

Online Resource 1: Variable Definitions, Data Sources, and Measurement Periods Used in Multivariable Analyses

Article title:

Factors Associated with Follow-Up Mental Health Care After Psychiatric Hospitalization Among Medicaid-Enrolled Children and Youth

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Variable	Data Source	Definition	Time Period	Notes
Follow-up after hospitalization	Medicaid	At least one outpatient, intensive outpatient, or partial hospitalization visit with a mental health provider during the month following discharge from a psychiatric hospitalization.	Month following hospitalization	Adapted from Healthcare Effectiveness Data and Information Set (HEDIS) definition because only month/year of service were available.
Age group (18–24)	Medicaid	Child/youth aged 18–24 at time of hospitalization (reference: 0–17).	Index hospitalization	Binary indicator used in regression models to reflect transition-age youth. Additional age categories (0–5, 6–11, 12–17, and 18–24) were explored in descriptive analyses.
Sex	Medicaid	Male or female designation in Medicaid records.	Index hospitalization	
Race	Medicaid	White, Black, Asian American and Pacific Islander (AAPI), Another Race(s), or Unknown.	N/A	Race was assigned using the most recent available race record in the administrative data, regardless of whether the record occurred before or after the index hospitalization. This approach was used to maximize completeness and reflect improvements in race and ethnicity reporting over time.
Length of stay > 7 days	Medicaid	Psychiatric hospitalization lasting more than seven days.	Index hospitalization	

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Primary Diagnosis: Depressive, bipolar, or other mood disorder	Medicaid	Indicator that the first diagnosis code associated with the psychiatric hospitalization belonged to the depressive, bipolar, or other mood disorder subgroup.	Index hospitalization	Diagnostic subgroups were created using AHRQ Clinical Classifications Software Refined (CCSR) categories. Ten diagnostic subgroups were examined in descriptive and bivariate analyses; four were retained for multivariable modeling: depressive/bipolar/other mood disorder, anxiety/OCD/fear disorder, trauma or stressor disorder, and schizophrenia or psychotic disorder. See Online Resource 2.
Primary Diagnosis: Anxiety, OCD, or fear disorder	Medicaid	Indicator that the first diagnosis code associated with the psychiatric hospitalization belonged to the anxiety, OCD, or fear disorder subgroup.	Index hospitalization	See Online Resource 2 for diagnostic subgroup definitions.
Primary Diagnosis: Trauma or stressor disorder	Medicaid	Indicator that the first diagnosis code associated with the psychiatric hospitalization belonged to the trauma or stressor disorder subgroup.	Index hospitalization	See Online Resource 2 for diagnostic subgroup definitions.
Primary Diagnosis: Schizophrenia or psychotic disorder	Medicaid	Indicator that the first diagnosis code associated with the psychiatric hospitalization belonged to the schizophrenia or psychotic disorder subgroup.	Index hospitalization	See Online Resource 2 for diagnostic subgroup definitions.
Substance use	Medicaid	One or more substance-use-related claims.	Prior 12 months	
Pregnancy	Medicaid	Pregnancy identified using claims-based algorithm adapted from Ailes et al. (2023).	Prior 12 months	See Online Resource 3.

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Head of Household (HoH) substance use	Medicaid	HoH had at least one substance-use-related claim.	Prior 12 months	HoH identified through linked administrative household records.
HoH mental health service utilization	Medicaid	HoH had at least one mental-health-related claim.	Prior 12 months	HoH identified through linked administrative household records.
Supplemental Nutrition Assistance Program (SNAP) Receipt	Department of Human Services (DHS)	Receipt of SNAP benefits.	Month following hospitalization	
Temporary Assistance for Needy Families (TANF) Receipt	DHS	Receipt of TANF benefits.	Month following hospitalization	
Child welfare neglect	DCYF (Department of Children, Youth & Families)	Child/youth associated with at least one substantiated neglect allegation.	Prior calendar year	
Juvenile justice involvement	DCYF	Child/youth involved with the juvenile justice system.	Prior calendar year	
Unemployment Insurance (UI) wages reported	DLT (Department of Labor and Training)	Any UI-reportable quarterly wages for child/youth and/or HoH.	Quarter of hospitalization	
UI benefits receipt	DLT	Receipt of UI benefits by child/youth and/or HoH.	Quarter of hospitalization	

Note. Variables included in multivariable analyses are presented. Additional details regarding diagnostic subgroup definitions are provided in Online Resource 2. Additional details regarding pregnancy identification methodology are provided in Online Resource 3.

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Abbreviations

AAPI: Asian American and Pacific Islander

CCSR: Clinical Classifications Software Refined

DHS: Department of Human Services

DCYF: Department of Children, Youth & Families

DLT: Department of Labor and Training

HoH: Head of Household

SNAP: Supplemental Nutrition Assistance Program

TANF: Temporary Assistance for Needy Families

UI: Unemployment Insurance