

Glossary for the input features and target labels

The compiled glossary for each of the identified input features and output features is listed in table 1 and 2 below.

Table 1: Input features

S.N	Input features	Description
1	YMDEYR	Youth: Past Year Major Depressive Episode (MDE)
2	YMDERSUD5ANY	Youth: Major Depressive Episode or Substance Use Disorder - Past Year - Diagnostic and Statistical Manual of Mental Disorders, 5th Edition - Any
3	YMDEIMAD5YR	Youth: Past Year Major Depressive Episode with Severe Impairment and Alcohol Use Disorder - Diagnostic and Statistical Manual of Mental Disorders, 5th Edition
4	YMIMS5YANY	Youth: Past Year Major Depressive Episode with Severe Impairment and Substance Use Disorder - Diagnostic and Statistical Manual of Mental Disorders, 5th Edition - Any
5	YMDELT	Youth: Lifetime Major Depressive Episode (MDE)
6	YMDEHARX	Youth: Saw Health Professional and Prescribed Medication for Major Depressive Episode in Past Year
7	YMDEHPRX	Youth: Saw Health Professional or Prescribed Medication for Major Depressive Episode in Past Year
8	YMDETXRX	Youth: Received Treatment/Counseling or Prescribed Medication for Major Depressive Episode in Past Year
9	YMDEHPO	Youth: Saw Health Professional Only for Major Depressive Episode in Past Year
10	YMDEAUD5YR	Youth: Past Year Major Depressive Episode and Alcohol Use Disorder - Diagnostic and Statistical Manual of Mental Disorders, 5th Edition
11	YMIMI5YANY	Youth: Past Year Major Depressive Episode with Severe Impairment and Illicit Drug Use Disorder - Diagnostic and Statistical Manual of Mental Disorders, 5th Edition - Any
12	YMIUD5YANY	Youth: Past Year Major Depressive Episode and Illicit Drug Use

		Disorder - Diagnostic and Statistical Manual of Mental Disorders, 5th Edition - Any
13	YMDESUD5ANY O	Youth: Only Major Depressive Episode, Only Substance Use Disorder, Both, or Neither - Past Year - Diagnostic and Statistical Manual of Mental Disorders, 5th Edition - Any
14	YNURSMDE	Youth: Saw/Talked to Nurse/Occupational Therapist About Major Depressive Episode in Past Year
15	YSOCMDE	Youth: Saw/Talked to Social Worker About Major Depressive Episode in Past Year
16	YCOUNMDE	Youth: Saw/Talked to Counselor About Major Depressive Episode in Past Year
17	YPSY1MDE	Youth: Saw/Talked to Psychologist About Major Depressive Episode in Past Year
18	YPSY2MDE	Youth: Saw/Talked to Psychiatrist About Major Depressive Episode in Past Year
19	YHLMDE	Youth: Saw/Talked to Health Professional About Major Depressive Episode in Past Year
20	YDOCMDE	Youth: Saw/Talked to General Practitioner/Family Doctor About Major Depressive Episode in Past Year
21	YTXMDEYR	Youth: Saw or Talked to Doctor/Professional for Major Depressive Episode in Past Year
22	YUSUITHKYR	Youth: Seriously Thought About Killing Self in Past Year
23	YUSUIPLNYR	Youth: Made Plans to Kill Self in Past Year
24	YUSUITHK	Youth: Seriously Thought About Killing Self in Past 12 Months
25	YUSUIPLN	Youth: Made Plans to Kill Yourself in Past 12 Months
26	MDEIMPY	Youth: Major Depressive Episode with Severe Role Impairment
27	LVLDFMEM2	Level of Difficulty Remembering or Concentrating
28	YMSUD5YANY	Youth: Past Year Major Depressive Episode and Substance Use Disorder - Diagnostic and Statistical Manual of Mental Disorders, 5th Edition - Any

29	YRXMDEYR	Youth: Used Prescription Medication for Major Depressive Episode in Past Year
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Table 1: Target labels

S.N	Target labels	Description
1	YOWRCONC	On most days, did you have a lot more trouble than usual keeping your mind on things?
2	YOSEEDOC	At any time in the past 12 months, did you see or talk to a medical doctor or other professional about your feelings?
3	YO_MDEA5	Others Noticed That the Respondent Was Restless or Lethargic
4	YOWRLSIN	During that worst period of time, did you become bored with almost everything like school, work, hobbies, and things you like to do for fun?
5	YODPPROB	Did you ever have any of the problems (sleep, eating, energy, the ability to keep their mind on things, feeling bad about yourself) during a period of time when you felt for two weeks or longer?
6	YOWRPROB	Can you think of the worst time when you felt for two weeks or longer and also had these other problems (sleep, eating, energy, the ability to keep their mind on things, feeling bad about yourself) at the same time?
7	YODPR2WK	Think about the times when you felt. Did you ever have a period of time like this that lasted most of the day, almost every day, for two weeks or longer?
8	YOWRDEPR	Think about the period of time/most recent period of time when your felt and other problems (sleep, eating, energy, the ability to keep their mind on things, feeling bad about yourself) were the worst. During that time, did you feel sad, empty, or depressed for most of the day nearly every day?
9	YODPDISC	During times when you felt sad, empty, or depressed most of the day, did you ever feel discouraged about how things were going in your life?
10	YOLOSEV	Have you ever had a period of time lasting several days or longer when you lost interest and became bored with most things you

		usually enjoy, like work, hobbies, and personal relationships?
11	YOWRDCSN	Were you unable to make up your mind about things you ordinarily have no trouble deciding about?
12	YODSMMDE	Score of Symptom (for Depressed Mood or Loss of Interest or Pleasure in Daily Activities) Indicators 1 Through 9
13	YO_MDEA3	Changes in Appetite or Weight
14	YODPLSIN	During the times when you felt sad, empty, or depressed, did you ever lose interest and become really bored with most things like school, work, hobbies, and other things that are usually fun for you, like listening to music, watching TV, movies, or sports, playing computer games, or going out with friends?
15	YOWRELES	Think about the period of time/most recent period of time when your felt and other problems (sleep, eating, energy, the ability to keep their mind on things, feeling bad about yourself) were the worst. Did you eat much less than usual almost every day during that time?
16	YOPB2WK	In the past 12 months, did you have a period of time when you felt for two weeks or longer while also having some of the other problems (sleep, eating, energy, the ability to keep their mind on things, feeling bad about yourself) we asked about?

More information about these can be found on the NSDUH 2021 codebook at :

<https://www.datafiles.samhsa.gov/sites/default/files/field-uploads-protected/studies/NSDUH-2021/NSDUH-2021-datasets/NSDUH-2021-DS0001/NSDUH-2021-DS0001-info/NSDUH-2021-DS0001-info-codebook.pdf> , and at NSDUH 2022 codebook at :

<https://www.datafiles.samhsa.gov/sites/default/files/field-uploads-protected/studies/NSDUH-2022/NSDUH-2022-datasets/NSDUH-2022-DS0001/NSDUH-2022-DS0001-info/NSDUH-2022-DS0001-info-codebook.pdf>