

CODEBOOK for EXCIPIENTS (INACTIVE INGREDIENTS) EXTRACTED FROM US FDA HUMAN DRUG LABELS IN OCTOBER 2019.
See OpioidData.org for details.

```
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name: <unnamed>
log: /Users/nabarun/Dropbox/OneDrive - University of North Carolina at Chapel Hill/Excipients
> /Search terms/Excipient names/excipient_codebook.txt
log type: text
opened on: 14 Nov 2019, 22:00:07
```

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                                codebook, h n

Dataset: allcsingredientswide.dta
Last saved: 14 Nov 2019 22:00

Label: [none]
Number of variables: 31
Number of observations: 18,876
Size: 14,949,792 bytes ignoring labels, etc.
```

```
-----
drugid (unlabeled)
-----
```

```
type: numeric (int)

range: [1,2056]          units: 1
unique values: 2,015      missing.: 0/18,876

mean: 1022.84
std. dev: 592.515

percentiles:      10%      25%      50%      75%      90%
                  191      508.5    1023    1528    1846
```

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-----
tradenamename Trade Name
-----
```

```
type: string (strL)

unique values: 407          missing "": 0/18,876

examples: "Clonazepam"
          "Hydrocodone Bitartrate and Acetaminophen"
          "Morphine Sulfate"
          "TRAMADOL HYDROCHLORIDE"

warning: variable has embedded blanks
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-----
establishedpharmacologicclasses Established Pharmacologic Class(es)
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```

```
type: string (strL)

unique values: 30          missing "": 0/18,876

examples: "Benzodiazepine"
          "Central Nervous System Stimulant"
          "Opioid Agonist"
          "Opioid Agonist"

warning: variable has embedded blanks
```

```
-----
activemoietynames Active Moiety Name(s)
-----
```

```
type: string (str54)

unique values: 91          missing "": 0/18,876

examples: "acetaminophen; oxycodone"
          "caffeine; ergotamine"
          "hydrocodone; methylhomatropine"
          "oxazepam"
```

warning: variable has embedded blanks

dosageforms	Dosage Form(s)
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type: string (str65)

unique values: 45 missing "": 0/18,876

examples: "capsule, extended release"
"tablet"
"tablet"
"tablet"

warning: variable has embedded blanks

routesofadministration	Route(s) of Administration
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type: string (str49)

unique values: 24 missing "": 144/18,876

examples: "oral"
"oral"
"oral"
"oral"

warning: variable has embedded blanks

marketingcategory	Marketing Category
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type: string (str22)

unique values: 4 missing "": 61/18,876

tabulation:	Freq.	Value
	61	"
	15,469	"ANDA"
	2,163	"NDA"
	731	"NDA authorized generic"
	452	"Unapproved drug other"

warning: variable has embedded blanks

company	Company
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type: string (str67)

unique values: 269 missing "": 12/18,876

examples: "BRYANT RANCH PREPACK"
"LAKE ERIE MEDICAL AND SURGICAL SUPPLY DBA QUALITY
CARE PRODUCTS LLC"
"PAR PHARMACEUTICAL"
"REMEDYREPACK INC"

warning: variable has embedded blanks

marketyear	Extracted year of market launch
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type: string (str4)

unique values: 55 missing "": 61/18,876

examples: "2000"
"2009"
"2012"
"2015"

ingredientverbatim (unlabeled)

type: string (strL)
unique values: 743 missing "": 0/18,876
examples: "Caffeine"
"HYDROCODONE BITARTRATE"
"OXYMORPHONE HYDROCHLORIDE"
"STARCH, CORN"
warning: variable has embedded and trailing blanks

ingredient Cleaned up ingredient name

type: string (str98)
unique values: 417 missing "": 0/18,876
examples: "crospovidone"
"hydrated silica"
"microcrystalline cellulose"
"sodium lauryl sulfate"
warning: variable has embedded and trailing blanks

rank Order of declaration position for all ingredients

type: numeric (byte)
range: [1,31] units: 1
unique values: 31 missing .: 0/18,876
mean: 6.1842
std. dev: 4.26163
percentiles: 10% 25% 50% 75% 90%
1 3 5 9 12

rankinactive Order of declaration position of ALL inactive ingredients

type: numeric (byte)
range: [1,30] units: 1
unique values: 30 missing .: 2,909/18,876
mean: 5.59717
std. dev: 4.02718
percentiles: 10% 25% 50% 75% 90%
1 3 5 8 11

rankinactivesub NOT including colorings: Order of declaration position of inactive ingredients

type: numeric (byte)
range: [1,25] units: 1
unique values: 25 missing .: 5,396/18,876
mean: 4.61936
std. dev: 3.11626
percentiles: 10% 25% 50% 75% 90%
1 2 4 6 9

active Active ingredient=1; inactive=0

type:	numeric (byte)		
range:	[0,1]	units:	1
unique values:	2	missing .:	0/18,876
tabulation:	Freq.	Value	
	15,967	0	
	2,909	1	

coloring	Inactive ingredient is a coloring = 1
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type:	numeric (byte)		
range:	[0,1]	units:	1
unique values:	2	missing .:	0/18,876
tabulation:	Freq.	Value	
	16,389	0	
	2,487	1	

opioid	1 if any active ingredient is opioid
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type:	numeric (byte)		
range:	[0,1]	units:	1
unique values:	2	missing .:	0/18,876
tabulation:	Freq.	Value	
	7,836	0	
	11,040	1	

barbiturate	1 if any active ingredient is barbiturate
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type:	numeric (byte)		
range:	[0,1]	units:	1
unique values:	2	missing .:	0/18,876
tabulation:	Freq.	Value	
	17,689	0	
	1,187	1	

benzodiazepine	1 if any active ingredient is benzodiazepine
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type:	numeric (byte)		
range:	[0,1]	units:	1
unique values:	2	missing .:	0/18,876
tabulation:	Freq.	Value	
	13,827	0	
	5,049	1	

stimulant	1 if any active ingredient is stimulant
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type:	numeric (byte)		
range:	[0,1]	units:	1
unique values:	2	missing .:	0/18,876
tabulation:	Freq.	Value	
	15,957	0	
	2,919	1	

stimulan_notonlycaff	1 if any active ingredient is stimulant but not caffeine
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```

type: numeric (byte)
range: [0,1]
unique values: 2
units: 1
missing .: 0/18,876

tabulation: Freq. Value
17,217 0
1,659 1

```

```

activeingredients Active Ingredient(s)

```

```

type: string (str111)
unique values: 166 missing "": 0/18,876

examples: "ACETAMINOPHEN; OXYCODONE HYDROCHLORIDE"
"CHLORDIAZEPOXIDE HYDROCHLORIDE"
"HYDROMORPHONE HYDROCHLORIDE"
"OXYCODONE HYDROCHLORIDE"

warning: variable has embedded blanks

```

```

activemoietyuniis Active Moiety UNII(s)

```

```

type: string (str46)
unique values: 87 missing "": 0/18,876

examples: "36209ITL9D; 6YKS4Y3WQ7"
"3G6A5W338E"
"76I7G6D29C"
"N91BDP6H0X; YU55MQ3IZY"

warning: variable has embedded blanks

```

```

activeingredientuniis Active Ingredient UNII(s)

```

```

type: string (str46)
unique values: 93 missing "": 0/18,876

examples: "36209ITL9D; KHS0AZ4JVK"
"5PE9FDE8GB"
"C1ENJ2TE6C"
"O26FZP769L"

warning: variable has embedded blanks

```

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marketingdatesyyyymmdd Marketing Date(s) (YYYY/MM/DD)

```

```

type: string (strL)
unique values: 1,113 missing "": 61/18,876

examples: "2000/04/27-"
"2009/05/01-"
"2012/03/14-"
"2015/06/22-"

warning: variable has embedded blanks

```

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initialusapproval Initial U.S. Approval

```

```

type: numeric (int)
range: [1941,2011]
unique values: 30
units: 1
missing .: 14,024/18,876

```

```

      mean: 1972.61
    std. dev: 25.4465

percentiles:      10%      25%      50%      75%      90%
                  1941      1950      1968      2000      2002
-----
mostrecentspldateyyyymmdd                                Most Recent SPL Date (YYYY/MM/DD)
-----

      type: numeric (long)

      range: [19870403,20190930]          units: 1
unique values: 1,055                      missing .: 0/18,876

      mean: 2.0e+07
    std. dev: 32000.5

percentiles:      10%      25%      50%      75%      90%
                  2.0e+07  2.0e+07  2.0e+07  2.0e+07  2.0e+07
-----
ndcs                                                    NDC(s)
-----

      type: string (strL)

unique values: 1,982                      missing "": 0/18,876

examples: "16590-423"
          "49999-847"
          "59011-260; 59011-261; 59011-262; 59011-263;
          59011-264"
          "66336-444"

warning: variable has embedded blanks
-----
applicationnumbers                                Application Number(s)
-----

      type: string (str48)

unique values: 683                      missing "": 639/18,876

examples: "202104"
          "22304"
          "71457"
          "77171"
-----
shortcompany                                Trimmed manufacturer name for data viz
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      type: string (str34)

unique values: 233                      missing "": 12/18,876

examples: "BRYANT RANCH"
          "LAKE ERIE MEDICAL"
          "PAR"
          "REMEDYREPACK"

warning: variable has embedded blanks
-----
dailymedlink                                DailyMed Link
-----

      type: string (str90)

unique values: 2,015                      missing "": 0/18,876

examples: "http://dailymed.nlm.nih.gov/dailymed/lookup.cfm?seti
          d=33e082f6-6df8-4da5-a47e-8e7f5af168d5"
          "http://dailymed.nlm.nih.gov/dailymed/lookup.cfm?seti
          d=5b50291b-68c7-45a6-ae38-59f137ca7620"

```

```
"http://dailymed.nlm.nih.gov/dailymed/lookup.cfm?seti  
d=8d4a9c18-f9e8-4474-8c76-7378bcdcacb6"  
"http://dailymed.nlm.nih.gov/dailymed/lookup.cfm?seti  
d=c397a9da-862f-4f3f-8109-7d21691de53a"
```

```
.                               log close  
    name: <unnamed>  
    log:  /Users/nabarun/Dropbox/OneDrive - University of North Carolina at Chapel Hill/Excipients  
> /Search terms/Excipient names/excipient_codebook.txt  
    log type: text  
    closed on: 14 Nov 2019, 22:00:09  
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