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

CODEBOOK

Acknowledgments

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MENTAL HEALTH CLIENT-LEVEL DATA: 2018

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 for 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—from programs operated or funded by the SMHA during the reporting period.

In each reporting period, two data sets are submitted: 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 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 Mental Health Client-Level Data State Instruction Manual and the Combined Substance Use and Mental Health Treatment Episode Data Set State Instruction Manual, which are available from the SAMHSA website, provide complete instructions on how data for MH-CLD and MH-TEDS are collected.

Note that 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.

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 Appendix B of the 2018 MH-CLD 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 datasets that are linked using an HIPAA-compliant, non-protected health information, unique client identifier and other key fields located in both files. Linking the records allows for the creation of a single client record comparable to the MH-CLD format.

Data from MH-TEDS is made compatible for analysis with data from MH-CLD by developing a file that draws its general structure from the MH-CLD data set. After transposing admission and discharge records from MH-TEDS into a client-level file, the MH-TEDS variables are crosswalked to MH-CLD variables. The process of creating an individual record using the MH-TEDS data allows for reporting of the individuals in both the MH-TEDS and MH-CLD data sets. See Appendix A of the 2018 MH-CLD 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

The universe for this MH-CLD public use file is the data received and processed through July 1, 2019, for the 2018 reporting period.

Extract Dates

The extract dates for the data used to produce the 2018 MH-CLD public use file are presented in Appendix B of the 2018 MH-CLD Report.

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 and other jurisdictions did not report sufficient data and are excluded from the given years.

Year	States
2018	Alaska, American Samoa, Federated States of Micronesia, Georgia, Guam, Kansas, Maine, Marshall Islands, New Hampshire, New Jersey, U.S. Virgin Islands

FREQUENCIES AND VARIABLE DESCRIPTIONS

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	6,213,791	100%
	Total	*6,213,791*	*100%*

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	892,484	14.4%
2	12–14 years	438,967	7.1%
3	15–17 years	469,162	7.6%
4	18–20 years	288,195	4.6%
5	21–24 years	357,257	5.7%
6	25–29 years	557,653	9.0%
7	30–34 years	534,107	8.6%
8	35–39 years	494,186	8.0%
9	40–44 years	400,992	6.5%
10	45–49 years	414,109	6.7%
11	50–54 years	430,035	6.9%
12	55–59 years	402,710	6.5%
13	60–64 years	273,170	4.4%
14	65 years and older	256,693	4.1%
-9	Missing/unknown/not collected/invalid	4,071	0.1%
	Total	*6,213,791*	*100%*

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	32,044	0.5%
2	0 to 8	753,205	12.1%
3	9 to 11	510,263	8.2%
4	12 (or GED)	977,419	15.7%
5	More than 12	480,622	7.7%
-9	Missing/unknown/not collected/invalid	3,460,238	55.7%
	Total	*6,213,791*	*100%*

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	49,932	0.8%
2	Puerto Rican	27,716	0.4%
3	Other Hispanic or Latino origin	815,821	13.1%
4	Not of Hispanic or Latino origin	4,603,454	74.1%
-9	Missing/unknown/not collected/invalid	716,868	11.5%
	Total	6,213,791	100%

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	89,566	1.4%
2	Asian	91,274	1.5%
3	Black or African American	1,138,522	18.3%
4	Native Hawaiian or Other Pacific Islander	15,296	0.2%
5	White	3,844,577	61.9%
6	Some other race alone/two or more races	579,001	9.3%
-9	Missing/unknown/not collected/invalid	455,555	7.3%
	Total	*6,213,791*	*100%*

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	3,021,655	48.6%
2	Female	3,175,592	51.1%
-9	Missing/unknown/not collected/invalid	16,544	0.3%
	Total	*6,213,791*	*100%*

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	119,126	1.9%
2	Not served in a state psychiatric hospital	6,094,665	98.1%
	Total	*6,213,791*	*100%*

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, 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	6,081,713	97.9%
2	Not served in SMHA-funded/operated community-based program	132,078	2.1%
	Total	*6,213,791*	*100%*

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'	248,065	4.0%
2	Not served in 'other psychiatric inpatient center'	5,965,726	96.0%
	Total	*6,213,791*	*100%*

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	60,657	1.0%
2	Not served in a residential treatment center	6,153,134	99.0%
	Total	*6,213,791*	*100%*

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	69,113	1.1%
2	Not served by any institution under the justice system	6,144,678	98.9%
	Total	*6,213,791*	*100%*

Width: 2; Decimal: 0
Variable Type: numeric

MH1: Mental health diagnosis one (primary)

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

Value	Label	Frequency	%
1	Trauma- and stressor-related disorders	793,054	12.8%
2	Anxiety disorders	654,028	10.5%
3	Attention deficit/hyperactivity disorder (ADD/ADHD)	461,444	7.4%
4	Conduct disorders	86,573	1.4%
5	Delirium, dementia	11,463	0.2%
6	Bipolar disorders	601,023	9.7%
7	Depressive disorders	1,410,277	22.7%
8	Oppositional defiant disorders	103,714	1.7%
9	Pervasive developmental disorders	65,578	1.1%
10	Personality disorders	45,746	0.7%
11	Schizophrenia or other psychotic disorders	660,521	10.6%
12	Alcohol or substance use disorders	144,759	2.3%
13	Other disorders/conditions	455,832	7.3%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	719,779	11.6%
	Total	6,213,791	100%

Width: 2; Decimal: 0
Variable Type: numeric

MH2: Mental health diagnosis two (secondary)

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

Value	Label	Frequency	%
1	Trauma- and stressor-related disorders	286,658	4.6%
2	Anxiety disorders	523,960	8.4%
3	Attention deficit/hyperactivity disorder (ADD/ADHD)	181,120	2.9%
4	Conduct disorders	34,627	0.6%
5	Delirium, dementia	6,896	0.1%
6	Bipolar disorders	90,516	1.5%
7	Depressive disorders	273,112	4.4%
8	Oppositional defiant disorders	73,964	1.2%
9	Pervasive developmental disorders	30,662	0.5%
10	Personality disorders	80,392	1.3%
11	Schizophrenia or other psychotic disorders	61,955	1.0%
12	Alcohol or substance use disorders	82,226	1.3%
13	Other disorders/conditions	232,456	3.7%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	4,255,247	68.5%
	Total	*6,213,791*	*100%*

Width: 2; Decimal: 0
Variable Type: numeric

MH3: Mental health diagnosis three (tertiary)

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

Value	Label	Frequency	%
1	Trauma- and stressor-related disorders	74,921	1.2%
2	Anxiety disorders	109,260	1.8%
3	Attention deficit/hyperactivity disorder (ADD/ADHD)	57,961	0.9%
4	Conduct disorders	10,334	0.2%
5	Delirium, dementia	2,214	0.0%
6	Bipolar disorders	30,204	0.5%
7	Depressive disorders	76,135	1.2%
8	Oppositional defiant disorders	18,639	0.3%
9	Pervasive developmental disorders	9,538	0.2%
10	Personality disorders	43,147	0.7%
11	Schizophrenia or other psychotic disorders	21,895	0.4%
12	Alcohol or substance use disorders	37,346	0.6%
13	Other disorders/conditions	93,856	1.5%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	5,628,341	90.6%
	Total	6,213,791	100%

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	16,671	0.3%
2	Alcohol intoxication	12,109	0.2%
3	Substance-induced disorder	43,312	0.7%
4	Alcohol dependence	173,779	2.8%
5	Cocaine dependence	34,243	0.6%
6	Cannabis dependence	103,813	1.7%
7	Opioid dependence	170,122	2.7%
8	Other substance dependence	181,648	2.9%
9	Alcohol abuse	78,941	1.3%
10	Cocaine abuse	14,806	0.2%
11	Cannabis abuse	96,992	1.6%
12	Opioid abuse	16,773	0.3%
13	Other substance related conditions	58,775	0.9%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	5,211,807	83.9%
	Total	*6,213,791*	*100%*

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	2,674,881	43.0%
2	Now married	361,229	5.8%
3	Separated	146,941	2.4%
4	Divorced, widowed	446,522	7.2%
-9	Missing/unknown/not collected/invalid	2,584,218	41.6%
	Total	*6,213,791*	*100%*

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	3,084,815	49.6%
2	SED and/or at risk for SED	1,243,460	20.0%
3	Not SMI/SED	1,525,494	24.6%
-9	Missing/unknown/not collected/invalid	360,022	5.8%
	Total	*6,213,791*	*100%*

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	1,287,084	20.7%
2	No	4,238,177	68.2%
-9	Missing/unknown/not collected/invalid	688,530	11.1%
	Total	*6,213,791*	*100%*

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	269,749	4.3%
2	Part-time	185,528	3.0%
3	Employed full-time/part-time not differentiated	82,972	1.3%
4	Unemployed	650,252	10.5%
5	Not in labor force	1,224,032	19.7%
-9	Missing/unknown/not collected/invalid	3,801,258	61.2%
	Total	*6,213,791*	*100%*

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	589,142	9.5%
2	Student	185,037	3.0%
3	Homemaker	45,014	0.7%
4	Sheltered/non-competitive employment	13,783	0.2%
5	Other	391,056	6.3%
-9	Missing/unknown/not collected/invalid	4,989,759	80.3%
	Total	*6,213,791*	*100%*

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	47,191	0.8%
2	No	2,079,034	33.5%
-9	Missing/unknown/not collected/invalid	4,087,566	65.8%
	Total	*6,213,791*	*100%*

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	158,941	2.6%
2	Private residence	3,024,152	48.7%
3	Other	398,281	6.4%
-9	Missing/unknown/not collected/invalid	2,632,417	42.4%
	Total	*6,213,791*	*100%*

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	719,779	11.6%
1	1	3,535,468	56.9%
2	2	1,373,094	22.1%
3	3	585,450	9.4%
	Total	6,213,791	100%

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 primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	5,067,902	81.6%
1	Disorder reported	1,145,889	18.4%
	Total	6,213,791	100%

Width: 1; Decimal: 0

Variable Type: numeric

ANXIETYFLG: Anxiety disorder reported

Flag records if an anxiety disorder was reported in the primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	4,946,960	79.6%
1	Disorder reported	1,266,831	20.4%
	Total	*6,213,791*	*100%*

Width: 1; Decimal: 0

Variable Type: numeric

ADHDFLG: Attention deficit/hyperactivity disorder reported

Flag records if attention deficit/hyperactivity disorder was reported in the primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	5,520,320	88.8%
1	Disorder reported	693,471	11.2%
	Total	*6,213,791*	*100%*

Width: 1; Decimal: 0

Variable Type: numeric

CONDUCTFLG: Conduct disorder reported

Flag records if a conduct disorder was reported in the primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,082,714	97.9%
1	Disorder reported	131,077	2.1%
	Total	*6,213,791*	*100%*

Width: 1; Decimal: 0

Variable Type: numeric

DELIRDEMFLG: Delirium/dementia disorder reported

Flag records if delirium/dementia disorder was reported in the primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,193,349	99.7%
1	Disorder reported	20,442	0.3%
	Total	6,213,791	100%

Width: 1; Decimal: 0

Variable Type: numeric

BIPOLARFLG: Bipolar disorder reported

Flag records if a bipolar disorder was reported in the primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	5,500,472	88.5%
1	Disorder reported	713,319	11.5%
	Total	*6,213,791*	*100%*

Width: 1; Decimal: 0

Variable Type: numeric

DEPRESSFLG: Depressive disorder reported

Flag records if a depressive disorder was reported in the primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	4,479,100	72.1%
1	Disorder reported	1,734,691	27.9%
	Total	*6,213,791*	*100%*

Width: 1; Decimal: 0

Variable Type: numeric

ODDFLG: Oppositional defiant disorder reported

Flag records if oppositional defiant disorder was reported in the primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,017,779	96.8%
1	Disorder reported	196,012	3.2%
	Total	*6,213,791*	*100%*

Width: 1; Decimal: 0

Variable Type: numeric

PDDFLG: Pervasive developmental disorder reported

Flag records if a pervasive developmental disorder was reported in the primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,108,312	98.3%
1	Disorder reported	105,479	1.7%
	Total	6,213,791	100%

Width: 1; Decimal: 0

Variable Type: numeric

PERSONFLG: Personality disorder reported

Flag records if a personality disorder was reported in the primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,045,411	97.3%
1	Disorder reported	168,380	2.7%
	Total	*6,213,791*	*100%*

Width: 1; Decimal: 0

Variable Type: numeric

SCHIZOFLG: Schizophrenia or other psychotic disorder reported

Flag records if schizophrenia or other psychotic disorders were reported in the primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	5,478,762	88.2%
1	Disorder reported	735,029	11.8%
	Total	*6,213,791*	*100%*

Width: 1; 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 primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	5,974,758	96.2%
1	Disorder reported	239,033	3.8%
	Total	*6,213,791*	*100%*

Width: 1; Decimal: 0

Variable Type: numeric

OTHERDISFLG: Other mental disorder reported

Flag records if other mental disorders were reported in the primary, secondary, or tertiary mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	5,464,661	87.9%
1	Disorder reported	749,130	12.1%
	Total	*6,213,791*	*100%*

Width: 1; 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	3.6%
5	Arkansas	74,888	1.2%
6	California	693,510	11.2%
8	Colorado	150,558	2.4%
9	Connecticut	93,947	1.5%
10	Delaware	9,889	0.2%
11	District of Columbia	45,560	0.7%
12	Florida	218,368	3.5%
15	Hawaii	10,006	0.2%
16	Idaho	16,718	0.3%
17	Illinois	66,656	1.1%
18	Indiana	137,388	2.2%
19	Iowa	189,347	3.0%
21	Kentucky	157,732	2.5%
22	Louisiana	39,413	0.6%
24	Maryland	213,605	3.4%
25	Massachusetts	26,383	0.4%
26	Michigan	231,953	3.7%
27	Minnesota	287,962	4.6%
28	Mississippi	85,449	1.4%
29	Missouri	76,409	1.2%
30	Montana	63,052	1.0%
31	Nebraska	24,983	0.4%
32	Nevada	19,632	0.3%
35	New Mexico	149,503	2.4%
36	New York	57,904	0.9%
37	North Carolina	101,046	1.6%
38	North Dakota	13,866	0.2%
39	Ohio	538,536	8.7%
40	Oklahoma	101,831	1.6%

STATEFIP: Reporting state code

Value	Label	Frequency	%
41	Oregon	134,743	2.2%
42	Pennsylvania	565,437	9.1%
44	Rhode Island	26,454	0.4%
45	South Carolina	87,192	1.4%
46	South Dakota	16,278	0.3%
47	Tennessee	117,555	1.9%
48	Texas	400,154	6.4%
49	Utah	56,095	0.9%
50	Vermont	31,263	0.5%
51	Virginia	123,101	2.0%
53	Washington	290,864	4.7%
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%
	Total	*6,213,791*	*100%*

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	178,047	2.9%
2	Middle Atlantic	623,341	10.0%
3	East North Central	1,045,726	16.8%
4	West North Central	608,845	9.8%
5	South Atlantic	849,366	13.7%
6	East South Central	463,160	7.5%
7	West South Central	616,286	9.9%
8	Mountain	696,587	11.2%
9	Pacific	1,129,123	18.2%
	Total	6,213,791	100%

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	801,388	12.9%
2	Midwest	1,654,571	26.6%
3	South	1,928,812	31.0%
4	West	1,825,710	29.4%
	Total	*6,213,791*	*100%*

Width: 2; Decimal: 0

Variable Type: numeric

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

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

Appendix B. Variable recode table

Variable	Original codes	Recodes
AGE 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
ETHNIC 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
MARSTAT 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
EDUC Education	0 No years of schooling 1 Grade 1 2 Grade 2 3 Grade 3 4 Grade 4 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	1 Special education 2 8 years or less 3 9–11 years 4 12 years (or GED) 5 13 years or more

Variable	Original codes	Recodes
DETNLF Detailed 'not in labor force'	14 Homemaker 24 Student 34 Retired 44 Disabled 64 Other reported classification 74 Sheltered/non-competitive employment 84 Not in labor force, classification not specified	1 Retired, disabled 2 Student 3 Homemaker 4 Sheltered/non-competitive employment 5 Other
EMPLOY Competitive employment status (aged 16 years or older) – at discharge or end of the reporting period	1 Full-time 2 Part-time 3 Unemployed 5 Employed full-time/part-time not differentiated 14 Homemaker 24 Student 34 Retired 44 Disabled 64 Other reported classification 74 Sheltered/non-competitive employment 84 Not in labor force, classification not specified	1 Full-time 2 Part-time 3 Employed full-time/part-time not differentiated 4 Unemployed 5 Not in labor force
LIVARAG Residential status – at discharge or end of reporting period	1 Homeless 2 Foster home/foster care 3 Residential care 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	1 Homeless 2 Private residence 3 Other
RACE	2 American Indian and Alaska Native 3 Asian or Pacific Islander 13 Asian 23 Native Hawaiian or Other Pacific Islander 4 Black or African American 5 White 20 Some other race alone 21 Two or more races 22 Hispanic	1 American Indian/Alaska Native 2 Asian 3 Black or African American 4 Native Hawaiian or Other Pacific Islander 5 White 6 Some other race alone/two or more races

APPENDIX C.
TECHNICAL NOTES

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 any primary, secondary and tertiary mental health diagnosis:

- If primary or secondary or tertiary mental health diagnosis is 1 *trauma- or stressor-related disorder*, then trauma- or stressor-related disorder flag is 1;

- if primary or secondary or tertiary mental health diagnosis is 2 *anxiety disorder*, then anxiety disorder flag is 1;

- if primary or secondary or tertiary mental health diagnosis is 3 *attention deficit/hyperactivity disorder*, then attention deficit/hyperactivity disorder flag is 1;

- if primary or secondary or tertiary mental health diagnosis is 4 *conduct disorder*, then conduct disorder flag is 1;

- if primary or secondary or tertiary mental health diagnosis is 5 *delirium/dementia disorder*, then delirium/dementia disorder flag is 1;

- if primary or secondary or tertiary mental health diagnosis is 6 *bipolar disorder*, then bipolar disorder flag is 1;

- if primary or secondary or tertiary mental health diagnosis is 7 *depressive disorder*, then depressive disorder flag is 1;

- if primary or secondary or tertiary mental health diagnosis is 8 *oppositional defiant disorder*, then oppositional defiant disorder flag is 1;

- if primary or secondary or tertiary mental health diagnosis is 9 *pervasive developmental disorder*, then pervasive developmental disorder flag is 1;

- if primary or secondary or tertiary mental health diagnosis is 10 *personality disorder*, then personality disorder flag is 1;

- if primary or secondary or tertiary mental health diagnosis is 11 *schizophrenia or other psychotic disorder*, then schizophrenia or other psychotic disorder flag is 1;

- if primary or secondary or tertiary mental health diagnosis is 12 *alcohol or substance use disorder*, then alcohol or substance use disorder flag is 1;

- if primary or secondary or tertiary mental health diagnosis is 13 *other mental disorder,* then other mental disorder flag is 1.