

**CDC Suicide Attempt v1**  
**Definition Factsheet & Technical Brief**

**Description:** Created by partners in the CDCs National Center for Injury Prevention to support states and jurisdictions to query visits related to a suicide attempt, or self-directed and potentially injurious behavior with any intent to die as a result of the behavior.

**New or Revised Definition:** New

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**Authored by** the NSSP Community of Practice.

**Table 1.** Inclusion and exclusion terms.

| Terms                                                                                              | Description                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Inclusion</i>                                                                                   |                                                                                                                                                                                       |
| <b>International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM)</b> |                                                                                                                                                                                       |
| T14.91                                                                                             | Suicide attempt                                                                                                                                                                       |
| X71                                                                                                | Intentional self-harm by drowning and submersion                                                                                                                                      |
| X72                                                                                                | Intentional self-harm by handgun discharge                                                                                                                                            |
| X73                                                                                                | Intentional self-harm by rifle, shotgun and larger firearm discharge                                                                                                                  |
| X74                                                                                                | Intentional self-harm by other and unspecified firearm and gun discharge                                                                                                              |
| X75                                                                                                | Intentional self-harm by explosive material                                                                                                                                           |
| X76                                                                                                | Intentional self-harm by smoke, fire and flames                                                                                                                                       |
| X77                                                                                                | Intentional self-harm by steam, hot vapors and hot objects                                                                                                                            |
| X78                                                                                                | Intentional self-harm by sharp object                                                                                                                                                 |
| X79                                                                                                | Intentional self-harm by blunt object                                                                                                                                                 |
| X80                                                                                                | Intentional self-harm by jumping from a high place                                                                                                                                    |
| X81                                                                                                | Intentional self-harm by jumping or lying in front of moving object                                                                                                                   |
| X82                                                                                                | Intentional self-harm by crashing of motor vehicle                                                                                                                                    |
| X83                                                                                                | Intentional self-harm by other specified means                                                                                                                                        |
| T3[6-9].[X0-9][X0-9]2                                                                              | Poisoning by, adverse effect of and underdosing of drugs, medicaments and biological substances; intentional self-harm                                                                |
| T[4-5][0-9].[X0-9][X0-9]2                                                                          | Poisoning by, adverse effect of and underdosing of drugs, medicaments and biological substances; toxic effects of substances chiefly nonmedicinal as to source; intentional self-harm |
| T6[0-5].[X0-9][X0-9]2                                                                              | Toxic effects of substances chiefly nonmedicinal as to source; intentional self-harm                                                                                                  |
| T71.[X0-9][X0-9]2                                                                                  | Asphyxiation; intentional self-harm                                                                                                                                                   |

| Terms                                                                                             | Description                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| T3[6-9].[X0-9]2X[ADS]                                                                             | Poisoning by, adverse effect of and underdosing of drugs, medicaments and biological substances; regex pattern preserves intentional self-harm position and A/D/S encounter extension as represented in source syntax |
| T[4-5][0-9].[X0-9]2X[ADS]                                                                         | Poisoning by, adverse effect of and underdosing of drugs, medicaments and biological substances; toxic effects of substances chiefly nonmedicinal as to source; intentional self-harm                                 |
| T6[0-5].[X0-9]2X[ADS]                                                                             | Toxic effects of substances chiefly nonmedicinal as to source; intentional self-harm                                                                                                                                  |
| T71.[X0-9]2X[ADS]                                                                                 | Asphyxiation; intentional self-harm                                                                                                                                                                                   |
| T50.[ABZ][129]2                                                                                   | Poisoning by, adverse effect of and underdosing of bacterial vaccines; viral vaccines; other and unspecified drugs, medicaments and biological substances; intentional self-harm                                      |
| <b>International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM)</b> |                                                                                                                                                                                                                       |
| E950                                                                                              | Suicide and self-inflicted poisoning by solid or liquid substances                                                                                                                                                    |
| E951                                                                                              | Suicide and self-inflicted poisoning by gases in domestic use                                                                                                                                                         |
| E952                                                                                              | Suicide and self-inflicted poisoning by other gases and vapors                                                                                                                                                        |
| E953                                                                                              | Suicide and self-inflicted injury by hanging strangulation and suffocation                                                                                                                                            |
| E954                                                                                              | Suicide and self-inflicted injury by submersion (drowning)                                                                                                                                                            |
| E955                                                                                              | Suicide and self-inflicted injury by firearms air guns and explosives                                                                                                                                                 |
| E956                                                                                              | Suicide and self-inflicted injury by cutting and piercing instrument                                                                                                                                                  |
| E957                                                                                              | Suicide and self-inflicted injuries by jumping from high place                                                                                                                                                        |
| E958                                                                                              | Suicide and self-inflicted injury by other and unspecified means                                                                                                                                                      |
| E959                                                                                              | Late effects of self-inflicted injury                                                                                                                                                                                 |
| <b>SNOMED Concepts</b>                                                                            |                                                                                                                                                                                                                       |
| 82313006                                                                                          | Suicide attempt                                                                                                                                                                                                       |
| 55554002                                                                                          | Suicide attempt by inadequate means                                                                                                                                                                                   |
| 287181000                                                                                         | Attempted suicide - hanging                                                                                                                                                                                           |
| 891003                                                                                            | Suicide by self-administered drug                                                                                                                                                                                     |
| 44301001                                                                                          | Suicide                                                                                                                                                                                                               |
| 53846008                                                                                          | Suicide attempt by adequate means                                                                                                                                                                                     |
| 274228002                                                                                         | Suicide by drug overdose                                                                                                                                                                                              |
| 86849004                                                                                          | Suicidal poisoning                                                                                                                                                                                                    |
| 287182007                                                                                         | Attempted suicide by suffocation                                                                                                                                                                                      |
| 287190007                                                                                         | Suicide by hanging                                                                                                                                                                                                    |

| Terms                                                                                                                                            | Description                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 269725004                                                                                                                                        | Suicide and selfinflicted injury                  |
| 460991000124106                                                                                                                                  | Intentional overdose by unknown/unspecified drugs |
| 59274003                                                                                                                                         | Intentional drug overdose                         |
| <b>Chief Complaint – Nested Together with AND: At Least One Attempt/Intent Term AND At Least One Suicide/Self-Harm Method Term Must Co-occur</b> |                                                   |
| <b>Attempt / Intent Terms</b>                                                                                                                    |                                                   |
| ATTEMPT                                                                                                                                          |                                                   |
| TRY                                                                                                                                              |                                                   |
| TRIED TO                                                                                                                                         |                                                   |
| INTENTIONAL                                                                                                                                      |                                                   |
| <b>Suicide / Self-Harm Method Terms</b>                                                                                                          |                                                   |
| KILL                                                                                                                                             |                                                   |
| HANG                                                                                                                                             |                                                   |
| SHOOT                                                                                                                                            |                                                   |
| OVERDOSE                                                                                                                                         |                                                   |
| OD                                                                                                                                               |                                                   |
| END LIFE                                                                                                                                         |                                                   |
| SUICIDE                                                                                                                                          |                                                   |
| SUIC                                                                                                                                             |                                                   |
| SUCI                                                                                                                                             |                                                   |
| SUSCI                                                                                                                                            |                                                   |
| SUISID                                                                                                                                           |                                                   |
| <b>Chief Complaint – Standalone Term</b>                                                                                                         |                                                   |
| SUICIDE                                                                                                                                          |                                                   |
| <i>Exclusion</i>                                                                                                                                 |                                                   |
| <b>Chief Complaint – Exclusion Terms Applied to Attempt / Intent Terms</b>                                                                       |                                                   |
| NO ATTEMPT                                                                                                                                       |                                                   |
| UNINTENTIONAL                                                                                                                                    |                                                   |
| ACCIDENTAL                                                                                                                                       |                                                   |
| <b>Chief Complaint – Exclusion Terms Applied to Suicide / Self-Harm Method Terms</b>                                                             |                                                   |

| Terms                                            | Description |
|--------------------------------------------------|-------------|
| CHANG                                            |             |
| RESUSCI                                          |             |
| <b>Chief Complaint – General Exclusion Terms</b> |             |
| END OF LIFE                                      |             |
| END OF BATTERY LIFE                              |             |
| DENIES SELF HARM / DENIED SELF HARM              |             |
| NO SELF HARM                                     |             |
| ACCIDENT                                         |             |
| HOMICI                                           |             |
| DENIES SI / DENIED SI                            |             |
| DENIES ANY SI / DENIED ANY SI                    |             |
| DENIES CURRENT SI / DENIED CURRENT SI            |             |
| NO SI                                            |             |
| NOT SI                                           |             |
| DENIES SUIC / DENIED SUIC                        |             |
| DENIES CURRENT SUIC / DENIED CURRENT SUIC        |             |
| DENIES ANY SUIC / DENIED ANY SUIC                |             |
| DENIES S/H / DENIED S/H                          |             |
| RT SI                                            |             |
| RIGHT SI                                         |             |
| NOT SUIC                                         |             |

**Table 2.** ESSENCE syntax.

(,^[/ ]T14.91^,or,^[/ ]T1491^,or,^[/ ]X7[1-9]^,or,^[/ ]X8[0-3]^,or,^[/ ]T3[6-9].[X0-9][X0-9]2^,or,^[/ ]T3[6-9][X0-9][X0-9]2^,or,^[/ ]T[4-5][0-9].[X0-9][X0-9]2^,or,^[/ ]T[4-5][0-9][X0-9][X0-9]2^,or,^[/ ]T6[0-5].[X0-9][X0-9]2^,or,^[/ ]T6[0-5][X0-9][X0-9]2^,or,^[/ ]T71.[X0-9][X0-9]2^,or,^[/ ]T71[X0-9][X0-9]2^,or,^[/ ]T3[6-9].[X0-9]2X[ADS]^,or,^[/ ]T3[6-9][X0-9]2X[ADS]^,or,^[/ ]T[4-5][0-9].[X0-9]2X[ADS]^,or,^[/ ]T[4-5][0-9][X0-9]2X[ADS]^,or,^[/ ]T6[0-5].[X0-9]2X[ADS]^,or,^[/ ]T6[0-5][X0-9]2X[ADS]^,or,^[/ ]T71.[X0-9]2X[ADS]^,or,^[/ ]T71[X0-9]2X[ADS]^,or,^[/ ]T50.[ABZ][129]2^, or,^[/ ]T50[ABZ][129]2^,or,^[/ ]E95[0-9]^,or,^82313006^,or,^55554002^,or,^287181000^,or,^891003^,or,^44301001^,or,^53846008^,or,^274228002^,or,^86849004^,or,^287182007^,or,^287190007^,or,^269725004^,or,^287181000^,or,^460991000124106^,or,^59274003^),or,(,(, (^ATTEMPT^,ANDNOT,^NO ATTEMPT^),OR,^[/ ]TRY^,OR,TRY^,OR,^TRIED TO^,OR,(^INTENTIONAL^,ANDNOT,(^UNINTENTIONAL^,OR,^ACCIDENTAL^),),),AND,(^KILL^,OR,(^HANG^,ANDNOT,^CHANG^),OR,^SHOOT^,OR,^OVERDOSE^,OR,^[/ ;.]OD[/ ;.]^,OR,OD,OR,OD[/ ;.]^,OR,^[/ ;.]OD,OR,^ END^LIFE^,OR,^SUICIDE^,OR,^SUIC^,OR,^SUCI^,OR,(^SUSCI^,ANDNOT,^RESUSCI^),OR,^SUISID^),or,SUICIDE),ANDNOT,(^END OF LIFE^,OR,^END OF BATTERY LIFE^,OR,^DENIE[SD] SELF HARM^,OR,^NO SELF HARM^,OR,^ACCIDENT^,OR,^HOMICI^,OR,^DENIE[SD] SI[ V;.]^,OR,^DENIE[SD] SI,OR,^DENIE[SD] ANY SI[ V;.]^,OR,^DENIE[SD] ANY SI,OR,^DENIE[SD] CURRENT SI[ V;.]^,OR,^DENIE[SD] CURRENT SI,OR ^NO SI[ V;.]^,OR,^NO SI,OR,^NOT SI[V;.]^,OR,^NOT SI,OR,^DENIE[SD] SUIC^,OR,^DENIE[SD] CURRENT SUIC^,OR,^DENIE[SD] ANY SUIC^,OR,^DENIE[SD] S/H^,OR,^RT SI[ V;.]^,OR,^RT SI,OR,^RIGHT SI[/ ;.]^,OR,^RIGHT SI,OR,^NOT SUIC^,)