

CDC All Opioid Overdose v4 Parsed
Drug Overdose Surveillance and Epidemiology (DOSE) System Guidance
Syndromic Surveillance Definition Factsheet and Technical Brief

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Definition Purpose: To assist state, local, tribal, territorial, and federal public health practitioners in monitoring emergency department (ED) visits for suspected nonfatal opioid-involved overdoses using syndromic surveillance data.

New or Revised Definition: Revision of CDC Opioid Overdose v3

Date Added to ESSENCE: August 28, 2023

Definition Description: The opioid overdose syndrome definition was designed to identify ED visits for suspected nonfatal opioid-involved overdoses of unintentional or undetermined intent. The query uses the Chief Complaint Discharge Diagnosis (CCDD) Parsed field (a combination of chief complaint and discharge diagnosis parsed) from ED visit records to identify encounters that meet the definition criteria:

- (1) The chief complaint free text field is queried for terms indicating an overdose/poisoning and opioid involvement and for relevant exclusion terms (e.g., terms indicating fentanyl administration by medical personnel, opioid withdrawal without acute intoxication, etc., which would exclude ED visit records from this syndrome definition), and
- (2) the discharge diagnosis parsed coded field is queried for International Classification of Diseases, Clinical Modification, 9th Revision (ICD-9-CM),¹ International Classification of Diseases, Clinical Modification, 10th Revision (ICD-10-CM),² and Systematized Nomenclature of Medicine – Clinical Terms (SNOMED-CT)³ diagnosis codes indicating acute opioid poisoning.

Within ESSENCE, the syndrome query is applied to the CCDD Parsed field, which combines these two fields of interest.

Use-Cases for Definition:

Case-finding

¹ World Health Organization. International Classification of Diseases, Ninth Revision, Clinical Modification. World Health Organization; 1980.

² World Health Organization. International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM). World Health Organization; 2015.

³ National Library of Medicine. SNOMED-CT. Accessed [Dec 5 2023].
<https://www.nlm.nih.gov/healthit/snomedct/index.html>

- Trend monitoring
- Early outbreak detection

Justification for Development: Opioids, including illegally-made fentanyl, are driving recent increases in drug overdose mortality in the United States.⁴ This definition was developed to help public health practitioners track and understand trends of nonfatal opioid-involved overdoses treated in EDs in near real-time.

Data Source During Development: ED visits

Development Methods: This is the same logic as for the CCDD Category CDC Opioid Overdose v3 syndrome definition, but it is adapted to query the CCDD Parsed field, which mainly removes extraneous text from the discharge diagnosis portion of the CCDD field. Because of differences between the CCDD and CCDD Parsed fields, query results may be different between versions 3 and 4 of the opioid overdose syndrome definitions.

The definition was developed by testing ICD-10-CM, ICD-9-CM, and SNOMED-CT diagnosis codes indicating an acute opioid poisoning or intoxication and ICD-10-CM codes for opioid use, abuse, and dependence.

Next, overdose terms and opioid-specific terms that could be present in the chief complaint free text field were identified and added. Lastly, exclusion terms were identified (e.g., terms indicating fentanyl administration by medical personnel, withdrawal without acute intoxication, etc.) to avoid incorrectly capturing encounters that were not for an opioid-involved overdose.

Validation Methods: Three methods were employed to validate this new definition.

- 1) CDC NSSP scientists used R code to convert syntax from (A) the previous Stimulant Overdose versions that queried the Chief Complaint Discharge Diagnosis (CCDD) field to (B) syntax that would more effectively query the Chief Complaint Discharge Diagnosis (CCDD) Parsed field. These conversions focused on changes to diagnostic code formatting within the syntax. The CDC DOSE team checked to see whether the syntax converted correctly (i.e., did not eliminate codes or terms that were intended to capture opioid-involved overdoses).
- 2) CDC DOSE scientists piloted the draft definition by manually reviewing records that were captured after aforementioned conversion of syntax.
- 3) Overall summary counts over time comparing opioid overdose syndrome definitions v3 and v4 were analyzed to determine whether there were large deviations in trends.

Validation steps 2 and 3 were iterative processes and were repeated until, as a result of the syntax changes, most new ED records that were included and excluded were a result of syntax conversion only. In addition, and the large picture trends during 2021-2022 were similar. For more information on initial development of the CDC Opioid Overdose version 3, please refer to its accompanying documentation.⁵

Definition Fields and Structure: The CCDD Parsed field is used to query both the diagnosis codes and chief

⁴ Spencer MR, Miniño AM, Warner M. Drug overdose deaths in the United States, 2001–2021. NCHS Data Brief, no 457. Hyattsville, MD: National Center for Health Statistics. 2022. DOI: <https://dx.doi.org/10.15620/cdc:122556>

⁵ CDC Opioid Overdose version 3 Brief:

https://cdn.ymaws.com/www.cste.org/resource/resmgr/overdose_surveillance/CDC_Opioid_Definition_v3.pdf

complaint free text field with exclusions (as necessary) to develop the syndrome definition.

- Automatic inclusion:
 - If a diagnosis code indicates an opioid poisoning of unintentional or undetermined intent is present, the ED visit is automatically included in the syndrome.
 - In addition, the ED visits are automatically included in the syndrome if an F11 ICD-10-CM code for opioid use “with intoxication” (e.g., F11229) is present or if there is a mention of naloxone in the chief complaint text.
 - The ED visit is automatically included in the syndrome definition if the ED visit meets one or more of the nested drug overdose definitions:
 - Heroin Overdose v5 Parsed
 - CDC Fentanyl Overdose v2 Parsed
- Conditional inclusion:
 - If the ED visit does not include diagnosis codes mentioned in the automatic inclusion above (opioid poisoning of unintentional or undetermined intent, or a diagnosis code for non-poisoning opioid use with intoxication), or mention of naloxone in the chief complaint text, then the visit is not automatically included.
 - The visit is captured only if it includes two components:
 - 1) Chief complaint text indicating an overdose or poisoning **AND**
 - 2a) Chief complaint text indicating opioid involvement **OR**
 - 2b) an ICD-10-CM code for opioid use, abuse, or dependence without intoxication (e.g., F1190).
 - The list of exclusions is applied to the chief complaint text only when the automatic inclusion criteria are not met.

For Consideration: CDC identified several non-poisoning ICD-10-CM codes for inclusion in the syndrome definition (e.g., F11 codes where “with intoxication” is indicated). Because the difference between poisoning and intoxication is unclear, CDC chose to consider the specific F-codes that include “with intoxication.” However, other F11 codes that indicated opioid “abuse” without mention of intoxication may not indicate an overdose. CDC staff explored these codes and determined that the inclusion of those opioid-related F codes was only relevant when the chief complaint text also included an overdose term. The team attempted to identify most drug names used for opioids; however, it is likely that some drug names and slang terms should be added to the next version of the definition.

Limitations: This definition is subject to limitations, including varying and limited toxicology and confirmatory testing in ED facilities to identify the specific drug(s) involved in the overdose. This definition is not meant to differentiate opioid-involved overdoses due to prescription versus illegal drugs. Also, this definition is not designed to differentiate fentanyl and fentanyl analogs from other opioids. Opioid-involved overdoses involving fentanyl and fentanyl analogs are included if they mention fentanyl in the chief complaint or have a discharge diagnosis code for fentanyl poisoning (CDC also maintains a separate fentanyl overdose-specific syndrome). Additionally, this definition is not meant to measure the burden of opioid-involved overdoses, but rather to detect trends in nonfatal opioid-involved overdoses presenting to EDs. It also does not specifically measure opioid use or opioid prescription trends; it is only for surveillance of suspected, nonfatal opioid-involved overdoses. Also, visits with a mention of Narcan or naloxone terms are classified as opioid-involved overdoses, but it is not always documented in the chief complaint whether the patient was responsive to naloxone administration. After record reviews, it was determined that a large majority of the records containing Narcan and naloxone were true opioid-involved overdoses. The

codes provided in the discharge diagnosis field from the ED visit record do not necessarily represent the final diagnosis of a patient and should be considered preliminary. Finally, some hospitals may enter all diagnosis codes from a patient’s entire medical history that were not indicative of the current visit; this may result in overreporting. The team attempted to identify all appropriate inclusion and exclusion terms to capture any suspected nonfatal opioid-involved overdoses while avoiding capturing encounters that were not for an acute opioid-involved overdose or poisoning, but it is possible that some of these encounters were erroneously captured, which may also lead to slight overreporting.

Acknowledgements: The CDC DOSE team would like to acknowledge the contributions of CDC NSSP staff members Zach Stein, Michael Sheppard, and Mukesh Hamal in recoding the query to the CCDD Parsed field and reviewing the query revisions.

Detailed Definition Components

Table 1. Descriptions of discharge diagnosis codes, concepts, and chief complaint terms included or excluded in the CDC Opioid Overdose v4 Parsed.

Variable Type	Automatic inclusion?	Terms	Description (discharge diagnosis codes only)
Inclusions			
<i>Discharge Diagnosis codes</i>			
ICD-9-CM ¹	Yes	96500	Poisoning by opium
		96501	Poisoning by heroin
		96502	Poisoning by methadone
		96509	Poisoning by other opiates and related narcotics
		E8500	Accidental poisoning by heroin
		E8501	Accidental poisoning by methadone
		E8502	Accidental poisoning by other opiates and related narcotics
ICD-10-CM ¹	Yes	T401X1A	Poisoning by heroin, accidental (unintentional), initial encounter
		T401X4A	Poisoning by heroin, undetermined, initial encounter
		T400X1A	Poisoning by opium, accidental (unintentional), initial encounter
		T400X4A	Poisoning by opium, undetermined, initial encounter
		T402X1A	Poisoning by other opioids, accidental (unintentional), initial encounter
		T402X4A	Poisoning by other opioids, undetermined, initial encounter
		T403X1A	Poisoning by methadone, accidental (unintentional), initial encounter
		T403X4A	Poisoning by methadone, undetermined, initial encounter

		T404X1A ²	Poisoning by other synthetic narcotics, accidental (unintentional), initial encounter
		T404X4A ²	Poisoning by other synthetic narcotics, undetermined, initial encounter
		T40411A ³	Poisoning by fentanyl or fentanyl analogs, accidental (unintentional), initial encounter
		T40414A ³	Poisoning by fentanyl or fentanyl analogs, undetermined, initial encounter
		T40421A ³	Poisoning by tramadol, accidental (unintentional), initial encounter
		T40424A ³	Poisoning by tramadol, undetermined, initial encounter
		T40491A ³	Poisoning by other synthetic narcotics, accidental (unintentional), initial encounter
		T40494A ³	Poisoning by other synthetic narcotics, undetermined, initial encounter
		T40601A	Poisoning by unspecified narcotics, accidental (unintentional), initial encounter
		T40604A	Poisoning by unspecified narcotics, undetermined, initial encounter
		T40691A	Poisoning by other narcotics, accidental (unintentional), initial encounter
		T40694A	Poisoning by other narcotics, undetermined, initial encounter
ICD-10-CM ¹ opioid abuse/dependence/use with intoxication	Yes	F1112	Opioid abuse with intoxication
		F11120	Opioid abuse with intoxication, uncomplicated
		F11121	Opioid abuse with intoxication delirium
		F11122	Opioid abuse with intoxication with perceptual disturbance
		F11129	Opioid abuse with intoxication, unspecified
		F1122	Opioid dependence with intoxication
		F11220	Opioid dependence with intoxication, uncomplicated
		F11221	Opioid dependence with intoxication delirium
		F11222	Opioid dependence with intoxication with perceptual disturbance
		F11229	Opioid dependence with intoxication, unspecified

		F1192	Opioid use, unspecified with intoxication
		F11920	Opioid use, unspecified with intoxication, uncomplicated
		F11921	Opioid use, unspecified with intoxication delirium
		F11922	Opioid use, unspecified with intoxication with perceptual disturbance
		F11929	Opioid use, unspecified with intoxication, unspecified
SNOMED-CT	Yes	295174006	Heroin overdose (disorder)
		295175007	Accidental heroin overdose (disorder)
		295176008	Heroin overdose of undetermined intent (disorder)
		295165009	Morphinan opioid overdose
		242253008	Overdose of opiate
		297199006	Accidental overdose of opiate (disorder)
		295213004	Overdose of opiate analgesic of undetermined intent (disorder)
		295196000	Fentanyl overdose of undetermined intent
		295194002	Accidental fentanyl overdose (disorder)
		295193008	Fentanyl overdose (disorder)
		290204003	Fentanyl poisoning of undetermined intent
		290202004	Accidental fentanyl poisoning
		290201006	Fentanyl poisoning (disorder)
ICD-10-CM ¹ opioid abuse/dependence/use without intoxication	No, include only if other overdose-related terms are also present	F1110	Opioid abuse, uncomplicated
		F1190	Opioid use, unspecified, uncomplicated
		F1120	Opioid dependence, uncomplicated
<i>Chief Complaint terms</i>			
Naloxone term	Yes	Naloxone (narcan, evzio)	
Overdose-related terms	Conditional, include only if other opioid-related terms are also present AND no exclusion terms	Poison, overdose, nod, snort, ingest, intoxication, unresponsive, loss of consciousness, shortness/short of breath, altered mental status (and misspellings).	
Opioid-related terms	Conditional, include only if other overdose-related terms are also present AND no exclusion terms	Opioid/opiate/opium, heroin, speedball, dope, methadone, suboxone, oxycodone, Percocet, Vicodin, fentanyl, hydrocodone, morphine, codeine, oxymorphone, Dilaudid, hydromorphone, tramadol, buprenorphine, and other common opioid brand and generic names (and misspellings).	
<i>Exclusions</i>			

Chief complaint	Exclude if encounter captured from opioid and overdose-related terms only (i.e., exclusion terms are applied to the chief complaint text only when the automatic inclusion criteria are not met)	Commonly identified negations for overdose-related or opioid-related terms, oxygen-related terms, phentermine, infant, elephant, nodule/node, terms indicating opioids administered by medical personnel and terms indicating withdrawal or detoxification.
Nested definitions		
Fentanyl v2 Parsed Overdose definition	Yes	Example terms include fentanyl and fentanyl-specific overdose terms (and misspellings). See technical brief for Fentanyl Overdose v2 Parsed for complete diagnostic codes and terms lists.
Heroin Overdose v5 Parsed definition	Yes	Example terms include heroin, speedball, and dope (and misspellings). See technical brief for Heroin Overdose v5 Parsed for complete diagnostic codes and terms lists.

¹ICD-9-CM and ICD-10-CM code punctuation is removed when querying the CCDD Parsed field.

²These codes were discontinued as of Sep 30, 2020. More information can be found in: Casillas SM, Scholl L, Mustaquim D, Vivolo-Kantor A. Analysis of trends and usage of ICD-10-CM discharge diagnosis codes for poisonings by fentanyl, tramadol, and other synthetic narcotics in emergency department data. *Addict Behav Rep.* 2022 Oct 20;16:100464. doi: 10.1016/j.abrep.2022.100464.

³These new codes were released on October 1, 2020. More information can be found in: Casillas SM, Scholl L, Mustaquim D, Vivolo-Kantor A. Analysis of trends and usage of ICD-10-CM discharge diagnosis codes for poisonings by fentanyl, tramadol, and other synthetic narcotics in emergency department data. *Addict Behav Rep.* 2022 Oct 20;16:100464. doi: 10.1016/j.abrep.2022.100464.

Table 2. ESSENCE syntax, CDC Opioid Overdose v4 Parsed

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(,^narcan^,OR,^naloxo^,OR,^;T40[012346][X0129][14]A^,OR,^;F11[129]2^,OR,^;9650[0129];^,OR,^;E850[012]^,OR,^;295174006;^,OR,^;295175007;^,OR,^;295176008;^,OR,^;295165009;^,OR,^;242253008;^,OR,^;297199006;^,OR,^;295213004;^,OR,^;295196000;^,OR,^;295194002;^,OR,^;295193008;^,OR,^;290204003;^,OR,^;290202004;^,OR,^;290201006;^),OR,(,(,^poison^,OR,^verdo[se][se]^,OR,^overdose^,OR,^overose^,OR,^ovrdose^,OR,^nodding^,OR,^nodding^,OR,^snort^,OR,^in[gj]est^,OR,^intoxic^,OR,^unresponsive^,OR,^loss of consciousness^,ANDNOT,(,^without loss of consciousness^,OR,^no loss of consciousness^,OR,^denie[sd] loss of consciousness^,OR,^negative loss of consciousness^),OR,(,^shortness of breath^,OR,^short of breath^),ANDNOT,(,^denies short^,OR,^no shortness^),OR,^altered mental status^),AND,(,^her[io][oi]n^,OR,^hod!^,OR,^speedball^,OR,^speedball^,OR,^dope^,OR,^opioid^,OR,^op[io][oi]d^,OR,^opiate^,OR,^opate^,OR,^op[iu][ui]m^,OR,^opum^,OR,^met hadone^,OR,^suboxone^,OR,(,^oxymor^,OR,^oxyco^,OR,^oxyco^,OR,^oxyi^,OR,^oxy!^),ANDNOT,(,^oxy sat!^,OR,^oxy state!^,OR,^oxy high^,OR,^oxy low^,OR,^oxy mask!^,OR,^oxy given^,OR,^given oxy!^,OR,^oxy clean^,OR,^low oxy!^,OR,^high oxy!^,OR,^placed on oxy!^,OR,^pulse oxy!^,OR,^oxy deep cleaner^,OR,^not enough oxy!^,OR,^oxy level^),),OR,^percoc^,OR,^vicod^,OR,^fent^,ANDNOT,(,^received fentanyl^,OR,^administered fentanyl^,OR,^given fentanyl^,OR,^fentanyl en route^,OR,^fentanyl enrt^,OR,^fent en route^,OR,^fentanyl given^,OR,^fentynl given^,OR,^gave fent^,OR,^gave fentanyl^,OR,^given fentanyl^,OR,^mcg fentanyl^,OR,^mcg fent^,OR,^mcg of fent^,OR,^fentanyl 75^,OR,^fentanyl 50^,OR,^50 fentanyl^,OR,^fentanyl 100^,OR,^100 fentanyl^,OR,^fentanyl 150^,OR,^120 fent given^,OR,^intranasal fent^,OR,^milligram fent^,OR,^milligram of fentanyl^,OR,^fenton!^,OR,^fent pta^,OR,^fentanyl pta^,OR,^fentynl 100!^,OR,^fentynyl 100^,OR,^fentynal 50^,OR,^fentynl 50^,OR,^fent 50^,OR,^fent 100^,OR,^fent 150^,OR,^diffently^,OR,^received fent!^,OR,^recieved fent!^,OR,^given 50!^,OR,^given 100!^,OR,^given 150!^,OR,^gave 50!^,OR,^gave 100!^,OR,^gave 150!^,OR,^doses of fent!),OR,^phent^,ANDNOT,(,^stephentown^,OR,^phentermine^,OR,^phentxr^,OR,^phentemine^),OR,^hydrocod^,OR,^morphin^,ANDNOT,(,^given morphin^,OR,^gave morphin^,OR,^10 milligram of morphin^,OR,^milligram morphin^,OR,^4 morphin^,OR,^rec[ei][ei]ved
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morphin^,),OR,^cod[e][ie]n^,OR,^codene^,OR,^dilaud^,OR,^hydromor^,OR,^tramad^,OR,^suboxin^,OR,^bupr
enorphine^,OR,^Abstral^,OR,^Actiq^,OR,^Avinza^,OR,^Butrans^,OR,^Demer[oa]^,OR,^Dolophine^,OR,^Durage
sic^,OR,^Fentora^,OR,^Hysingla^,OR,^Methadose^,OR,^Morphabond^,OR,^Nucynta^,OR,^Onsolis^,OR,^Oram
orph^,OR,^Oxaydo^,OR,^Roxanol^,OR,^Sublimaze^,OR,^Xtampza^,OR,^Zohydro^,OR,^Anexsia
^,OR,^CoGesic^,OR,^Cogesic^,OR,!Embeda!,OR,^Exalgo^,OR,^Hycet^,OR,^Hycodan^,OR,^Hydromet^,OR,^Ibud
one^,OR,^Kadian^,OR,^Liquicet^,OR,^Lorcet^,OR,^Lortab^,OR,^Maxidone^,OR,!MS
Contin!,OR,^Norco^,ANDNOT,(,^norco 10
milligram^,OR,^Norcotic^,),OR,!Opana!,OR,^Oxycet^,OR,^Palladone^,OR,^Percodan^,OR,^Reprexain^,OR,^Rezi
ra^,OR,^Roxicet^,OR,^Targiniq^,OR,^TussiCaps^,OR,!Tussione!,OR,^Tuzistra^,OR,^Vicoprofen^,OR,^Vituz^,OR,^
Xartemis^,OR,^Xodol^,OR,^Zolvit^,OR,^Zutripro^,OR,^Zydone^,OR,^Ultram^,OR,^;F11[129]0^,),),ANDNOT,(,^d
enie[sd] her[io][oi]n^,OR,^deny her[io][oi]n^,OR,^denying her[io][oi]n^,OR,^denie[sd] drug^,OR,^deny
drug^,OR,^denying drug^,OR,^denies any drug^,OR,^with
dra^,OR,^withdra^,OR,^deto[sxz]^,OR,^dtox^,OR,^sedat^,),),or,(,^;T401X1A^,OR,^;T401X4A^,OR,^;96501^,OR,
^;E8500^,OR,^;295174006^,OR,^;295175007^,OR,^;295176008^,),),OR,(,(,^narcan^,OR,^naloxo^,OR,^poison
^,OR,^verdo[se][se]^,OR,^over
dose^,OR,^overose^,OR,^nodding^,OR,!nod!,OR,^snort^,OR,^in[gj]est^,OR,^intoxic^,OR,(,^unresponsiv^,OR,^l
oss of consciousness^,OR,^syncop^,),),ANDNOT,(,^no loss of consciousness^,OR,^denie[sd] loss of
consciousness^,OR,^negative loss of consciousness^,OR,^denies any loss of consciousness^,),OR,(,(,^shortness
of breath^,OR,^short of breath^,),),ANDNOT,^denies short^,),OR,^altered mental
status^,),AND,(,^her[io][oi]n^,OR,!hod!,OR,^speedball^,OR,^speed ball^,OR,^dope^,),),ANDNOT,(,^denie[sd]
her[io][oi]n^,OR,^deny her[io][oi]n^,OR,^denying her[io][oi]n^,OR,^denie[sd] drug^,OR,^deny
drug^,OR,^denying drug^,OR,^denies any drug^,OR,^with
dra^,OR,^withdra^,OR,^detoxification^,OR,^detos^,OR,^detoz^,OR,^dtox^,),),or,(,^;T40411A^,OR,^;T40414A^,
OR,^;290201006^,OR,^;290202004^,OR,^;290204003^,OR,^;295193008^,OR,^;295194002^,OR,^;29519600
0^,^),OR,(,(,^f[ea]nt^,OR,^ph[ea]nt^,),AND,(,^naloxo^,OR,^narcan^,OR,^evzio^,),),OR,(,(,^f[ea]nt^,OR,^ph[ea]
nt^,),AND,(,^poison^,OR,^verdo[sez][se]^,OR,^over dose^,OR,^overose^,OR,^
nod^,OR,^snort^,OR,^in[gj]est^,OR,^intoxic^,OR,^unresponsive^,OR,^loss of
consciousness^,OR,^unconscious^,OR,^syncop^,OR,^shortness of breath^,OR,^short of breath^,OR,^altered
mental status^,OR,^agonal breath^,OR,^agonal resp^,OR,^stopped breathing^,OR,^pinpoint^,OR,^dilated
pupil^,OR,^slump^,OR,^cyanosis^,OR,^blue lips^,OR,^hypoxia^,),),ANDNOT,(,^administered
f[ea]nt^,OR,^f[ea]nt[aiyn][nly][aioyl][ln] administered^,OR,^f[ea]nt[aiyn][nly][aioyl]
administered^,OR,^f[ea]nt[aiyn][nly] administered^,OR,^f[ea]nt[aiyn] administered^,OR,^f[ea]nt
administered^,OR,^given f[ea]nt^,OR,^f[ea]nt[aiyn][nly][aioyl][ln] given^,OR,^f[ea]nt[aiyn][nly][aioyl]
given^,OR,^f[ea]nt[aiyn][nly] given^,OR,^f[ea]nt[aiyn] given^,OR,^f[ea]nt given^,OR,^gave f[ea]nt^,OR,^got
f[ea]nt^,OR,^rec[e]ved f[ea]nt^,OR,^pta f[ea]nt^,OR,^f[ea]nt[aiyn][nly][aioyl][ln] [ie]n
route^,OR,^f[ea]nt[aiyn][nly][aioyl] [ie]n route^,OR,^f[ea]nt[aiyn][nly] [ie]n route^,OR,^f[ea]nt[aiyn] [ie]n
route^,OR,^f[ea]nt [ie]n route^,OR,^f[ea]nt[aiyn][nly][aioyl][ln] [ie]nroute^,OR,^f[ea]nt[aiyn][nly][aioyl]
[ie]nroute^,OR,^f[ea]nt[aiyn][nly] [ie]nroute^,OR,^f[ea]nt[aiyn] [ie]nroute^,OR,^f[ea]nt
[ie]nroute^,OR,^f[ea]nt[aiyn][nly][aioyl][ln] route^,OR,^f[ea]nt[aiyn][nly][aioyl] route^,OR,^f[ea]nt[aiyn][nly]
route ^,OR,^f[ea]nt[aiyn] route^,OR,^f[ea]nt route^,OR,^f[ea]nt[aiyn][nly][aioyl][ln] by
EMS^,OR,^f[ea]nt[aiyn][nly][aioyl] by EMS^,OR,^f[ea]nt[aiyn][nly] by EMS^,OR,^f[ea]nt[aiyn] by EMS^,OR,^
f[ea]nt by EMS^,OR,^f[ea]nt[aiyn][nly][aioyl][ln] on board^,OR,^f[ea]nt[aiyn][nly][aioyl] on
board^,OR,^f[ea]nt[aiyn][nly] on board^,OR,^f[ea]nt[aiyn] on board^,OR,^f[ea]nt on
board^,OR,^f[ea]nt[aiyn][nly][aioyl][ln] [123456789][0257][05]^,OR,^f[ea]nt[aiyn][nly][aioyl]
[123456789][0257][05]^,OR,^f[ea]nt[aiyn][nly] [123456789][0257][05]^,OR,^f[ea]nt[aiyn]
[123456789][0257][05]^,OR,^f[ea]nt [123456789][0257][05]^,OR,^[123456789][0257][05]
f[ea]nt^,OR,^[123456789][05] f[ea]nt^,OR,^[123456789][0257][05] of f[ea]nt^,OR,^[123456789][05] of
f[ea]nt^,OR,^doses of f[ea]nt^,OR,^mcg f[ea]nt^,OR,^mcgs f[ea]nt^,OR,^mcg of f[ea]nt^,OR,^mcgs of
f[ea]nt^,OR,^mg of f[ea]nt^,OR,^milligram f[ea]nt^,OR,^milligram of f[ea]nt^,OR,^mcq f[ea]nt^,OR,^mcq of
f[ea]nt^,OR,^mcf f[ea]nt^,OR,^mcf of f[ea]nt^,OR,^mcb f[ea]nt^,OR,^mcb of f[ea]nt^,OR,^mch
f[ea]nt^,OR,^mch of f[ea]nt^,OR,^intranasal f[ea]nt^,OR,^intramuscular f[ea]nt^,OR,^diffent^,OR,^fenton
^,OR,^phantom^,OR,^phentermine^,OR,^phentrimine^,OR,^fentermine^,OR,^phenteramine^,OR,^fanting^,OR
^,^fanted^,OR,^elephant^,OR,^elphant^,OR,^infant^,OR,^no loss of conscio^,OR,^denie[sd] loss of

consciousness^,OR,^negative loss of consciousness^,OR,^with
dra^,OR,^withdra^,OR,^withdraw^,OR,^detox^,OR,^dtox^,OR,^detos^,OR,^denies
sob^,OR,^nodule^,OR,^node^,OR,^accifent^,OR,^signifantly^,OR,^ibuprofent^,OR,^bonfante^,,)