psychiatry
Adult Psychiatry	MD/DO Psychiatry – 2084P0800X MD/DO Addiction Psychiatry – 2084P0802X NP, Psychiatric/Mental Health - 363LP0808X	Psychiatry is defined as having specialized training/certification in psychiatry
Pediatrics	MD/DO Pediatrics 208000000X NP Pediatrics - 363LP0200X NP Pediatrics, Critical Care - 363LP0222X NP School - 363LS0200X	Pediatrics is defined as having specialized training/certification in working with the pediatric population
Family Medicine	MD/DO Family Medicine 207Q00000X MD/DO General Practice 208D00000X	Family Medicine is defined having specialized training in family medicine
Physician Assistant Primary Care Provider	PA Physician Assistant 363A00000X	Non-pediatric and non-psychiatric specialty providers who provide primary care services

Nurse Practitioner Primary Care Provider	NP Acute Care - 363LA2100X NP Adult Health - 363LA2200X NP Community Health - 363LC1500X NP Critical Care Medicine - 363LC0200X NP Family - 363LF0000X NP Gerontology - 363LG0600X NP Obstetrics & Gynecology - 363LX0001X NP Occupational Health - 363LX0106X NP Perinatal - 363LP1700X NP Primary Care - 363LP2300X NP Women's Health - 363LW0102X	Non-pediatric and non-psychiatric specialty providers who provide primary care services

*If a provider had more than one taxonomy, we assigned the provider to the taxonomy with the highest assignment priority.

Table S2. Generic drug names included in the analysis by drug class.

Anti-Depressants (SSRIs/SNRIs/Other)
SSRIs
Citalopram
Escitalopram
Fluoxetine
Paroxetine
Sertraline
Fluvoxamine (Generic Name For Luvox, Faverin, And Fluvoxin)
SNRIs
Desvenlafaxine
Duloxetine
Pristiq
Venlafaxine
Levomilnaciparin (Generic name for Fetzima)
Other
Bupropion
Mirtazapine
Stimulants
D-amphetamine
Dexmethylphenidate
Dextroamp-amphet
Dextroamphetamine
Methamphetamine
Methylphenidate
Lisdexamphetamine (Generic name for Vyvanse)
Alpha Agonists
Clonidine

Guanfacine
Antipsychotics
Aripiprazole
Asenapine (Generic Name For Saphris And Sycrest)
Brexpiprazole (Generic Name For Rexulti)
Cariprazole (Generic Name For Vraylar)
Chlorpromazine
Clozapine
Droperidol (Generic Name For Inapsine)
Fluphenazine
Haloperidol
Iloperidone (Generic Name For Fanapt)
Loxapine
Lurasidone (Generic Name For Latuda)
Molindone (Generic Name For Moban)
Olanzapine, Odt
Olanzapine-fluoxetine (Generic Name For Symbyax)
Paliperidone
Perphenezine (Generic Name For Trilafon)
Pimozide
Prochlorperazine
Quetiapine Er, Fumarate
Risperidone
Thiothixene
Thioridiazine (Generic Name For Mellaril)
Trifluoperazine
Ziprasidone

Table S3. Unadjusted and adjusted risk ratios between variables and risk of filling psychotropic medication prescription

Predictor	Any psychotropic prescription		Antidepressant		Alpha agonist		Stimulant		Antipsychotic	
	RR (95% CI)	ARR (95% CI)	RR (95% CI)	ARR (95% CI)	RR (95% CI)	ARR (95% CI)	RR (95% CI)	ARR (95% CI)	RR (95% CI)	ARR (95% CI)
Age, years										
0-5	0.05 (0.05, 0.06)	0.06 (0.06, 0.06)	0.01 (0.01, 0.01)	0.01 (0.01, 0.01)	0.11 (0.10, 0.11)	0.13 (0.12, 0.13)	0.05 (0.05, 0.05)	0.05 (0.05, 0.06)	0.03 (0.03, 0.03)	0.04 (0.03, 0.04)
6-11	0.81 (0.80, 0.82)	0.85 (0.84, 0.86)	0.27 (0.26, 0.27)	0.28 (0.27, 0.29)	1.02 (1.00, 1.04)	1.10 (1.08, 1.12)	1.13 (1.11, 1.15)	1.17 (1.15, 1.19)	0.49 (0.47, 0.50)	0.54 (0.52, 0.56)
12-17	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
18-21	0.92 (0.90, 0.94)	0.88 (0.86, 0.89)	1.53 (1.50, 1.57)	1.40 (1.36, 1.43)	0.44 (0.42, 0.46)	0.41 (0.39, 0.43)	0.44 (0.42, 0.45)	0.43 (0.42, 0.45)	1.32 (1.27, 1.37)	1.14 (1.10, 1.19)
Sex										
Female	0.64 (0.63, 0.64)	0.66 (0.65, 0.67)	1.34 (1.31, 1.37)	1.31 (1.28, 1.34)	0.43 (0.42, 0.44)	0.48 (0.47, 0.49)	0.45 (0.45, 0.46)	0.48 (0.47, 0.49)	0.61 (0.60, 0.63)	0.70 (0.68, 0.72)
Male	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Race										
White	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Black	0.85 (0.83, 0.86)	0.61 (0.60, 0.62)	0.57 (0.55, 0.58)	0.40 (0.39, 0.41)	0.88 (0.86, 0.91)	0.61 (0.60, 0.63)	0.91 (0.89, 0.93)	0.67 (0.65, 0.68)	0.94 (0.91, 0.97)	0.63 (0.61, 0.66)

Predictor	Any psychotropic prescription		Antidepressant		Alpha agonist		Stimulant		Antipsychotic	
	RR (95% CI)	ARR (95% CI)	RR (95% CI)	ARR (95% CI)	RR (95% CI)	ARR (95% CI)	RR (95% CI)	ARR (95% CI)	RR (95% CI)	ARR (95% CI)
Asian	0.22 (0.20, 0.24)	0.20 (0.18, 0.22)	0.25 (0.22, 0.29)	0.25 (0.22, 0.29)	0.15 (0.12, 0.18)	0.14 (0.11, 0.17)	0.18 (0.16, 0.21)	0.16 (0.14, 0.19)	0.27 (0.22, 0.33)	0.29 (0.24, 0.36)
Native American	0.86 (0.82, 0.91)	0.73 (0.69, 0.77)	0.72 (0.65, 0.80)	0.62 (0.56, 0.69)	0.89 (0.82, 0.98)	0.74 (0.68, 0.81)	0.89 (0.83, 0.95)	0.75 (0.70, 0.80)	0.79 (0.69, 0.89)	0.65 (0.57, 0.73)
Hawaiian or Pacific Islander	0.54 (0.45, 0.66)	0.64 (0.53, 0.77)	0.53 (0.38, 0.73)	0.65 (0.47, 0.90)	0.59 (0.43, 0.79)	0.69 (0.51, 0.94)	0.50 (0.39, 0.64)	0.56 (0.44, 0.73)	0.40 (0.24, 0.65)	0.50 (0.31, 0.82)
Unreported race	0.62 (0.57, 0.68)	0.56 (0.51, 0.61)	0.59 (0.51, 0.69)	0.44 (0.38, 0.52)	0.53 (0.45, 0.62)	0.51 (0.44, 0.60)	0.52 (0.46, 0.59)	0.55 (0.48, 0.62)	0.83 (0.70, 1.00)	0.51 (0.42, 0.61)
Ethnicity										
Non-Hispanic	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Hispanic	0.32 (0.31, 0.32)	0.29 (0.28, 0.29)	0.34 (0.33, 0.35)	0.30 (0.29, 0.32)	0.21 (0.19, 0.24)	0.22 (0.21, 0.23)	0.30 (0.29, 0.31)	0.26 (0.25, 0.27)	0.25 (0.23, 0.26)	0.29 (0.27, 0.30)
Unreported ethnicity	1.32 (1.27, 1.37)	0.83 (0.79, 0.86)	1.31 (1.23, 1.41)	0.80 (0.74, 0.86)	1.53 (1.38, 1.70)	0.83 (0.78, 0.88)	1.19 (1.13, 1.25)	0.84 (0.80, 0.89)	2.22 (2.07, 2.38)	0.86 (0.80, 0.92)
County of residence										
Rural	1.01 (0.93, 1.10)	0.97 (0.92, 1.03)	0.89 (0.78, 1.02)	0.86 (0.80, 0.93)	1.02 (0.90, 1.15)	0.99 (0.90, 1.09)	1.02 (0.93, 1.12)	0.98 (0.91, 1.07)	1.02 (0.87, 1.20)	0.90 (0.81, 1.00)

Predictor	Any psychotropic prescription		Antidepressant		Alpha agonist		Stimulant		Antipsychotic	
	RR (95% CI)	ARR (95% CI)	RR (95% CI)	ARR (95% CI)	RR (95% CI)	ARR (95% CI)	RR (95% CI)	ARR (95% CI)	RR (95% CI)	ARR (95% CI)
Urban	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Medicaid eligibility program										
Blind/ disabled/ medically needy	3.73 (3.67, 3.80)	2.67 (2.63, 2.72)	3.82 (3.71, 3.94)	2.66 (2.58, 2.74)	6.09 (5.94, 6.25)	4.60 (4.48, 4.72)	2.96 (2.90, 3.03)	2.19 (2.14, 2.24)	10.55 10.22, 10.90)	6.95 (6.72, 7.19)
Income child	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.	Ref.
Foster care/adoption	3.66 (3.57, 3.75)	2.78 (2.71, 2.85)	3.99 (3.83, 4.16)	3.11 (2.99, 3.25)	5.98 (5.77, 6.19)	4.45 (4.30, 4.61)	3.44 (3.33, 3.55)	2.55 (2.47, 2.63)	8.68 (8.28, 9.10)	6.52 (6.21, 6.83)
Pregnant women	0.63 (0.46, 0.85)	0.54 (0.40, 0.73)	1.80 (1.30, 2.48)	0.54 (0.39, 0.75)	0.05 (0.01, 0.35)	0.29 (0.09, 0.99)	0.09 (0.04, 0.25)	0.27 (0.11, 0.64)	0.60 (0.25, 1.44)	0.36 (0.15, 0.83)
Other	0.26 (0.22, 0.30)	0.23 (0.20, 0.27)	0.44 (0.35, 0.54)	0.25 (0.20, 0.31)	0.12 (0.08, 0.18)	0.14 (0.09, 0.22)	0.12 (0.09, 0.17)	0.15 (0.11, 0.20)	0.55 (0.41, 0.74)	0.41 (0.31, 0.56)

Abbreviations: RR, unadjusted rate ratio; ARR, adjusted rate ratio; CI, confidence interval; Ref., reference group
All models include a random intercept for enrollee's county of residence. Adjusted models include all variables in the left column as covariates.