

# **MENTAL HEALTH CLIENT-LEVEL DATA (MH-CLD), 2022:**

## **CODEBOOK**

Center for Behavioral Health Statistics and Quality  
Substance Abuse and Mental Health Services Administration

## **Mental Health Client-Level Data (MH-CLD), 2022: Public Use File (PUF) Codebook**

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### **Originating Office**

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## Mental Health Client-Level Data: 2022

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This codebook documents the Mental Health Client-Level Data (MH-CLD) for the 2022 reporting period. MH-CLD provides demographic and mental health characteristics for clients who have used mental health services in facilities that report to individual state administrative data systems. National mental health client-level data reporting was launched in 2011.

The general framework for the MH-CLD involves a compilation of the demographic, clinical, and outcome data of individuals served by the state mental health agency (SMHA) within a state-defined 12-month reporting period. States may choose the calendar year or the state fiscal year as their reporting period. *Individuals served* is defined as all enrolled individuals who received mental health and support services, including screening, assessment, crisis services, and telemedicine/telehealth, from programs operated or funded by the SMHA during the reporting period.

Two data sets are submitted each reporting period: Basic Client Information (BCI) is due December 1, and the State Hospital Readmission (SHR) data set is due March 1 of the following year. These two data sets inform five mental health national outcome measures (NOMs): access to services/capacity, stability in housing/residential status, 30-day and 180-day readmission to state hospital, adult employment or children's school attendance and education level, and criminal justice involvement. There are five additional NOMs—social connectedness, decreased mental illness symptomatology, perception of care, cost effectiveness, and use of evidence-based practices—that have not been converted into client-level data reporting and continue to be captured in the Uniform Reporting System (URS). Data are reported in accordance with the Health Insurance Portability and Accountability Act (HIPAA) rules for non-protected health information (non-PHI).

In 2010, the Substance Abuse and Mental Health Services Administration (SAMHSA), through the Center for Behavioral Health Statistics and Quality (CBHSQ), began a parallel effort of testing the feasibility of building a national behavioral health database that integrates both mental health and substance use data using a uniform platform for data reporting. This effort led to the integration of mental health data into the well-established system of reporting for substance use client-level data, known as the Treatment Episode Data Set (TEDS). To enable reporting of mental health client data to TEDS, the system was modified to incorporate data elements that capture the characteristics unique to the mental health services system and the individuals receiving mental health services. These characteristics include, among others, the extended period of time that an individual may be engaged in treatment, the recovery process, and the simultaneous receipt of different types of services from different service providers. This method of reporting mental health data at the individual level is referred to as the Mental Health Treatment Episode Data Set (MH-TEDS).

Unlike MH-CLD, MH-TEDS is structured around treatment events, that is, admissions and discharges from specific service settings. Admission and discharge records can be linked to track treatment episodes and the treatment services received by individuals. Thus, with MH-TEDS, both the individual client and the treatment episode can serve as a unit of analysis, whereas with MH-CLD the client is the sole unit of analysis. The common TEDS platform in which both the substance use and mental health data are reported enhances the ability to report data on people with co-occurring mental health and substance use disorders. It also offers optional data fields for individuals with mental illness that are not captured in MH-CLD, such as referral source, details on criminal justice referral, income sources, and health insurance.

## Data Collection

The data described in this codebook are derived from a reconciliation of the two reporting methods (MH-TEDS and MH-CLD), using individual clients as the unit of analysis. If you need copies of the Mental Health Client-Level Data State Instruction Manual and the Combined Substance Use and Mental Health Treatment Episode Data Set State Instruction Manual, please contact the BHSIS Office at [BHSIS\\_Outreach@hendall.com](mailto:BHSIS_Outreach@hendall.com).

### *Reconciling data from MH-TEDS and MH-CLD*

Both the MH-TEDS and MH-CLD include individuals served through SMHAs during the state-defined 12-month reporting period. Most states elect to use the state fiscal year, which usually runs from July 1 through June 30 of the following year; however, some states define their fiscal year differently. See the 2022 MH-CLD Annual Report for details.

MH-CLD contains one record for each individual served. Data items are populated by the states based on the status of the individual, either at the start and end of the state's reporting period, or the most recently available data. MH-TEDS contains one record for each admission to, and discharge from, a particular service type/setting (referred to as a treatment episode) within the client's treatment continuum during the reporting period. Data collected from MH-TEDS admission records and update/discharge records are stored as two separate data sets that are linked using a HIPAA-compliant, non-protected health information, unique client identifier located in both files. Linking the records allows for the creation of a single client record comparable to the MH-CLD format.

The process of creating an individual record using the MH-TEDS data allows for the reporting of these individuals in both the MH-TEDS and MH-CLD data sets. See the 2022 MH-CLD Annual Report for the full crosswalk between MH-TEDS and MH-CLD variable names.

## Confidentiality Protection

Several measures are taken to protect the confidentiality of all records. Variables that potentially identify an individual in their raw form undergo top- or bottom-coding. For example, age as a continuous variable has the potential to identify both the youngest and oldest participants in a public release file. For this reason, age is recoded for the public use file to reduce disclosure risk. All the variables recoded are documented in Appendix B.

Disclosure analysis is used to identify records that remained unique after routine recoding measures were taken to protect confidentiality. Disclosure analysis is used to discern combinations of indirect identifiers that potentially link an individual to a record. Particular attention was given to the analytic importance of geographic data and of subgroup populations. Subsequently, data swapping was applied to produce the public use file in order to satisfy stringent confidentiality standards while preserving its analytic value.

The original location of a record in MH-CLD cannot be known for certain due to the use of data swapping. This method has several benefits over other disclosure protection options: (1) the overall impact to the data is typically small; (2) nearly all the data are left intact; (3) data for special populations (e.g., minorities) are no more impacted than other data; (4) the procedures typically do not affect any analytic uses of the file; and (5) the procedures allow greater detail to remain on the public use file (e.g., the original ethnicity codes).

## Universe/Extract Dates

The universe for this MH-CLD public use file is the data received and processed through November 08, 2023. See the 2022 MH-CLD Annual Report for each state's reporting period.

## Coverage

Data in the MH-CLD—whether collected as BCI submitted by SMHAs or derived from MH-TEDS—is supposed to include only clients from providers receiving public funding. However, because each state or jurisdiction decides how to fund their different mental health services providers, there is no independent check on the actual sources of funding. Moreover, the number of clients in the facilities whose treatment is not publicly funded is unknown.

## Data Limitations

The MH-CLD, while providing valuable information about mental health service use, does not represent the total national demand for mental health treatment or describe the mental health status of the national population. The MH-CLD is a compilation of client-level data from facilities that operate under the authority of their state mental health administration. The scope of facilities from which the data is collected is affected by differences in state licensure, certification, accreditation, and disbursement of public funds. For example, some state mental health administrations regulate private facilities and individual practitioners, while others do not. Moreover, in some states, mental health services are provided in correctional facilities under the auspice of mental health agencies, while in other states they are not.

Up to three mental health diagnoses per individual can be reported to MH-TEDS or MH-CLD (mental health diagnoses one, two, and three). These diagnoses may not represent a complete enumeration of all diagnoses for individuals served. Furthermore, some individuals have no valid mental health diagnosis reported. If the missingness is not randomly distributed across facilities, estimated prevalence rates of the different mental health diseases may be biased.

## Created Variables

The MH-CLD file contains several variables created from the original variables submitted by the states. For example, a variable was created to indicate whether a given mental health diagnosis was reported in the first, second, or third diagnosis field. These are called flag variables and labeled according to the diagnosis, such as *anxietyflg* for the anxiety disorders flag variable, *adhdflg* for the attention deficit/hyperactivity disorder (ADHD) flag, etc.

## Contents of Public Use File

The MH-CLD public use file contains minimum and supplemental data from states that report MH-CLD and MH-TEDS data plus the Commonwealth of the Northern Mariana Islands, the Republic of Palau, Puerto Rico, and the District of Columbia. See the State Exclusions section of this codebook for the list of states and other jurisdictions in each year that did not report sufficient data.

The MH-CLD public use files are provided in SAS, SPSS, Stata, R, and ASCII comma-delimited formats.

## **User Responsibility**

Users are reminded that the data are to be used solely for statistical analysis and reporting of aggregated information and not for investigation or identification of specific individuals or organizations.

## State Exclusions

The following states did not report sufficient data and are excluded from the given year.

Year	States
2022	American Samoa, Federated States of Micronesia, Guam, Maine, Marshall Islands, U.S. Virgin Islands



# **VARIABLE DESCRIPTIONS AND FREQUENCIES**

## **CASEID: Case identification number**

Program generated case (record) identifier.

A frequency distribution of this variable is not shown; each case has a unique value generated for identification purposes.

Width: 11; Decimal: 0

Variable type: Numeric

## YEAR: Reporting period

Indicates the end year of the state-defined reporting period. Such state-defined reporting periods, while generally encompassing the fiscal year July 1–June 30 of the corresponding calendar year, may also be defined on an October–September fiscal year, a lagged fiscal year, or both.

Value	Label	Frequency	%
2022	2022	6,957,919	100%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 4; Decimal: 0  
Variable type: Numeric

## AGE: Age (recoded)

Calculated from the client's date of birth at midpoint of the state's elected reporting period.

Value	Label	Frequency	%
1	0-11 years	821,837	11.8%
2	12-14 years	507,579	7.3%
3	15-17 years	524,220	7.5%
4	18-20 years	350,683	5.0%
5	21-24 years	419,311	6.0%
6	25-29 years	609,496	8.8%
7	30-34 years	647,394	9.3%
8	35-39 years	568,037	8.2%
9	40-44 years	492,488	7.1%
10	45-49 years	403,167	5.8%
11	50-54 years	420,415	6.0%
12	55-59 years	421,036	6.1%
13	60-64 years	352,137	5.1%
14	65 years and older	412,055	5.9%
-9	Missing/unknown/not collected/invalid	8,064	0.1%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## EDUC: Education

Specifies the school grade level of three sub-populations of clients, as follows:

- Current grade level for school-age children who attended school at any time in the past three months.
- Highest grade level completed for school-age children who have not attended school at any time within the past three months.
- Highest educational attainment for all adult clients, whether currently in school or not.

Value	Label	Frequency	%
1	Special education	35,798	0.5%
2	0 to 8	833,673	12.0%
3	9 to 11	620,704	8.9%
4	12 (or GED)	1,269,588	18.2%
5	More than 12	643,229	9.2%
-9	Missing/unknown/not collected/invalid	3,554,927	51.1%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## ETHNIC: Hispanic or Latino origin (ethnicity)

Identifies whether or not the client is of Hispanic or Latino origin. Report the most recent available information for ethnicity at the end of the reporting period.

- Mexican: Of Mexican origin, regardless of race.
- Puerto Rican: Of Puerto Rican origin, regardless of race.
- Other Hispanic or Latino origin: Of known Central or South American or any other Spanish cultural origin (including Spain), other than Puerto Rican or Mexican, regardless of race. Includes clients of Hispanic or Latino origin whose specific origin is not known or not specified.
- Not of Hispanic or Latino origin.

Value	Label	Frequency	%
1	Mexican	50,424	0.7%
2	Puerto Rican	30,133	0.4%
3	Other Hispanic or Latino origin	1,213,556	17.4%
4	Not of Hispanic or Latino origin	4,665,950	67.1%
-9	Missing/unknown/not collected/invalid	997,856	14.3%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## RACE: Race

Specifies the client's most recent reported race at the end of the reporting period.

- American Indian/Alaska Native: A person having origins in any of the original people of North America and South America (including Central America) and who maintain tribal affiliation or community attachment.
- Asian: A person having origins in any of the following people of the Far East, the Indian subcontinent, or Southeast Asia, including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand, and Vietnam.
- Black or African American: A person having origins in any of the Black racial groups of Africa.
- Native Hawaiian or Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.
- White: A person having origins in any of the original people of Europe, the Middle East, or North Africa.
- Some other race alone/two or more races combines:
  - Some other race alone: Use this category for instances in which the client does not identify with any category above or whose origin group, because of area custom, is regarded as a racial class distinct from the above categories (do not use this category for clients indicating multiple or mixed races).
  - Two or more races: Use this code when the state data system allows multiple race selection and more than one race is indicated.

Value	Label	Frequency	%
1	American Indian/Alaska Native	137,225	2.0%
2	Asian	100,417	1.4%
3	Black or African American	1,184,756	17.0%
4	Native Hawaiian or Other Pacific Islander	21,768	0.3%
5	White	3,976,917	57.2%
6	Some other race alone/two or more races	695,745	10.0%
-9	Missing/unknown/not collected/invalid	841,091	12.1%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## GENDER: Sex

Identifies the client's most recent reported sex at the end of the reporting period.

Value	Label	Frequency	%
1	Male	3,238,609	46.5%
2	Female	3,703,705	53.2%
-9	Missing/unknown/not collected/invalid	15,605	0.2%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric



## SPHSERVICE: State psychiatric hospital services

This field identifies whether a client received services from any SMHA-funded and SMHA-operated organizations operated as hospitals that provide primarily inpatient care to persons with mental illnesses from a specific geographical area and/or statewide.

Value	Label	Frequency	%
1	Served in a state psychiatric hospital	118,008	1.7%
2	Not served in a state psychiatric hospital	6,839,911	98.3%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## CMPSERVICE: SMHA-funded/operated community-based program

This field identifies whether a client received services from any Community Mental Health Centers (CMHCs), outpatient clinics, partial care organizations, partial hospitalization programs, Program of Assertive Community Treatment (PACT) programs, consumer run programs (including Club Houses and drop-in centers), and all community support programs (CSP).

Value	Label	Frequency	%
1	Served in SMHA-funded/operated community-based program	6,751,924	97.0%
2	Not served in SMHA-funded/operated community-based program	205,995	3.0%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## OPISERVICE: Other psychiatric inpatient

This field identifies whether a client received services from a private provider or medical provider licensed and/or contracted through the SMHA.

Value	Label	Frequency	%
1	Served in 'other psychiatric inpatient center'	302,416	4.3%
2	Not served in 'other psychiatric inpatient center'	6,655,503	95.7%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## RTCSERVICE: Residential treatment center

This field identifies whether a client received services from an organization not licensed as a psychiatric hospital, the primary purpose of which is the provision of individually planned programs of mental health treatment services in conjunction with residential care for children and youth, and in some cases, adult care.

Value	Label	Frequency	%
1	Served in a residential treatment center	71,328	1.0%
2	Not served in a residential treatment center	6,886,591	99.0%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## IJSSERVICE: Institutions under the justice system

This field identifies whether a client received mental health services in a jail, prison, juvenile detention center, etc.

Value	Label	Frequency	%
1	Served by an institution under the justice system	60,551	0.9%
2	Not served by any institution under the justice system	6,897,368	99.1%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## MH1: Mental health diagnosis one

Specifies the client's current first mental health diagnosis during the reporting period.

Value	Label	Frequency	%
1	Trauma- and stressor-related disorders	934,642	13.4%
2	Anxiety disorders	890,929	12.8%
3	Attention deficit/hyperactivity disorder (ADHD)	392,393	5.6%
4	Conduct disorders	61,726	0.9%
5	Delirium/dementia disorders	16,216	0.2%
6	Bipolar disorders	579,510	8.3%
7	Depressive disorders	1,433,443	20.6%
8	Oppositional defiant disorders	76,569	1.1%
9	Pervasive developmental disorders	68,282	1.0%
10	Personality disorders	47,741	0.7%
11	Schizophrenia or other psychotic disorders	662,497	9.5%
12	Alcohol or substance use disorders	236,450	3.4%
13	Other disorders/conditions	499,300	7.2%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	1,058,221	15.2%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## MH2: Mental health diagnosis two

Specifies the client's current second mental health diagnosis during the reporting period.

Value	Label	Frequency	%
1	Trauma- and stressor-related disorders	332,512	4.8%
2	Anxiety disorders	648,743	9.3%
3	Attention deficit/hyperactivity disorder (ADHD)	173,723	2.5%
4	Conduct disorders	24,678	0.4%
5	Delirium/dementia disorders	8,737	0.1%
6	Bipolar disorders	90,730	1.3%
7	Depressive disorders	344,609	5.0%
8	Oppositional defiant disorders	54,463	0.8%
9	Pervasive developmental disorders	31,670	0.5%
10	Personality disorders	72,528	1.0%
11	Schizophrenia or other psychotic disorders	64,975	0.9%
12	Alcohol or substance use disorders	93,840	1.3%
13	Other disorders/conditions	299,461	4.3%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	4,717,250	67.8%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

### MH3: Mental health diagnosis three

Specifies the client's current third mental health diagnosis during the reporting period.

Value	Label	Frequency	%
1	Trauma- and stressor-related disorders	110,796	1.6%
2	Anxiety disorders	130,307	1.9%
3	Attention deficit/hyperactivity disorder (ADHD)	65,059	0.9%
4	Conduct disorders	9,177	0.1%
5	Delirium/dementia disorders	2,257	0.0%
6	Bipolar disorders	23,904	0.3%
7	Depressive disorders	73,243	1.1%
8	Oppositional defiant disorders	17,261	0.2%
9	Pervasive developmental disorders	10,949	0.2%
10	Personality disorders	39,687	0.6%
11	Schizophrenia or other psychotic disorders	13,752	0.2%
12	Alcohol or substance use disorders	28,639	0.4%
13	Other disorders/conditions	81,697	1.2%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	6,351,191	91.3%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric



## SUB: Substance use diagnosis

Specifies the client's substance use diagnosis that is current during the reporting period. The state should report the most recent substance use diagnosis.

Value	Label	Frequency	%
1	Alcohol-induced disorder	10,828	0.2%
2	Alcohol intoxication	12,659	0.2%
3	Substance-induced disorder	40,340	0.6%
4	Alcohol dependence	189,593	2.7%
5	Cocaine dependence	26,209	0.4%
6	Cannabis dependence	88,694	1.3%
7	Opioid dependence	140,296	2.0%
8	Other substance dependence	174,203	2.5%
9	Alcohol abuse	65,811	0.9%
10	Cocaine abuse	11,800	0.2%
11	Cannabis abuse	84,631	1.2%
12	Opioid abuse	16,304	0.2%
13	Other substance related conditions	58,136	0.8%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	6,038,415	86.8%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## MARSTAT: Marital status

Identifies the client's marital status.

- Never married: Includes clients who are single or whose only marriage was annulled.
- Now married: Includes married couples, those living together as married, living with partners, or cohabitating.
- Separated: Includes those legally separated or otherwise absent from spouse because of marital discord.
- Divorced, widowed.

Value	Label	Frequency	%
1	Never married	3,101,239	44.6%
2	Now married	423,732	6.1%
3	Separated	155,609	2.2%
4	Divorced, widowed	456,681	6.6%
-9	Missing/unknown/not collected/invalid	2,820,658	40.5%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## SMISED: SMI/SED status

Indicates whether the client has serious mental illness (SMI) or serious emotional disturbance (SED) using the state definition. Use the most recent available status at the end of the reporting period.

Value	Label	Frequency	%
1	SMI	3,548,112	51.0%
2	SED and/or at risk for SED	1,275,346	18.3%
3	Not SMI/SED	1,697,227	24.4%
-9	Missing/unknown/not collected/invalid	437,234	6.3%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## SAP: Substance use problem

Specifies the client's substance use problem based on a substance use diagnosis and/or using other identification method such as substance use screening results, enrollment in a substance use program, substance use survey, service claims information, or other related sources of data.

Value	Label	Frequency	%
1	Yes	2,373,613	34.1%
2	No	3,948,460	56.7%
-9	Missing/unknown/not collected/invalid	635,846	9.1%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## EMPLOY: Competitive employment status (aged 16 years and older) at discharge or end of the reporting period

Specifies the client's employment status at discharge (for new clients) or the most recent available employment status at the end of the reporting period (for continuing clients). This data element is reported for all clients (16 years old and over) who are receiving services in non-institutional setting. Institutional settings include correctional facilities like prison, jail, detention centers, and mental health care facilities like state hospitals, other psychiatric inpatient facilities, nursing homes, or other institutions that keep a person, otherwise able, from entering the labor force.

- Full-time: Use state definition for full time employment; includes members of the Armed Forces, and clients in full-time Supported Employment.
- Part-time: Use state definition for part time; includes clients in part-time Supported Employment.
- Employed full-time/part-time not differentiated (temporary code).
- Unemployed: Defined as actively looking for work or laid off from job (and awaiting to be recalled) in the past 30 days.
- Not in labor force: Defined as not employed and not actively looking for work during the past 30 days (i.e. people not interested to work or people who have been discouraged to look for work).

Value	Label	Frequency	%
1	Full-time	380,315	5.5%
2	Part-time	221,903	3.2%
3	Employed full-time/part-time not differentiated	131,610	1.9%
4	Unemployed	809,796	11.6%
5	Not in labor force	1,185,200	17.0%
-9	Missing/unknown/not collected/invalid	4,229,095	60.8%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## DETNLF: Detailed 'not in labor force' category

This field gives more detailed information about those clients who are coded as 'not in labor force' for employment status (EMPLOY).

Value	Label	Frequency	%
1	Retired, disabled	511,225	7.3%
2	Student	217,139	3.1%
3	Homemaker	40,336	0.6%
4	Sheltered/non-competitive employment	9,538	0.1%
5	Other	406,962	5.8%
-9	Missing/unknown/not collected/invalid	5,772,719	83.0%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## VETERAN: Veteran status

This field specifies whether the client has served in the uniform services (Army, Navy, Air Force, Marine Corps, Coast Guard, Public Health Service Commissioned Corps, Coast and Geodetic Survey, etc.)

Guidelines: A veteran is a person 16 years or over who has served (even for a short time), but is not now serving, on active duty in the U.S. Army, Navy, Air Force, Marine Corps, Coast Guard, or Commissioner Corps of the U.S. Public Health Service or the National Oceanic and Atmospheric Administration, or who served as a Merchant Marine seaman during World War II. Individuals who served in the National Guard or Military Reserves are classified as veterans only if they have ever been called or ordered to active duty (excluding the 4-6 months of initial training and yearly summer camps).

Value	Label	Frequency	%
1	Yes	106,261	1.5%
2	No	2,823,496	40.6%
-9	Missing/unknown/not collected/invalid	4,028,162	57.9%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## LIVARAG: Residential status - at discharge or end of reporting period

Specifies client's residential status at time of discharge or end of reporting period (continuing clients).

- Experiencing homelessness: Person has no fixed address; includes homeless, shelters.
- Private residence: Includes independent living adults, dependent living adults (adult clients living in a house, apartment, or other similar dwellings and are heavily dependent on others for daily living assistance), and children living in a private residence, regardless of living arrangement.
- Other: Clients living in a foster home or a care center, residential care facility, crisis residence, institutional care facility, jail and/or correctional facility, or other residential status.

Value	Label	Frequency	%
1	Experiencing Homelessness	186,246	2.7%
2	Private residence	3,775,061	54.3%
3	Other	384,034	5.5%
-9	Missing/unknown/not collected/invalid	2,612,578	37.5%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric



## NUMMHS: Number of mental health diagnoses reported

Calculates the number of valid mental health diagnoses (maximum of three) that are reported for each client. For instance, the value of this variable will be 3 if nonmissing values are provided for all three mental health diagnoses (MH1, MH2, and MH3).

Value	Label	Frequency	%
0	0	1,058,221	15.2%
1	1	3,659,028	52.6%
2	2	1,633,943	23.5%
3	3	606,727	8.7%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0  
Variable type: Numeric

## TRAUSTREFLG: Trauma- or stressor-related disorder reported

Flag records if a trauma- or stressor-related disorder was reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	5,579,969	80.2%
1	Disorder reported	1,377,950	19.8%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## ANXIETYFLG: Anxiety disorder reported

Flag records if an anxiety disorder was reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	5,287,940	76.0%
1	Disorder reported	1,669,979	24.0%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## ADHDFLG: Attention deficit/hyperactivity disorder reported

Flag records if attention deficit/hyperactivity disorder was reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,326,744	90.9%
1	Disorder reported	631,175	9.1%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## CONDUCTFLG: Conduct disorder reported

Flag records if a conduct disorder was reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,862,338	98.6%
1	Disorder reported	95,581	1.4%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## DELIRDEMFLG: Delirium/dementia disorder reported

Flag records if delirium/dementia disorder was reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,930,709	99.6%
1	Disorder reported	27,210	0.4%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## BIPOLARFLG: Bipolar disorder reported

Flag records if a bipolar disorder was reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,263,775	90.0%
1	Disorder reported	694,144	10.0%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## DEPRESSFLG: Depressive disorder reported

Flag records if a depressive disorder was reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	5,106,624	73.4%
1	Disorder reported	1,851,295	26.6%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric



## ODDFLG: Oppositional defiant disorder reported

Flag records if oppositional defiant disorder was reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,809,626	97.9%
1	Disorder reported	148,293	2.1%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## PDDFLG: Pervasive developmental disorder reported

Flag records if a pervasive developmental disorder was reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,847,018	98.4%
1	Disorder reported	110,901	1.6%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## PERSONFLG: Personality disorder reported

Flag records if a personality disorder was reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,797,963	97.7%
1	Disorder reported	159,956	2.3%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## SCHIZOFLG: Schizophrenia or other psychotic disorder reported

Flag records if schizophrenia or other psychotic disorders were reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,216,695	89.3%
1	Disorder reported	741,224	10.7%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## ALCSUBFLG: Alcohol or substance-related disorder reported

Flag records if an alcohol or substance use disorder was reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,598,990	94.8%
1	Disorder reported	358,929	5.2%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## OTHERDISFLG: Other mental disorder reported

Flag records if other mental disorders were reported in the first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,077,580	87.3%
1	Disorder reported	880,339	12.7%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## STATEFIP: Reporting state code

Identifies the reporting state.

Value	Label	Frequency	%
1	Alabama	93,151	1.3%
2	Alaska	9,438	0.1%
4	Arizona	425,114	6.1%
5	Arkansas	72,266	1.0%
6	California	597,994	8.6%
8	Colorado	131,515	1.9%
9	Connecticut	93,897	1.3%
10	Delaware	16,197	0.2%
11	District of Columbia	42,065	0.6%
12	Florida	346,085	5.0%
13	Georgia	124,391	1.8%
15	Hawaii	9,209	0.1%
16	Idaho	15,178	0.2%
17	Illinois	27,315	0.4%
18	Indiana	144,125	2.1%
19	Iowa	309,212	4.4%
20	Kansas	56,420	0.8%
21	Kentucky	150,362	2.2%
22	Louisiana	43,741	0.6%
24	Maryland	239,527	3.4%
25	Massachusetts	24,382	0.4%
26	Michigan	283,778	4.1%
27	Minnesota	345,102	5.0%
28	Mississippi	112,267	1.6%
29	Missouri	75,307	1.1%
30	Montana	80,222	1.2%
31	Nebraska	22,277	0.3%
32	Nevada	18,398	0.3%
33	New Hampshire	44,432	0.6%
34	New Jersey	410,173	5.9%
35	New Mexico	214,352	3.1%
36	New York	48,115	0.7%
37	North Carolina	96,501	1.4%
38	North Dakota	11,718	0.2%
39	Ohio	74,431	1.1%
40	Oklahoma	117,894	1.7%
41	Oregon	171,650	2.5%
42	Pennsylvania	536,139	7.7%
44	Rhode Island	34,385	0.5%
45	South Carolina	98,369	1.4%

## STATEFIP: Reporting state code

Identifies the reporting state.

Value	Label	Frequency	%
46	South Dakota	18,859	0.3%
47	Tennessee	80,776	1.2%
48	Texas	443,826	6.4%
49	Utah	59,991	0.9%
50	Vermont	27,314	0.4%
51	Virginia	123,936	1.8%
53	Washington	333,075	4.8%
54	West Virginia	14,924	0.2%
55	Wisconsin	70,546	1.0%
56	Wyoming	14,072	0.2%
72	Puerto Rico	2,653	0.0%
99	Other jurisdictions	853	0.0%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric



## DIVISION: Census division

Census divisions are groupings of states that are subdivisions of the four Census regions. There are nine divisions, which the Census Bureau adopted in 1910 for the presentation of data. Also included are other jurisdictions as a tenth category. The divisions, and the states and other jurisdictions included in them, are:

- Other jurisdictions: Puerto Rico, Republic of Palau, and the Commonwealth of the Northern Mariana Islands.
- New England: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.
- Middle Atlantic: New Jersey, New York, and Pennsylvania.
- East North Central: Illinois, Indiana, Michigan, Ohio, and Wisconsin.
- West North Central: Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota.
- South Atlantic: Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, and West Virginia.
- East South Central: Alabama, Kentucky, Mississippi, and Tennessee.
- West South Central: Arkansas, Louisiana, Oklahoma, and Texas.
- Mountain: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming.
- Pacific: Alaska, California, Hawaii, Oregon, and Washington.

Value	Label	Frequency	%
0	Other jurisdictions	3,506	0.1%
1	New England	224,410	3.2%
2	Middle Atlantic	994,427	14.3%
3	East North Central	600,195	8.6%
4	West North Central	838,895	12.1%
5	South Atlantic	1,101,995	15.8%
6	East South Central	436,556	6.3%
7	West South Central	677,727	9.7%
8	Mountain	958,842	13.8%
9	Pacific	1,121,366	16.1%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

## REGION: Census region

Geographic regions are based on divisions used by the U.S. Census Bureau, with the addition of other jurisdictions, which are not included in any Census region:

- Other jurisdictions: Puerto Rico, Republic of Palau, and the Commonwealth of the Northern Mariana Islands.
- Northeast: New England Division (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont) and Middle Atlantic Division (New Jersey, New York, Pennsylvania).
- Midwest: East North Central Division (Illinois, Indiana, Michigan, Ohio, Wisconsin) and West North Central Division (Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota).
- South: South Atlantic Division (Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, West Virginia), East South Central Division (Alabama, Kentucky, Mississippi, Tennessee), and West South Central Division (Arkansas, Louisiana, Oklahoma, Texas).
- West: Mountain Division (Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, Wyoming) and Pacific Division (Alaska, California, Hawaii, Oregon, Washington).

Value	Label	Frequency	%
0	Other jurisdictions	3,506	0.1%
1	Northeast	1,218,837	17.5%
2	Midwest	1,439,090	20.7%
3	South	2,216,278	31.9%
4	West	2,080,208	29.9%
	<i>Total</i>	<i>6,957,919</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

# **APPENDICES**

## Appendix A. MH-CLD Variable Information (Alphabetical Order)

Variable	Type	Length	Label
<b>ADHDFLG</b>	Numeric	8	Attention deficit/hyperactivity disorder reported
<b>AGE</b>	Numeric	8	Age (recoded)
<b>ALCSUBFLG</b>	Numeric	8	Alcohol or substance-related disorder reported
<b>ANXIETYFLG</b>	Numeric	8	Anxiety disorder reported
<b>BIPOLARFLG</b>	Numeric	8	Bipolar disorder reported
<b>CASEID</b>	Numeric	8	Case identification number
<b>CMPSERVICE</b>	Numeric	8	SMHA-funded/operated community-based program
<b>CONDUCTFLG</b>	Numeric	8	Conduct disorder reported
<b>DELIRDEMFLG</b>	Numeric	8	Delirium/dementia disorder reported
<b>DEPRESSFLG</b>	Numeric	8	Depressive disorder reported
<b>DETNFL</b>	Numeric	8	Detailed 'not in labor force' category
<b>DIVISION</b>	Numeric	8	Census division
<b>EDUC</b>	Numeric	8	Education
<b>EMPLOY</b>	Numeric	8	Competitive employment status (aged 16 years and older) at discharge or end of the reporting period
<b>ETHNIC</b>	Numeric	8	Hispanic or Latino origin (ethnicity)
<b>GENDER</b>	Numeric	8	Sex
<b>IJSSERVICE</b>	Numeric	8	Institutions under the justice system
<b>LIVARAG</b>	Numeric	8	Residential status — at discharge or end of reporting period
<b>MARSTAT</b>	Numeric	8	Marital status
<b>MH1</b>	Numeric	8	Mental health diagnosis one
<b>MH2</b>	Numeric	8	Mental health diagnosis two
<b>MH3</b>	Numeric	8	Mental health diagnosis three
<b>NUMMHS</b>	Numeric	8	Number of mental health diagnoses reported
<b>ODDFLG</b>	Numeric	8	Oppositional defiant disorder reported
<b>OPISERVICE</b>	Numeric	8	Other psychiatric inpatient
<b>OTHERDISFLG</b>	Numeric	8	Other mental disorder reported
<b>PDDFLG</b>	Numeric	8	Pervasive developmental disorder reported
<b>PERSONFLG</b>	Numeric	8	Personality disorder reported
<b>RACE</b>	Numeric	8	Race
<b>REGION</b>	Numeric	8	Census region
<b>RTCSERVICE</b>	Numeric	8	Residential treatment center
<b>SAP</b>	Numeric	8	Substance use problem
<b>SCHIZOFLG</b>	Numeric	8	Schizophrenia or other psychotic disorder reported
<b>SMISED</b>	Numeric	8	SMI/SED status
<b>SPHSERVICE</b>	Numeric	8	State psychiatric hospital services

Variable	Type	Length	Label
<b>STATEFIP</b>	Numeric	8	Reporting state code
<b>SUB</b>	Numeric	8	Substance use diagnosis
<b>TRAUSTREFLG</b>	Numeric	8	Trauma- and stressor-related disorder reported
<b>VETERAN</b>	Numeric	8	Veteran status
<b>YEAR</b>	Numeric	8	Reporting period

## Appendix B. Variable Recode Table

Variable	Original codes	Recodes
<b>AGE</b> Age at midpoint of the state's elected reporting period.	Continuous (0–85)	1 0–11 years old 2 12–14 years old 3 15–17 years old 4 18–20 years old 5 21–24 years old 6 25–29 years old 7 30–34 years old 8 35–39 years old 9 40–44 years old 10 45–49 years old 11 50–54 years old 12 55–59 years old 13 60–64 years old 14 65 years and older
<b>ETHNIC</b> Ethnicity (Hispanic origin)	1 Hispanic origin 11 Puerto Rican 12 Mexican 13 Cuban 14 Other specific Hispanic 2 Not of Hispanic origin	1 Mexican 2 Puerto Rican 3 Other Hispanic or Latino origin 4 Not of Hispanic or Latino origin
<b>MARSTAT</b> Marital status	1 Never married 2 Married/Living as a couple 3 Separated 4 Divorced 5 Widowed	1 Never married 2 Now married 3 Separated 4 Divorced, widowed

Variable	Original codes		Recodes	
<b>EDUC</b>				
Education	0	No years of schooling	1	Special education
	1	Grade 1	2	8 years or less
	2	Grade 2	3	9–11 years
	3	Grade 3	4	12 years (or GED)
	4	Grade 4	5	13 years or more
	5	Grade 5		
	6	Grade 6		
	7	Grade 7		
	8	Grade 8		
	9	Grade 9		
	10	Grade 10		
	11	Grade 11		
	12	Grade 12		
	13	Nursery school		
	14	Kindergarten		
	15	Self-contained special education class		
	16	Vocational school		
	17	College undergraduate freshman		
	18	College undergraduate sophomore		
	19	College undergraduate junior		
	20	College undergraduate senior		
	21	Graduate or professional school		
<b>DET NFL</b>				
Detailed 'not in labor force'	14	Homemaker	1	Retired, disabled
	24	Student	2	Student
	34	Retired	3	Homemaker
	44	Disabled	4	Sheltered/non-competitive employment
	64	Other reported classification	5	Other
	74	Sheltered/non-competitive employment		
	84	Not in labor force, classification not specified		
<b>EMPLOY</b>				
Competitive employment status	1	Full-time	1	Full-time
(aged 16 years or older) – at discharge or end of the reporting period	2	Part-time	2	Part-time
	3	Unemployed	3	Employed full-time/part-time not differentiated
	5	Employed full-time/part-time not differentiated	4	Unemployed
	14	Homemaker	5	Not in labor force
	24	Student		
	34	Retired		
	44	Disabled		
	64	Other reported classification		
	74	Sheltered/non-competitive employment		
	84	Not in labor force, classification not specified		

Variable	Original codes		Recodes	
<b>LIVARAG</b>				
Residential status – at discharge or end of reporting period	1	Experiencing homelessness	1	Experiencing homelessness
	2	Foster home/foster care	2	Private residence
	3	Residential care	3	Other
	4	Crisis residence		
	5	Institutional setting		
	6	Jail/correctional facility/other institutions under justice system		
	7	Private residence		
	17	Independent living		
	27	Dependent living		
	37	Private residence (for children use only)		
	8	Other residential status		
<b>RACE</b>				
	2	American Indian and Alaska Native	1	American Indian/Alaska Native
			2	Asian
	3	Asian or Pacific Islander	3	Black or African American
	13	Asian	4	Native Hawaiian or Other Pacific Islander
	23	Native Hawaiian or Other Pacific Islander	5	White
	4	Black or African American	6	Some other race alone/two or more races
	5	White		
	20	Some other race alone		
	21	Two or more races		
	22	Hispanic		



## Appendix C. Technical Notes

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The MH-CLD public use file contains several variables created by combining or recoding original variables submitted by states. The following notes describe how these variables are created or recoded.

Flag variables for mental health diagnoses:

- If first, second, or third mental health diagnosis is 1 *trauma- or stressor-related disorder*, then trauma- or stressor-related disorder flag is 1;
- if first, second, or third mental health diagnosis is 2 *anxiety disorder*, then anxiety disorder flag is 1;
- if first, second, or third mental health diagnosis is 3 *attention deficit/hyperactivity disorder*, then attention deficit/hyperactivity disorder flag is 1;
- if first, second, or third mental health diagnosis is 4 *conduct disorder*, then conduct disorder flag is 1;
- if first, second, or third mental health diagnosis is 5 *delirium/dementia disorder*, then delirium/dementia disorder flag is 1;
- if first, second, or third mental health diagnosis is 6 *bipolar disorder*, then bipolar disorder flag is 1;
- if first, second, or third mental health diagnosis is 7 *depressive disorder*, then depressive disorder flag is 1;
- if first, second, or third mental health diagnosis is 8 *oppositional defiant disorder*, then oppositional defiant disorder flag is 1;
- if first, second, or third mental health diagnosis is 9 *pervasive developmental disorder*, then pervasive developmental disorder flag is 1;
- if first, second, or third mental health diagnosis is 10 *personality disorder*, then personality disorder flag is 1;
- if first, second, or third mental health diagnosis is 11 *schizophrenia or other psychotic disorder*, then schizophrenia or other psychotic disorder flag is 1;
- if first, second, or third mental health diagnosis is 12 *alcohol or substance use disorder*, then alcohol or substance use disorder flag is 1;
- if first, second, or third mental health diagnosis is 13 *other mental disorder*, then other mental disorder flag is 1.