

MENTAL HEALTH CLIENT-LEVEL DATA (MH-CLD): 2019

CODEBOOK

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

Acknowledgments

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MENTAL HEALTH CLIENT-LEVEL DATA: 2019

This codebook documents the Mental Health Client-Level Data (MH-CLD) for the 2019 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 [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 2019 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 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 Appendix A of the 2019 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, 2020, for the 2019 reporting period.

Extract Dates

The extract dates for the data used to produce the 2019 MH-CLD public use file are presented in Appendix B of the 2019 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
2019	American Samoa, Arizona, Federated States of Micronesia, Georgia, Guam, Iowa, Kansas, Maine, Marshall Islands, New Hampshire, U.S. Virgin Islands, West Virginia

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	%
2019	2019	6,362,044	100%
	<i>Total</i>	6,362,044	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	891,999	14.0%
2	12–14 years	464,294	7.3%
3	15–17 years	481,465	7.6%
4	18–20 years	295,948	4.7%
5	21–24 years	353,978	5.6%
6	25–29 years	550,744	8.7%
7	30–34 years	532,022	8.4%
8	35–39 years	494,798	7.8%
9	40–44 years	404,853	6.4%
10	45–49 years	407,963	6.4%
11	50–54 years	423,885	6.7%
12	55–59 years	417,236	6.6%
13	60–64 years	299,150	4.7%
14	65 years and older	337,032	5.3%
-9	Missing/unknown/not collected/invalid	6,677	0.1%
	<i>Total</i>	<i>6,362,044</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	33,967	0.5%
2	0 to 8	824,493	13.0%
3	9 to 11	560,537	8.8%
4	12 (or GED)	1,081,946	17.0%
5	More than 12	537,832	8.5%
-9	Missing/unknown/not collected/invalid	3,323,269	52.2%
	<i>Total</i>	<i>6,362,044</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	54,831	0.9%
2	Puerto Rican	27,177	0.4%
3	Other Hispanic or Latino origin	877,983	13.8%
4	Not of Hispanic or Latino origin	4,844,451	76.1%
-9	Missing/unknown/not collected/invalid	557,602	8.8%
	<i>Total</i>	6,362,044	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	98,575	1.5%
2	Asian	88,165	1.4%
3	Black or African American	1,220,743	19.2%
4	Native Hawaiian or Other Pacific Islander	16,506	0.3%
5	White	3,756,639	59.0%
6	Some other race alone/two or more races	641,159	10.1%
-9	Missing/unknown/not collected/invalid	540,257	8.5%
	<i>Total</i>	<i>6,362,044</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	3,078,128	48.4%
2	Female	3,262,840	51.3%
-9	Missing/unknown/not collected/invalid	21,076	0.3%
	<i>Total</i>	<i>6,362,044</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	123,267	1.9%
2	Not served in a state psychiatric hospital	6,238,777	98.1%
	<i>Total</i>	6,362,044	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	6,197,407	97.4%
2	Not served in SMHA-funded/operated community-based program	164,637	2.6%
	<i>Total</i>	6,362,044	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'	250,070	3.9%
2	Not served in 'other psychiatric inpatient center'	6,111,974	96.1%
	<i>Total</i>	<i>6,362,044</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	61,522	1.0%
2	Not served in a residential treatment center	6,300,522	99.0%
	<i>Total</i>	<i>6,362,044</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	72,030	1.1%
2	Not served by any institution under the justice system	6,290,014	98.9%
	<i>Total</i>	<i>6,362,044</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	876,463	13.8%
2	Anxiety disorders	663,918	10.4%
3	Attention deficit/hyperactivity disorder (ADHD)	415,456	6.5%
4	Conduct disorders	84,862	1.3%
5	Delirium, dementia	16,596	0.3%
6	Bipolar disorders	587,793	9.2%
7	Depressive disorders	1,442,729	22.7%
8	Oppositional defiant disorders	105,453	1.7%
9	Pervasive developmental disorders	57,062	0.9%
10	Personality disorders	47,349	0.7%
11	Schizophrenia or other psychotic disorders	663,037	10.4%
12	Alcohol or substance use disorders	186,071	2.9%
13	Other disorders/conditions	488,153	7.7%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	727,102	11.4%
	<i>Total</i>	6,362,044	100%

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	284,477	4.5%
2	Anxiety disorders	507,426	8.0%
3	Attention deficit/hyperactivity disorder (ADHD)	167,003	2.6%
4	Conduct disorders	30,491	0.5%
5	Delirium, dementia	9,627	0.2%
6	Bipolar disorders	82,652	1.3%
7	Depressive disorders	272,764	4.3%
8	Oppositional defiant disorders	68,395	1.1%
9	Pervasive developmental disorders	29,222	0.5%
10	Personality disorders	76,427	1.2%
11	Schizophrenia or other psychotic disorders	58,953	0.9%
12	Alcohol or substance use disorders	86,675	1.4%
13	Other disorders/conditions	283,266	4.5%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	4,404,666	69.2%
	<i>Total</i>	<i>6,362,044</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	68,402	1.1%
2	Anxiety disorders	87,521	1.4%
3	Attention deficit/hyperactivity disorder (ADHD)	46,531	0.7%
4	Conduct disorders	9,090	0.1%
5	Delirium, dementia	2,216	0.0%
6	Bipolar disorders	18,746	0.3%
7	Depressive disorders	50,415	0.8%
8	Oppositional defiant disorders	16,634	0.3%
9	Pervasive developmental disorders	8,363	0.1%
10	Personality disorders	36,332	0.6%
11	Schizophrenia or other psychotic disorders	10,681	0.2%
12	Alcohol or substance use disorders	22,546	0.4%
13	Other disorders/conditions	64,161	1.0%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	5,920,406	93.1%
	<i>Total</i>	<i>6,362,044</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	13,636	0.2%
2	Alcohol intoxication	11,702	0.2%
3	Substance-induced disorder	40,326	0.6%
4	Alcohol dependence	170,667	2.7%
5	Cocaine dependence	33,955	0.5%
6	Cannabis dependence	99,376	1.6%
7	Opioid dependence	146,334	2.3%
8	Other substance dependence	165,621	2.6%
9	Alcohol abuse	67,542	1.1%
10	Cocaine abuse	14,335	0.2%
11	Cannabis abuse	90,434	1.4%
12	Opioid abuse	14,762	0.2%
13	Other substance related conditions	55,830	0.9%
-9	Missing/unknown/not collected/invalid/no or deferred diagnosis	5,437,524	85.5%
	<i>Total</i>	<i>6,362,044</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	2,866,873	45.1%
2	Now married	419,372	6.6%
3	Separated	165,107	2.6%
4	Divorced, widowed	486,025	7.6%
-9	Missing/unknown/not collected/invalid	2,424,667	38.1%
	<i>Total</i>	6,362,044	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	3,195,631	50.2%
2	SED and/or at risk for SED	1,320,906	20.8%
3	Not SMI/SED	1,463,372	23.0%
-9	Missing/unknown/not collected/invalid	382,135	6.0%
	<i>Total</i>	<i>6,362,044</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	1,554,249	24.4%
2	No	4,252,303	66.8%
-9	Missing/unknown/not collected/invalid	555,492	8.7%
	<i>Total</i>	<i>6,362,044</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	274,295	4.3%
2	Part-time	178,744	2.8%
3	Employed full-time/part-time not differentiated	93,125	1.5%
4	Unemployed	654,721	10.3%
5	Not in labor force	1,456,460	22.9%
-9	Missing/unknown/not collected/invalid	3,704,699	58.2%
	<i>Total</i>	<i>6,362,044</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	514,409	8.1%
2	Student	190,398	3.0%
3	Homemaker	41,743	0.7%
4	Sheltered/non-competitive employment	12,301	0.2%
5	Other	697,609	11.0%
-9	Missing/unknown/not collected/invalid	4,905,584	77.1%
	<i>Total</i>	<i>6,362,044</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	82,193	1.3%
2	No	2,529,529	39.8%
-9	Missing/unknown/not collected/invalid	3,750,322	58.9%
	<i>Total</i>	6,362,044	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	175,886	2.8%
2	Private residence	3,390,597	53.3%
3	Other	403,183	6.3%
-9	Missing/unknown/not collected/invalid	2,392,378	37.6%
	<i>Total</i>	<i>6,362,044</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	727,102	11.4%
1	1	3,677,551	57.8%
2	2	1,515,766	23.8%
3	3	441,625	6.9%
	<i>Total</i>	6,362,044	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 first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	5,132,702	80.7%
1	Disorder reported	1,229,342	19.3%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

Width: 1; 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	5,103,179	80.2%
1	Disorder reported	1,258,865	19.8%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

Width: 1; 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	5,733,054	90.1%
1	Disorder reported	628,990	9.9%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

Width: 1; 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	6,237,601	98.0%
1	Disorder reported	124,443	2.0%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

Width: 1; 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	6,333,605	99.6%
1	Disorder reported	28,439	0.4%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

Width: 1; 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	5,672,853	89.2%
1	Disorder reported	689,191	10.8%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

Width: 1; 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	4,596,136	72.2%
1	Disorder reported	1,765,908	27.8%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

Width: 1; 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	6,171,562	97.0%
1	Disorder reported	190,482	3.0%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

Width: 1; 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	6,267,397	98.5%
1	Disorder reported	94,647	1.5%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

Width: 1; 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	6,201,936	97.5%
1	Disorder reported	160,108	2.5%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

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 first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	5,629,373	88.5%
1	Disorder reported	732,671	11.5%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

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 first, second, or third mental health diagnosis field.

Value	Label	Frequency	%
0	Disorder not reported	6,066,752	95.4%
1	Disorder reported	295,292	4.6%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

Width: 1; 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	5,526,519	86.9%
1	Disorder reported	835,525	13.1%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

Width: 1; Decimal: 0

Variable Type: numeric

STATEFIP: Reporting state code

Identifies the reporting state.

Value	Label	Frequency	%
1	Alabama	103,203	1.6%
2	Alaska	11,082	0.2%
5	Arkansas	76,139	1.2%
6	California	742,725	11.7%
8	Colorado	137,290	2.2%
9	Connecticut	94,199	1.5%
10	Delaware	14,032	0.2%
11	District of Columbia	45,189	0.7%
12	Florida	204,076	3.2%
15	Hawaii	9,905	0.2%
16	Idaho	17,465	0.3%
17	Illinois	45,670	0.7%
18	Indiana	139,126	2.2%
21	Kentucky	165,999	2.6%
22	Louisiana	36,271	0.6%
24	Maryland	226,003	3.6%
25	Massachusetts	26,275	0.4%
26	Michigan	244,168	3.8%
27	Minnesota	287,670	4.5%
28	Mississippi	87,406	1.4%
29	Missouri	80,770	1.3%
30	Montana	71,770	1.1%
31	Nebraska	26,280	0.4%
32	Nevada	18,931	0.3%
34	New Jersey	425,727	6.7%
35	New Mexico	203,037	3.2%
36	New York	57,356	0.9%
37	North Carolina	107,091	1.7%
38	North Dakota	15,143	0.2%
39	Ohio	579,276	9.1%
40	Oklahoma	106,638	1.7%

STATEFIP: Reporting state code

Value	Label	Frequency	%
41	Oregon	142,930	2.2%
42	Pennsylvania	586,913	9.2%
44	Rhode Island	32,557	0.5%
45	South Carolina	99,514	1.6%
46	South Dakota	16,207	0.3%
47	Tennessee	112,426	1.8%
48	Texas	416,338	6.5%
49	Utah	56,224	0.9%
50	Vermont	31,333	0.5%
51	Virginia	126,089	2.0%
53	Washington	240,139	3.8%
55	Wisconsin	74,279	1.2%
56	Wyoming	16,710	0.3%
72	Puerto Rico	3,947	0.1%
99	Other jurisdictions	526	0.0%
	<i>Total</i>	6,362,044	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	4,473	0.1%
1	New England	184,364	2.9%
2	Middle Atlantic	1,069,996	16.8%
3	East North Central	1,082,519	17.0%
4	West North Central	426,070	6.7%
5	South Atlantic	821,994	12.9%
6	East South Central	469,034	7.4%
7	West South Central	635,386	10.0%
8	Mountain	521,427	8.2%
9	Pacific	1,146,781	18.0%
	<i>Total</i>	<i>6,362,044</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	4,473	0.1%
1	Northeast	1,254,360	19.7%
2	Midwest	1,508,589	23.7%
3	South	1,926,414	30.3%
4	West	1,668,208	26.2%
	<i>Total</i>	<i>6,362,044</i>	<i>100%</i>

Width: 2; Decimal: 0

Variable Type: numeric

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

<i>Variable</i>	<i>Type</i>	<i>Length</i>	<i>Label</i>
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
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

<i>Variable</i>	<i>Original codes</i>	<i>Recodes</i>
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

Appendix B. Variable recode table (continued)

<i>Variable</i>	<i>Original codes</i>	<i>Recodes</i>
DETDLF 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 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.