

MENTAL HEALTH CLIENT-LEVEL DATA (MH-CLD), 2017:

CODEBOOK

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

Mental Health Client-Level Data (MH-CLD), 2017: Codebook

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Mental Health Client-Level Data: 2017

This codebook documents the Mental Health Client-Level Data (MH-CLD) for the 2017 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.

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
2017	Alaska, American Samoa, Federated States of Micronesia, Georgia, Guam, Kansas, Marshall Islands, New Hampshire, U.S. Virgin Islands, West Virginia

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	%
2017	2017	6,172,051	100%
	<i>Total</i>	<i>6,172,051</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	814,652	13.2%
2	12-14 years	405,603	6.6%
3	15-17 years	450,194	7.3%
4	18-20 years	273,810	4.4%
5	21-24 years	353,178	5.7%
6	25-29 years	536,765	8.7%
7	30-34 years	521,382	8.4%
8	35-39 years	480,951	7.8%
9	40-44 years	404,804	6.6%
10	45-49 years	434,662	7.0%
11	50-54 years	465,609	7.5%
12	55-59 years	418,358	6.8%
13	60-64 years	278,831	4.5%
14	65 years and older	322,360	5.2%
-9	Missing/unknown/not collected/invalid	10,892	0.2%
	<i>Total</i>	<i>6,172,051</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	28,767	0.5%
2	0 to 8	701,544	11.4%
3	9 to 11	523,831	8.5%
4	12 (or GED)	960,399	15.6%
5	More than 12	478,199	7.7%
-9	Missing/unknown/not collected/invalid	3,479,311	56.4%
	<i>Total</i>	<i>6,172,051</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	52,760	0.9%
2	Puerto Rican	51,203	0.8%
3	Other Hispanic or Latino origin	795,302	12.9%
4	Not of Hispanic or Latino origin	4,639,490	75.2%
-9	Missing/unknown/not collected/invalid	633,296	10.3%
	<i>Total</i>	<i>6,172,051</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	78,926	1.3%
2	Asian	85,683	1.4%
3	Black or African American	1,157,768	18.8%
4	Native Hawaiian or Other Pacific Islander	10,997	0.2%
5	White	3,744,001	60.7%
6	Some other race alone/two or more races	558,175	9.0%
-9	Missing/unknown/not collected/invalid	536,501	8.7%
	<i>Total</i>	<i>6,172,051</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	2,989,880	48.4%
2	Female	3,153,673	51.1%
-9	Missing/unknown/not collected/invalid	28,498	0.5%
	<i>Total</i>	<i>6,172,051</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	124,240	2.0%
2	Not served in a state psychiatric hospital	6,047,811	98.0%
	<i>Total</i>	<i>6,172,051</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	5,994,872	97.1%
2	Not served in SMHA-funded/operated community-based program	177,179	2.9%
	<i>Total</i>	<i>6,172,051</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'	264,311	4.3%
2	Not served in 'other psychiatric inpatient center'	5,907,740	95.7%
	<i>Total</i>	<i>6,172,051</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	67,568	1.1%
2	Not served in a residential treatment center	6,104,483	98.9%
	<i>Total</i>	<i>6,172,051</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	72,497	1.2%
2	Not served by any institution under the justice system	6,099,554	98.8%
	<i>Total</i>	<i>6,172,051</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	750,489	12.2%
2	Anxiety disorders	564,088	9.1%
3	Attention deficit/hyperactivity disorder (ADHD)	430,836	7.0%
4	Conduct disorders	94,520	1.5%
5	Delirium, dementia	16,331	0.3%
6	Bipolar disorders	629,298	10.2%
7	Depressive disorders	1,343,277	21.8%
8	Oppositional defiant disorders	107,198	1.7%
9	Pervasive developmental disorders	67,334	1.1%
10	Personality disorders	42,039	0.7%
11	Schizophrenia or other psychotic disorders	661,835	10.7%
12	Alcohol or substance use disorders	145,234	2.4%
13	Other disorders/conditions	408,203	6.6%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	911,369	14.8%
	<i>Total</i>	<i>6,172,051</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	237,088	3.8%
2	Anxiety disorders	423,707	6.9%
3	Attention deficit/hyperactivity disorder (ADHD)	152,731	2.5%
4	Conduct disorders	33,584	0.5%
5	Delirium, dementia	7,963	0.1%
6	Bipolar disorders	78,806	1.3%
7	Depressive disorders	218,122	3.5%
8	Oppositional defiant disorders	69,419	1.1%
9	Pervasive developmental disorders	24,849	0.4%
10	Personality disorders	83,722	1.4%
11	Schizophrenia or other psychotic disorders	56,877	0.9%
12	Alcohol or substance use disorders	80,933	1.3%
13	Other disorders/conditions	255,427	4.1%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	4,448,823	72.1%
	<i>Total</i>	<i>6,172,051</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	47,614	0.8%
2	Anxiety disorders	64,980	1.1%
3	Attention deficit/hyperactivity disorder (ADHD)	38,448	0.6%
4	Conduct disorders	7,642	0.1%
5	Delirium, dementia	1,790	0.0%
6	Bipolar disorders	16,089	0.3%
7	Depressive disorders	35,720	0.6%
8	Oppositional defiant disorders	15,297	0.2%
9	Pervasive developmental disorders	6,291	0.1%
10	Personality disorders	39,678	0.6%
11	Schizophrenia or other psychotic disorders	9,479	0.2%
12	Alcohol or substance use disorders	18,732	0.3%
13	Other disorders/conditions	49,889	0.8%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	5,820,402	94.3%
	<i>Total</i>	<i>6,172,051</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	15,274	0.2%
2	Alcohol intoxication	9,714	0.2%
3	Substance-induced disorder	36,393	0.6%
4	Alcohol dependence	155,894	2.5%
5	Cocaine dependence	30,456	0.5%
6	Cannabis dependence	86,022	1.4%
7	Opioid dependence	137,185	2.2%
8	Other substance dependence	150,607	2.4%
9	Alcohol abuse	70,896	1.1%
10	Cocaine abuse	14,716	0.2%
11	Cannabis abuse	83,518	1.4%
12	Opioid abuse	14,970	0.2%
13	Other substance related conditions	55,160	0.9%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	5,311,246	86.1%
	<i>Total</i>	<i>6,172,051</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	2,630,583	42.6%
2	Now married	396,346	6.4%
3	Separated	159,267	2.6%
4	Divorced, widowed	471,085	7.6%
-9	Missing/unknown/not collected/invalid	2,514,770	40.7%
	<i>Total</i>	<i>6,172,051</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	2,978,505	48.3%
2	SED and/or at risk for SED	1,145,544	18.6%
3	Not SMI/SED	1,706,557	27.6%
-9	Missing/unknown/not collected/invalid	341,445	5.5%
	<i>Total</i>	<i>6,172,051</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	1,178,689	19.1%
2	No	4,170,940	67.6%
-9	Missing/unknown/not collected/invalid	822,422	13.3%
	<i>Total</i>	<i>6,172,051</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	240,652	3.9%
2	Part-time	165,866	2.7%
3	Employed full-time/part-time not differentiated	70,564	1.1%
4	Unemployed	666,752	10.8%
5	Not in labor force	1,160,079	18.8%
-9	Missing/unknown/not collected/invalid	3,868,138	62.7%
	<i>Total</i>	<i>6,172,051</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	542,911	8.8%
2	Student	176,090	2.9%
3	Homemaker	49,871	0.8%
4	Sheltered/non-competitive employment	13,163	0.2%
5	Other	378,044	6.1%
-9	Missing/unknown/not collected/invalid	5,011,972	81.2%
	<i>Total</i>	<i>6,172,051</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	42,027	0.7%
2	No	1,658,529	26.9%
-9	Missing/unknown/not collected/invalid	4,471,495	72.4%
	<i>Total</i>	<i>6,172,051</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	140,383	2.3%
2	Private residence	3,053,641	49.5%
3	Other	460,130	7.5%
-9	Missing/unknown/not collected/invalid	2,517,897	40.8%
	<i>Total</i>	<i>6,172,051</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	911,369	14.8%
1	1	3,537,425	57.3%
2	2	1,371,637	22.2%
3	3	351,620	5.7%
	<i>Total</i>	<i>6,172,051</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	5,136,860	83.2%
1	Disorder reported	1,035,191	16.8%
	<i>Total</i>	<i>6,172,051</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	5,119,276	82.9%
1	Disorder reported	1,052,775	17.1%
	<i>Total</i>	<i>6,172,051</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	5,550,036	89.9%
1	Disorder reported	622,015	10.1%
	<i>Total</i>	<i>6,172,051</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	6,036,305	97.8%
1	Disorder reported	135,746	2.2%
	<i>Total</i>	<i>6,172,051</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	6,145,967	99.6%
1	Disorder reported	26,084	0.4%
	<i>Total</i>	<i>6,172,051</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	5,447,858	88.3%
1	Disorder reported	724,193	11.7%
	<i>Total</i>	<i>6,172,051</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	4,574,932	74.1%
1	Disorder reported	1,597,119	25.9%
	<i>Total</i>	<i>6,172,051</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	5,980,137	96.9%
1	Disorder reported	191,914	3.1%
	<i>Total</i>	<i>6,172,051</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	6,073,577	98.4%
1	Disorder reported	98,474	1.6%
	<i>Total</i>	<i>6,172,051</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	6,006,612	97.3%
1	Disorder reported	165,439	2.7%
	<i>Total</i>	<i>6,172,051</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	5,443,860	88.2%
1	Disorder reported	728,191	11.8%
	<i>Total</i>	<i>6,172,051</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	5,927,152	96.0%
1	Disorder reported	244,899	4.0%
	<i>Total</i>	<i>6,172,051</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	5,458,591	88.4%
1	Disorder reported	713,460	11.6%
	<i>Total</i>	<i>6,172,051</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

STATEFIP: Reporting state code

Identifies the reporting state.

Value	Label	Frequency	%
1	Alabama	103,959	1.7%
4	Arizona	196,212	3.2%
5	Arkansas	74,985	1.2%
6	California	638,455	10.3%
8	Colorado	147,250	2.4%
9	Connecticut	97,130	1.6%
10	Delaware	9,578	0.2%
11	District of Columbia	36,668	0.6%
12	Florida	213,758	3.5%
15	Hawaii	9,915	0.2%
16	Idaho	15,424	0.2%
17	Illinois	71,195	1.2%
18	Indiana	137,628	2.2%
19	Iowa	101,763	1.6%
21	Kentucky	155,192	2.5%
22	Louisiana	49,302	0.8%
23	Maine	49,502	0.8%
24	Maryland	201,718	3.3%
25	Massachusetts	31,659	0.5%
26	Michigan	177,289	2.9%
27	Minnesota	270,651	4.4%
28	Mississippi	73,867	1.2%
29	Missouri	77,497	1.3%
30	Montana	50,515	0.8%
31	Nebraska	21,927	0.4%
32	Nevada	20,535	0.3%
34	New Jersey	402,469	6.5%
35	New Mexico	147,669	2.4%
36	New York	58,040	0.9%
37	North Carolina	142,665	2.3%
38	North Dakota	13,978	0.2%
39	Ohio	531,703	8.6%
40	Oklahoma	96,368	1.6%
41	Oregon	126,493	2.0%
42	Pennsylvania	573,439	9.3%
44	Rhode Island	31,249	0.5%
45	South Carolina	85,754	1.4%
46	South Dakota	15,726	0.3%
47	Tennessee	108,269	1.8%
48	Texas	379,956	6.2%

STATEFIP: Reporting state code

Identifies the reporting state.

Value	Label	Frequency	%
49	Utah	55,525	0.9%
50	Vermont	30,924	0.5%
51	Virginia	122,624	2.0%
53	Washington	107,264	1.7%
55	Wisconsin	65,079	1.1%
56	Wyoming	17,365	0.3%
72	Puerto Rico	25,529	0.4%
99	Other jurisdictions	389	0.0%
	<i>Total</i>	<i>6,172,051</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	25,918	0.4%
1	New England	240,464	3.9%
2	Middle Atlantic	1,033,948	16.8%
3	East North Central	982,894	15.9%
4	West North Central	501,542	8.1%
5	South Atlantic	812,765	13.2%
6	East South Central	441,287	7.1%
7	West South Central	600,611	9.7%
8	Mountain	650,495	10.5%
9	Pacific	882,127	14.3%
	<i>Total</i>	<i>6,172,051</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	25,918	0.4%
1	Northeast	1,274,412	20.6%
2	Midwest	1,484,436	24.1%
3	South	1,854,663	30.0%
4	West	1,532,622	24.8%
	<i>Total</i>	<i>6,172,051</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable type: Numeric

APPENDICES

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
DETNFL	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
MH2	Numeric	8	Mental health diagnosis two
MH3	Numeric	8	Mental health diagnosis three
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

Variable	Type	Length	Label
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

Variable	Original codes		Recodes	
EDUC				
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		
DET NFL				
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		
EMPLOY				
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	
LIVARAG				
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		
RACE				
	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

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.