

Method Name: Facility Weights

Measure(s) Using This Method:

Mental Health Treatment Facility Access, Substance Use Treatment Facility Access

Overview:

Each individual treatment facility was assigned a facility weight based on a composite of self-reported quality and accessibility attributes. These weights define the contribution of each individual facility to the overall measure score for a ZIP Code. The outcome of this process is a weight between 0 and 1 for each facility, where a score of 1 represents a high quality, highly accessible treatment facility and a score of 0 indicates low quality, minimally accessible treatment facility. The facility weights are then used to adjust the results of the Two Step Floating Catchment Area (2SFCA) method, which determines facility spatial accessibility (see the 2SFCA method document for more information on this method).

Data Used:

Facility weights were created based on data from the National Mental Health Services Survey (N-MHSS) and the National Survey of Substance Abuse Treatment Services (N-SSATS), which are maintained by the Substance Abuse and Mental Health Services Administration (SAMHSA). These two annual surveys are intended to be a census of all public and private mental health treatment facilities and substance use treatment facilities, respectively. These datasets provide information on a wide range of facility attributes and services provided, such as payment and insurance, screening and testing, ancillary services, and more. This information feeds into SAMHSA's Treatment Facility Locator Map, where we downloaded the data used for facility weighting.¹

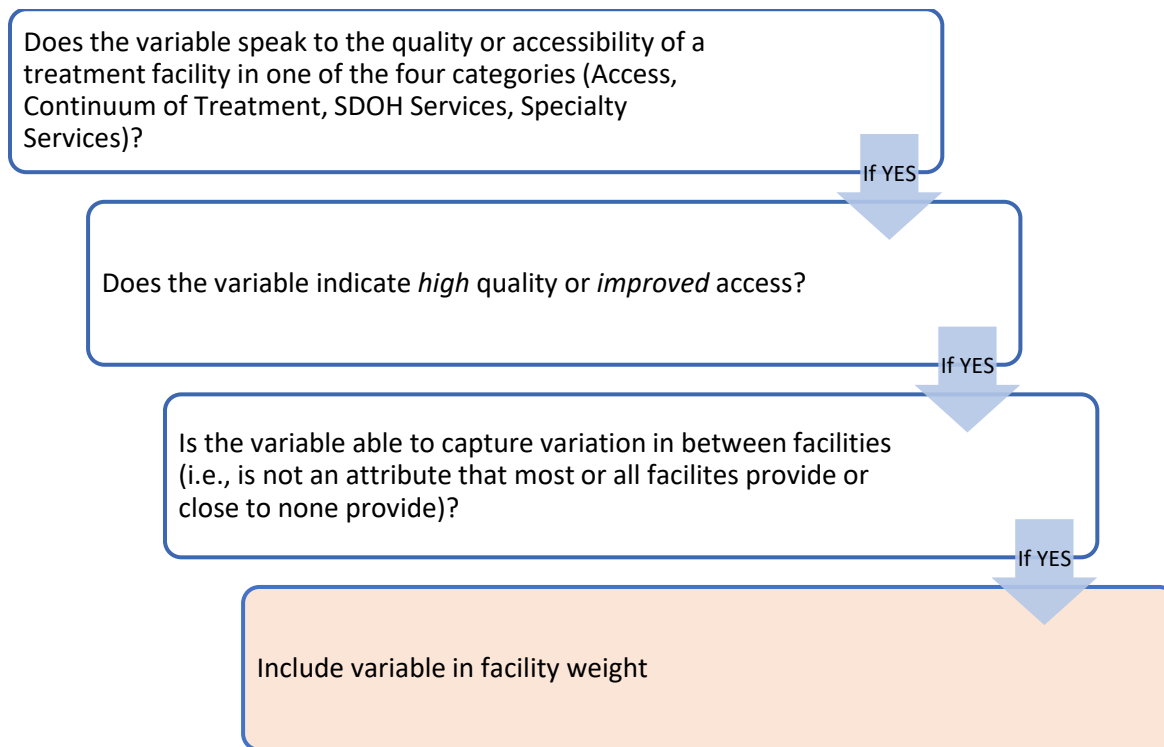
Process:

While quality and accessibility are broad concepts with respect to treatment facilities, we operationalized and defined quality and accessibility based on treatment facility attributes in 4 categories: 1) Access, 2) Continuum of Treatment, 3) Social Determinants of Health (SDOH) Services, and 4) Specialty Services offered. These four categories were created in conjunction with a subject matter expert (SME) after reviewing the codebooks of the facility attributes reported in the surveys.

- **Access** is defined as facility qualities that improve access for a wide range of populations through payment types accepted or language services offered.
- **Continuum of Treatment** is defined as the scope of services that are available to address the range of severity in substance use or mental health disorders, ranging from prevention and screening to treatments and rehabilitation.
- **SDOH Services** reflects additional services that address social determinants of health that are not considered direct treatments, such as housing, education, legal support, etc.
- **Specialty Services** reflects whether specialized care for special groups of focus or specialized conditions-specific services are provided.

¹ Substance Abuse and Mental Health Services Administration (SAMHSA). *Locator Map*. Retrieved May 18, 2021 (for substance use facilities) and June 28, 2021 (for mental health facilities) from <https://findtreatment.samhsa.gov/locator.html>

The variables from the N-SSATS and N-MHSS were reviewed and organized into these four categories or dismissed if they did not specifically refer to the quality and accessibility of a facility. Each variable was reviewed with a SME and assessed based on the following questions:



If a variable was similar to other facility variables, or if multiple variables spoke to a similar topic, they were grouped together (i.e., individual language services were grouped into an “any other languages” service category).

Calculations:

To calculate the weight of a facility ($W_{f,t}$) of either type (t) (Mental Health or Substance Use), we averaged each facility’s (f) score across the four categories.

$$W_{f,t} = \frac{Access_{f,t} + Continuum\ of\ Treatment_{f,t} + SDOH\ Services_{f,t} + Specialty\ Services_{f,t}}{4}$$

Points were assigned to each facility based on the variables within each category:

- For Substance Use Treatment Facilities, the Access category has 9 points, Continuum of Treatment has 8 points, SDOH Services has 7 points, and Specialty Services has 6 points.
- For Mental Health Treatment Facilities, the Access category has 12 points, Continuum of Treatment has 5 points, SDOH Services has 7 points, and Specialty Services has 10 points.

Efforts to maintain consistency between variables used to assess Substance Use and Mental Health Treatment Facilities when possible were made, though differences in the number of variables and attributes included are due to differences in the survey items in N-SSATS and N-MHSS.

The following four tables provide detailed information on the specific variables used within each of the four categories:

Access Variables		
Subcategory	<i>Substance Use Treatment Facilities (9 points)</i>	<i>Mental Health Treatment Facilities (12 points)</i>
<i>Payment</i>	Medicare	Medicare
	Medicaid	Medicaid
	Private health insurance	Private health insurance
	State-financed health insurance plan other than Medicaid	State-financed health insurance plan other than Medicaid
	Payment assistance	Payment assistance
	Sliding fee scale	Sliding fee scale
	N/A	Receives ANY block grants (Community mental health block grants, community service block grants, federal grants, U.S. Department of Veterans Affairs funds)
	N/A	Receives ANY state/local funds (County or local government funds, other state funds, state corrections or juvenile justice funds, state education agency funds, state mental health agency (or equivalent) funds, state welfare or child and family services funds)
<i>Language</i>	Services for deaf and hard of hearing	Services for the deaf and hard of hearing
	Spanish language services	Spanish language services
	Any other language services (Hopi, Lakota, Navajo, Ojibwa, Yupik, Arabic, any Chinese language, Creole, Farsi, French, German, Greek, Hebrew, Hindi, Hmong, Italian, Japanese, Korean, Polish, Portuguese, Russian, Tagalog, Vietnamese)	Offers ANY other language services (Hopi, Lakota, Navajo, Ojibwa, Yupik, Arabic, Any Chinese language, Creole, Farsi, French, German, Greek, Hebrew, Hindi, Hmong, Italian, Japanese, Korean, Polish, Portuguese, Russian, Tagalog, Vietnamese)
<i>Other</i>	N/A	Telemedicine/telehealth available

Continuum of Treatment Variables		
Subcategory	<i>Substance Use Treatment Facilities (8 points)</i>	<i>Mental Health Treatment Facilities (5 points)</i>
<i>Screening</i>	ANY screening & testing services (HIV, Hepatitis B, Hepatitis C, mental disorders)	Screening for tobacco use
<i>Treatment</i>	ANY non-pharmacological treatments (Anger management, brief intervention, cognitive behavioral therapy, contingency management/motivational incentives,	AT LEAST 3 non-pharmacological treatments (Cognitive behavioral therapy, dialectical behavior therapy, activity therapy, behavior modification, cognitive remediation therapy,

Continuum of Treatment Variables		
	community reinforcement plus vouchers, dialectical behavior therapy, motivational interviewing, matrix model, rational emotive behavioral therapy, substance abuse counseling, trauma-related counseling)	couples/family therapy, eye movement desensitization and reprocessing, group therapy, integrated dual disorders treatment, individual psychotherapy, trauma therapy)
	ANY prescription or maintenance services (Prescribes buprenorphine, prescribes naltrexone, buprenorphine maintenance, methadone maintenance)	N/A
	ANY opioid use treatments (Methadone, buprenorphine, naltrexone)	N/A
	ANY tobacco use treatments (Nicotine replacement therapy, non-nicotine smoking/tobacco cessation medications)	N/A
	AT LEAST 3 pharmacotherapies (Acamprosate, disulfiram, methadone, buprenorphine sub-dermal implant, buprenorphine with naloxone, buprenorphine without naloxone, buprenorphine extended-release injectable, naltrexone oral, naltrexone extended release injectable, medications for psychiatric disorders, medications for HIV treatment, medications for Hepatitis C Treatment, lofexidine, clonidine)	AT LEAST 3 pharmacotherapies (Chlorpromazine, droperidol, fluphenazine, haloperidol, loxapine, perphenazine, pimozide, prochlorperazine, thiothixene, trifluoperazine, aripiprazole, asenapine, brexpiprazole, cariprazine, clozapine, iloperidone, lurasidone, olanzapine, olanzapine/fluoxetine combination, paliperidone, quetiapine, risperidone, ziprasidone)
Recovery	ANY detoxification (Alcohol detoxification, benzodiazepines detoxification, cocaine detoxification, opioid detoxification, methamphetamines detoxification, routinely uses medication for detoxification, buprenorphine detoxification, methadone detoxification)	N/A
	AT LEAST 3 recovery and support services (Aftercare/continuing care, discharge planning, naloxone and overdose education, outcome follow-up after discharge, mentoring/peer support/consumer-run services, recovery coach, self-help groups, relapse prevention, 12-step facilitation)	Mentoring / peer support / consumer-run services
Emergency	N/A	ANY emergency mental health services (Crisis intervention team, psychiatric emergency onsite services, psychiatric emergency mobile/off-site services, psychiatric emergency walk-in services)

SDOH Services Variables		
Subcategory	Substance Use Treatment Facilities (7 points)	Mental Health Treatment Facilities (7 points)
Housing	Housing services	Housing services or supported housing

SDOH Services Variables		
<i>Family</i>	Domestic violence services – family or partner	Family psychoeducation
<i>Case Management</i>	Case management	Case management or intensive case management
<i>Social</i>	Social skills development	N/A
<i>Transportation</i>	Transportation assistance	N/A
<i>Employment</i>	Employment counseling or training	Supported employment or vocational rehabilitation services
<i>Education</i>	Vocational training or educational support (for example, high school coursework, GED preparation, etc.)	Educational services
<i>Health</i>	N/A	Any health management services (illness management and recovery, integrated primary care services, or chronic disease/illness management)
<i>Legal</i>	N/A	Legal advocacy

Specialty Services Variables		
Subcategory	<i>Substance Use Treatment Facilities (6 points)</i>	<i>Mental Health Treatment Facilities (10 points)</i>
<i>Group-focused Services</i>	Lesbian, gay, bisexual, transgender, or queer/questioning (LGBTQ) clients	Lesbian, gay, bisexual, transgender, or queer/questioning (LGBTQ) clients
	Clients referred from court/judicial system	Clients referred from court/judicial system
	Persons with HIV or AIDS	Persons with HIV or AIDS
	ANY persons who have experienced sexual abuse, intimate partner violence, domestic violence, or trauma	ANY persons who have experienced intimate partner violence, domestic violence, or trauma
<i>Condition-focused Services</i>	Persons with co-occurring mental and substance use disorders	Persons with co-occurring mental and substance use disorders
	Persons with co-occurring pain and substance use	Persons with serious mental illness
	N/A	Persons experiencing first-episode psychosis
	N/A	Persons with eating disorders
	N/A	Children/adolescents with serious emotional disturbance
	N/A	Persons with post-traumatic stress disorder