

# **MENTAL HEALTH CLIENT-LEVEL DATA (MH-CLD), 2018:**

## **CODEBOOK**

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

## Mental Health Client-Level Data (MH-CLD), 2018: Codebook

### Acknowledgements

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## Mental Health Client-Level Data: 2018

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This codebook documents the Mental Health Client-Level Data (MH-CLD) for the 2018 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 2021 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 2021 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 July 18, 2022. See the 2021 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
2018	Alaska, American Samoa, Federated States of Micronesia, Georgia, Guam, Kansas, Maine, Marshall Islands, New Hampshire, U.S. Virgin Islands

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# **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	%
2018	2018	6,418,360	100%
	<i>Total</i>	<i>6,418,360</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	899,796	14.0%
2	12-14 years	446,058	6.9%
3	15-17 years	476,750	7.4%
4	18-20 years	293,480	4.6%
5	21-24 years	359,748	5.6%
6	25-29 years	557,084	8.7%
7	30-34 years	535,905	8.3%
8	35-39 years	500,968	7.8%
9	40-44 years	411,463	6.4%
10	45-49 years	431,732	6.7%
11	50-54 years	453,615	7.1%
12	55-59 years	429,413	6.7%
13	60-64 years	297,126	4.6%
14	65 years and older	320,125	5.0%
-9	Missing/unknown/not collected/invalid	5,097	0.1%
	<i>Total</i>	<i>6,418,360</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	32,045	0.5%
2	0 to 8	781,676	12.2%
3	9 to 11	557,369	8.7%
4	12 (or GED)	1,073,887	16.7%
5	More than 12	531,636	8.3%
-9	Missing/unknown/not collected/invalid	3,441,747	53.6%
	<i>Total</i>	<i>6,418,360</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	52,610	0.8%
2	Puerto Rican	27,837	0.4%
3	Other Hispanic or Latino origin	864,770	13.5%
4	Not of Hispanic or Latino origin	4,746,827	74.0%
-9	Missing/unknown/not collected/invalid	726,316	11.3%
	<i>Total</i>	<i>6,418,360</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	89,206	1.4%
2	Asian	94,955	1.5%
3	Black or African American	1,197,819	18.7%
4	Native Hawaiian or Other Pacific Islander	13,986	0.2%
5	White	3,892,119	60.6%
6	Some other race alone/two or more races	609,196	9.5%
-9	Missing/unknown/not collected/invalid	521,079	8.1%
	<i>Total</i>	<i>6,418,360</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	3,117,086	48.6%
2	Female	3,285,016	51.2%
-9	Missing/unknown/not collected/invalid	16,258	0.3%
	<i>Total</i>	<i>6,418,360</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	122,461	1.9%
2	Not served in a state psychiatric hospital	6,295,899	98.1%
	<i>Total</i>	<i>6,418,360</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	6,258,883	97.5%
2	Not served in SMHA-funded/operated community-based program	159,477	2.5%
	<i>Total</i>	<i>6,418,360</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'	275,314	4.3%
2	Not served in 'other psychiatric inpatient center'	6,143,046	95.7%
	<i>Total</i>	<i>6,418,360</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	68,518	1.1%
2	Not served in a residential treatment center	6,349,842	98.9%
	<i>Total</i>	<i>6,418,360</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	71,585	1.1%
2	Not served by any institution under the justice system	6,346,775	98.9%
	<i>Total</i>	<i>6,418,360</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	812,013	12.7%
2	Anxiety disorders	639,572	10.0%
3	Attention deficit/hyperactivity disorder (ADHD)	466,184	7.3%
4	Conduct disorders	89,142	1.4%
5	Delirium, dementia	17,146	0.3%
6	Bipolar disorders	623,717	9.7%
7	Depressive disorders	1,443,650	22.5%
8	Oppositional defiant disorders	111,140	1.7%
9	Pervasive developmental disorders	69,566	1.1%
10	Personality disorders	45,718	0.7%
11	Schizophrenia or other psychotic disorders	695,407	10.8%
12	Alcohol or substance use disorders	167,062	2.6%
13	Other disorders/conditions	485,230	7.6%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	752,813	11.7%
	<i>Total</i>	<b>6,418,360</b>	<b>100%</b>

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	285,698	4.5%
2	Anxiety disorders	516,796	8.1%
3	Attention deficit/hyperactivity disorder (ADHD)	181,809	2.8%
4	Conduct disorders	34,744	0.5%
5	Delirium, dementia	10,048	0.2%
6	Bipolar disorders	90,994	1.4%
7	Depressive disorders	266,482	4.2%
8	Oppositional defiant disorders	77,358	1.2%
9	Pervasive developmental disorders	31,192	0.5%
10	Personality disorders	86,958	1.4%
11	Schizophrenia or other psychotic disorders	64,000	1.0%
12	Alcohol or substance use disorders	83,918	1.3%
13	Other disorders/conditions	299,774	4.7%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	4,388,589	68.4%
	<i>Total</i>	<i>6,418,360</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	63,647	1.0%
2	Anxiety disorders	83,584	1.3%
3	Attention deficit/hyperactivity disorder (ADHD)	48,925	0.8%
4	Conduct disorders	9,434	0.1%
5	Delirium, dementia	2,642	0.0%
6	Bipolar disorders	19,961	0.3%
7	Depressive disorders	46,167	0.7%
8	Oppositional defiant disorders	18,241	0.3%
9	Pervasive developmental disorders	8,828	0.1%
10	Personality disorders	41,605	0.6%
11	Schizophrenia or other psychotic disorders	11,157	0.2%
12	Alcohol or substance use disorders	22,458	0.3%
13	Other disorders/conditions	73,276	1.1%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	5,968,435	93.0%
	<i>Total</i>	<i>6,418,360</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	15,997	0.2%
2	Alcohol intoxication	11,979	0.2%
3	Substance-induced disorder	42,131	0.7%
4	Alcohol dependence	175,299	2.7%
5	Cocaine dependence	35,316	0.6%
6	Cannabis dependence	101,592	1.6%
7	Opioid dependence	150,343	2.3%
8	Other substance dependence	190,314	3.0%
9	Alcohol abuse	77,615	1.2%
10	Cocaine abuse	16,215	0.3%
11	Cannabis abuse	98,085	1.5%
12	Opioid abuse	16,640	0.3%
13	Other substance related conditions	66,901	1.0%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	5,419,933	84.4%
	<i>Total</i>	<i>6,418,360</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	2,957,588	46.1%
2	Now married	348,561	5.4%
3	Separated	143,180	2.2%
4	Divorced, widowed	434,868	6.8%
-9	Missing/unknown/not collected/invalid	2,534,163	39.5%
	<i>Total</i>	<i>6,418,360</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	3,186,972	49.7%
2	SED and/or at risk for SED	1,277,840	19.9%
3	Not SMI/SED	1,666,240	26.0%
-9	Missing/unknown/not collected/invalid	287,308	4.5%
	<i>Total</i>	<i>6,418,360</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	1,274,229	19.9%
2	No	4,409,931	68.7%
-9	Missing/unknown/not collected/invalid	734,200	11.4%
	<i>Total</i>	<i>6,418,360</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	266,275	4.1%
2	Part-time	179,771	2.8%
3	Employed full-time/part-time not differentiated	81,705	1.3%
4	Unemployed	659,834	10.3%
5	Not in labor force	1,195,089	18.6%
-9	Missing/unknown/not collected/invalid	4,035,686	62.9%
	<i>Total</i>	<i>6,418,360</i>	<i>100%</i>

Width: 2; Decimal: 0  
Variable type: Numeric

## DETNFLF: 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	576,825	9.0%
2	Student	177,788	2.8%
3	Homemaker	43,331	0.7%
4	Sheltered/non-competitive employment	13,236	0.2%
5	Other	383,909	6.0%
-9	Missing/unknown/not collected/invalid	5,223,271	81.4%
	<i>Total</i>	<i>6,418,360</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	44,614	0.7%
2	No	2,367,810	36.9%
-9	Missing/unknown/not collected/invalid	4,005,936	62.4%
	<i>Total</i>	<i>6,418,360</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).

- Homeless: 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	Homeless	159,293	2.5%
2	Private residence	3,237,807	50.4%
3	Other	411,375	6.4%
-9	Missing/unknown/not collected/invalid	2,609,885	40.7%
	<i>Total</i>	<i>6,418,360</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	752,813	11.7%
1	1	3,635,759	56.6%
2	2	1,579,880	24.6%
3	3	449,908	7.0%
	<i>Total</i>	<i>6,418,360</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	5,257,002	81.9%
1	Disorder reported	1,161,358	18.1%
	<i>Total</i>	<i>6,418,360</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	5,178,408	80.7%
1	Disorder reported	1,239,952	19.3%
	<i>Total</i>	<i>6,418,360</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	5,721,442	89.1%
1	Disorder reported	696,918	10.9%
	<i>Total</i>	<i>6,418,360</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	6,285,040	97.9%
1	Disorder reported	133,320	2.1%
	<i>Total</i>	<i>6,418,360</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	6,388,524	99.5%
1	Disorder reported	29,836	0.5%
	<i>Total</i>	<i>6,418,360</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	5,683,688	88.6%
1	Disorder reported	734,672	11.4%
	<i>Total</i>	<i>6,418,360</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	4,662,061	72.6%
1	Disorder reported	1,756,299	27.4%
	<i>Total</i>	<i>6,418,360</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	6,211,621	96.8%
1	Disorder reported	206,739	3.2%
	<i>Total</i>	<i>6,418,360</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	6,308,774	98.3%
1	Disorder reported	109,586	1.7%
	<i>Total</i>	<i>6,418,360</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	6,244,079	97.3%
1	Disorder reported	174,281	2.7%
	<i>Total</i>	<i>6,418,360</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	5,647,796	88.0%
1	Disorder reported	770,564	12.0%
	<i>Total</i>	<i>6,418,360</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	6,144,922	95.7%
1	Disorder reported	273,438	4.3%
	<i>Total</i>	<i>6,418,360</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	5,560,156	86.6%
1	Disorder reported	858,204	13.4%
	<i>Total</i>	<i>6,418,360</i>	<i>100%</i>

Width: 2; Decimal: 0  
Variable type: Numeric

## STATEFIP: Reporting state code

Identifies the reporting state.

Value	Label	Frequency	%
1	Alabama	102,424	1.6%
4	Arizona	224,773	3.5%
5	Arkansas	74,888	1.2%
6	California	708,634	11.0%
8	Colorado	150,547	2.3%
9	Connecticut	93,947	1.5%
10	Delaware	9,889	0.2%
11	District of Columbia	45,560	0.7%
12	Florida	218,368	3.4%
15	Hawaii	10,006	0.2%
16	Idaho	16,718	0.3%
17	Illinois	66,656	1.0%
18	Indiana	137,357	2.1%
19	Iowa	189,347	3.0%
21	Kentucky	157,732	2.5%
22	Louisiana	39,413	0.6%
24	Maryland	213,605	3.3%
25	Massachusetts	26,383	0.4%
26	Michigan	231,953	3.6%
27	Minnesota	287,962	4.5%
28	Mississippi	85,449	1.3%
29	Missouri	76,409	1.2%
30	Montana	63,050	1.0%
31	Nebraska	24,983	0.4%
32	Nevada	19,635	0.3%
34	New Jersey	421,376	6.6%
35	New Mexico	149,503	2.3%
36	New York	57,929	0.9%
37	North Carolina	101,046	1.6%
38	North Dakota	13,866	0.2%
39	Ohio	482,098	7.5%
40	Oklahoma	101,831	1.6%
41	Oregon	134,743	2.1%
42	Pennsylvania	565,437	8.8%
44	Rhode Island	30,383	0.5%
45	South Carolina	87,192	1.4%
46	South Dakota	16,278	0.3%
47	Tennessee	117,555	1.8%
48	Texas	400,154	6.2%
49	Utah	56,095	0.9%

## STATEFIP: Reporting state code

Identifies the reporting state.

Value	Label	Frequency	%
50	Vermont	31,263	0.5%
51	Virginia	123,101	1.9%
53	Washington	111,458	1.7%
54	West Virginia	50,605	0.8%
55	Wisconsin	71,193	1.1%
56	Wyoming	16,256	0.3%
72	Puerto Rico	2,918	0.0%
99	Other jurisdictions	392	0.0%
	<i>Total</i>	<b>6,418,360</b>	<b>100%</b>

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	3,310	0.1%
1	New England	181,976	2.8%
2	Middle Atlantic	1,044,742	16.3%
3	East North Central	989,257	15.4%
4	West North Central	608,845	9.5%
5	South Atlantic	849,366	13.2%
6	East South Central	463,160	7.2%
7	West South Central	616,286	9.6%
8	Mountain	696,577	10.9%
9	Pacific	964,841	15.0%
	<i>Total</i>	<i>6,418,360</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	3,310	0.1%
1	Northeast	1,226,718	19.1%
2	Midwest	1,598,102	24.9%
3	South	1,928,812	30.1%
4	West	1,661,418	25.9%
	<i>Total</i>	<i>6,418,360</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>DETNLF</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

<b>Variable</b>	<b>Type</b>	<b>Length</b>	<b>Label</b>
<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	1 Mexican
	11 Puerto Rican	2 Puerto Rican
	12 Mexican	3 Other Hispanic or Latino origin
	13 Cuban	4 Not of Hispanic or Latino origin
	14 Other specific Hispanic	
	2 Not of Hispanic origin	
<b>MARSTAT</b> Marital status	1 Never married	1 Never married
	2 Married/Living as a couple	2 Now married
	3 Separated	3 Separated
	4 Divorced	4 Divorced, widowed
	5 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 (aged 16 years or older) – at discharge or end of the reporting period	1 Full-time	1 Full-time
	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 Homeless	1 Homeless
	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
	3 Asian or Pacific Islander	2 Asian
	13 Asian	3 Black or African American
	23 Native Hawaiian or Other Pacific Islander	4 Native Hawaiian or Other Pacific Islander
	4 Black or African American	5 White
	5 White	6 Some other race alone/two or more races
	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.