National Health and Nutrition Examination Survey

2017-March 2020 Data Documentation, Codebook, and Frequencies

Prescription Medications (P_RXQ_RX)

Data File: P_RXQ_RX.xpt

First Published: September 2021

Last Revised: NA

Component Description

The NHANES program suspended field operations in March 2020 due to the coronavirus disease 2019 (COVID-19) pandemic. As a result, data collection for the NHANES 2019-2020 cycle was not completed and the collected data are not nationally representative. Therefore, data collected from 2019 to March 2020 were combined with data from the NHANES 2017-2018 cycle to form a nationally representative sample of NHANES 2017-March 2020 pre-pandemic data. These data are available to the public. Please refer to the Analytic Notes section for more details on the use of the data.

The Dietary Supplement and Prescription Medication section of the Sample Person (SP) Questionnaire collects information on 1) dietary supplements, 2) nonprescription antacids, 3) prescription medications, and 4) preventive aspirin use.

The Prescription Medications Questionnaire (variable name prefix RXQ) provides personal interview data on the use of prescription medications during a one-month period prior to the participant's interview date.

Eligible Sample

All participants in the NHANES 2017–March 2020 pre-pandemic sample were eligible.

Interview Setting and Mode of Administration

These questions were asked, in the home, by trained interviewers using the Computer-Assisted Personal Interview (CAPI) system. They were administrated as part of Dietary Supplements and Prescription Medication section of the Sample Person Questionnaire. Participants over 16 years of age answered for themselves; a proxy provided information for survey participants who were under 16 years of age and for those who could not answer for themselves.

The NHANES 2017-2018 and 2019-2020 Dietary Supplement and Prescription Medication sections of the SP Questionnaire are available on the NHANES website.

Quality Assurance & Quality Control

Data were routinely examined for discrepancies and erroneous entries. All drug names entered by the interviewer were compared to the medication names selected from the drug database. Review of the 2017–March 2020 RXQ data indicated that nearly 96% of all reported drugs were matched to the drug database used for the 2017–March 2020 data release. This included 83% exact matches and 13% similar matches. Drug names were edited if either entered or selected drug names were incorrect. About 4% that were not matched to the drug database were also reviewed and edited. The most common reasons for a non-match were incorrect spelling of the drug, insufficient detail to identify the drug, or reporting of a nonprescription product that was not in the drug database.

A list of possible reasons for use assigned to each drug was incorporated into the computer to assist the data collection. Review of the 2017–March 2020 data indicated that 85% of reported reasons were selected from the list. Other 15% of reported reasons with text entries were reviewed and edited after the data collection.

Data Processing and Editing

Data Collection Methods

During the household SP interview, survey participants are asked if they have taken medications in the past 30 days for which they needed a prescription. Those who answer "yes" are asked to show the interviewer the medication containers of all the products used. For each medication reported, the interviewer enters the product's complete name from the container into a computer. If no container is available, the interviewer asks the participant to verbally report the name of the medication.

When the interviewer enters a medication name into the computer, the name is automatically matched to a prescription drug database on the computer to identify an exact match or similar text matches (refer below for details on the prescription medication database). The interviewer then selects the best match from a drug list of possible matches. The original product entered by the interviewer and the product selected from the computer drug list are saved as separate variables for quality control purposes. If an exact or similar match of the medication cannot be found in the database, the interviewer is instructed to select "drug not found on list."

Participants are also asked how long they have been taking the medication and the main reason for use. A list of possible reasons (indications of medication use and possible off-label use) pre-assigned to each selected drug is displayed on the computer. The interviewer is instructed to select up to 3 reasons from the reason list that best match to the main reason described by the participant. If an appropriate reason is not available from the list, the interviewer is instructed to enter the main reason as described by the participant.

Prescription Medication Questions Included in this Data Release

- Was any prescription medication taken in the past 30 days?
- Medication name?
- Was medication container seen by interviewer?
- How long was medication taken?
- What is the main reason for which you use medication?
- Number of prescription medications taken?

Prescription Medication Database for Data Collection

Lexicon Plus®, a proprietary database of Cerner Multum, Inc. was used to assist in data collection. Lexicon Plus® is a comprehensive database of all prescription and some nonprescription drug products available in the U.S. drug market. For NHANES, the Lexicon Plus® files were modified and uploaded to a laptop computer and incorporated into a search engine for use by interviewers. The computer file was updated at the beginning of each survey year to incorporate changes to Lexicon Plus® and include products approved and available to the U.S. public in the prior year.

Data Editing

General editing of data

When a variable was modified globally, as part of the editing process, the third letter in the variable name was changed from a Q (i.e., RXQ) to a D (i.e., RXD). For example, variables that were obtained from an external drug database will have the letter "D" in the third position of the variable name.

Prescription medications incorrectly reported in other subsections of questionnaire

Prescription antacids that were incorrectly reported in the nonprescription antacid section of the questionnaire were removed from the antacid file and added to the prescription medication file.

Prescription supplements are released in the Dietary Supplements Data file. Some prescription medications were mistakenly recorded in the dietary supplement section. These were removed from that file and added to the prescription medication file. Any prescription dietary supplement that was incorrectly reported in the prescription medication section was removed from the prescription medication section and moved to the dietary supplement section. The following products were moved to the Dietary Supplements files (DSQ):

- All calcium products except calcium acetate;
- All fluoride products except those in topical gel or cream forms (e.g., stannous fluoride);

- All vitamins except the injection form of vitamins; and

- Over-the-counter niacin, niacinamide, nicotinic acid, and fish oil.

All prescription niacin, fish oil, potassium, and sodium products were retained in the prescription medication file. Injectable prescription vitamin B or iron were also retained in the prescription medication file.

Products reported in the prescription medication section that were only available as an **over-the-counter product** during 2017–March 2020 were removed from the prescription medication file, except over-the-counter insulin, and products containing pseudoephedrine.

Specific variables and edits

RXDUSE: Have you taken or used any prescription medicines in the past month?

This variable was the lead-in question to the series of questions on prescription medication use. It accounts for all prescription medications except prescription dietary supplements, which are included in the dietary supplement files (DSQ). A small number of persons refused to answer this question (coded 7) or did not know whether they used a prescription medication in the past month (coded 9).
This variable was edited and takes into account prescription medications reported in this section as well as prescription medications moved into this file from the dietary supplements or nonprescription antacids sections of the questionnaire.

RXDCOUNT: The number of prescription medicines taken?

This variable was computed in the data process and represents the total number of prescription medications reported by the participant, including those drugs identified as unknown (RXDDRUG = 55555). The count has been adjusted for all prescription medications moved into and those moved out of the prescription medication section. However, the count is not a comprehensive count of all prescription medications used by a participant because prescription dietary supplements are part of the dietary supplement section. There were also participants who reported the use of a prescription medication in the past month (RXDUSE = 1) but did not know the name of the medication (RXDDRUG = 99999) or refused to report the name of the medication (RXDDRUG = 77777). Each product reported as "refused" or "don't know" is still included in the total count of prescription medications used under RXDCOUNT.

RXQSEEN: Medicine container seen by interviewer?

There was no editing of this variable.

RXDDAYS: For how long have you been taking this medicine?

This variable was created from a two-part (number and unit) question and indicates how long the participant reported taking each prescription medication. Responses were recorded in days, weeks, months, and years. To facilitate analysis, all answers were converted to days using conversion factors of 7 days per week, 30.4 days per month, and 365 days per year. There were persons who reported the use of a prescription medication but did not know how long they had been using the medication (RXDDAYS = 99999) or refused to report the length of use (RXDDAYS = 77777). There were also persons who reported the use of a prescription medication but did not report the length of use. RXDDAYS is missing for those persons.

Drug Database for Data Release

Lexicon Plus®, a proprietary database of Cerner Multum, Inc. was used to assist with data editing and release. The December 2019 Multum Lexicon drug database was used for creating the P_RXQ_RX data release file. For additional information, refer to the drug information (RXQ_DRUG) documentation.

Creation of additional data release variables

RXDDRUG: Generic drug name

All reported drug names were converted to standard generic drug names for data release. For multi-ingredient products, the ingredients were listed in alphabetical order (i.e., Acetaminophen; Codeine).

There were participants who reported the use of a prescription medication but did not know the name of the drug or refused to report the name. These entries were coded as don't know (99999) and refused (77777), respectively. There were also medications reported with insufficient detail to accurately identify the exact product, but there was some information about the therapeutic class of the drug. These products have been released with Multum's therapeutic category name followed by "- unspecified" (e.g., anti-infective - unspecified; hormones/hormone modifiers - unspecified). The names of a limited number of reported drugs could not be identified by NCHS as a known prescription product. These entries were counted as

prescription medications, since there is no evidence that they are not, and have been coded as 55555, unknown drug.

RXDDRGID: Generic drug code

Each generic drug name is associated with a unique generic drug code from Multum's Lexicon Drug Database. Multum's generic drug code always begins with a "d". There were some drug names reported by participants that were not found in the Lexicon drug database. These have been assigned unique drug codes beginning with an "a" or "h". Unspecified products with known therapeutic action have drug codes beginning with a "c" and are followed by their respective Multum therapeutic category code. RXDDRGID is missing for unknown drugs (55555), refused (77777), or don't know (99999) RXDDRUG entries.

Therapeutic class codes associated with a drug are found in a separate data release file, RXQ_DRUG.

International Classification of Disease, Tenth Revision, Clinical Modification (ICD-10-CM) Code for Data release

The ICD-10-CM is a system used by physicians and other healthcare providers to classify and code all diagnoses, symptoms and procedures recorded in conjunction with hospital care in the United States. To facilitate data analysis, NCHS used ICD-10-CM codes (https://www.icd10data.com/ICD10CM/Codes) to classify the health problems participants reported as the main reason for taking the prescription medication. Thus, the associated ICD-10-CM codes were based on participant reported reason and not directly reported by a doctor or other health professional or by a review of the medical record. ICD-10-CM diagnosis codes have between 3 and 7 characters. In general, the self-reported health problems were coded to the fourth digit ICD-10-CM level of specificity. However, in some cases only the first three digits as the heading of a category of codes was used; and in other cases, the sixth digit ICD-10-CM level of specificity was used. See the Appendix for a list of ICD-10-CM codes and description assigned to reasons for use reported by participants in 2017–March 2020.

Reason for use (as reported by participant) data release variables

RXDRSC1, RXDRSC2, RXDRSC3: ICD-10-CM code

The participants' reported reasons were converted to an ICD-10-CM code for data release. Up to a maximum of 3 ICD-10-CM codes were used if multiple reasons were reported for a specific medication use. When reported reason was for disease prevention, an appropriate ICD-10-CM code followed by a letter "P" was used (e.g., A49.9P Prevent bacterial infection; D75.9P Prevent blood clots). When a reported reason was not specific enough to be assigned an ICD-10-CM code for the subtype of disease, an ICD-10-CM code for a most common subtype of disease was used (e.g., E11 for diabetes; E78.0 for high cholesterol). When a reported reason did not indicate a single episode or recurrent, an ICD-10-CM code for a single episode was used (e.g., F32.9 for depression). When a reported reason was a symptom due to an underlying disease, a disease code was used (e.g., I51.9 for fluid retention due to heart problem; K76.9 for fluid retention due to liver problem).

There were participants who reported the use of a prescription medication but did not know why they took it or refused to report the reason for use. These were coded as 99999, don't know, and 77777, refused, respectively. There were some reported reasons that could not be converted to an appropriate ICD-10-CM code. These entries have been grouped into unspecified ICD-10-CM codes or coded as 55555, unknown. A few rare diseases were also coded as 55555, unknown.

RXDRSD1, RXDRSD2, RXDRSD3: ICD-10-CM code description

Each ICD-10-CM code is associated with a description (diseases, symptoms, health status, and so on). RXDRSD1 is missing for unknown reasons (55555), refused (77777), or don't know (99999) RXDRSC1 entries.

There are two files related to the prescription medication data. The contents of each file are described below. The files can be linked by the variable RXDDRGID.

This file contains data on all survey participants and their use of a prescription medications. Participants who reported the use of multiple prescription medications will have multiple records, that is, a record for each drug.

Another file named RXQ_DRUG contains therapeutic drug class information on all drugs reported by NHANES participants from 1988–1994 through 2017–March 2020. It contains drug (up to 4) and ingredient (up to 6) therapeutic category codes for each drug. It also has a variable that identifies if the drug is made of a single ingredient or multiple ingredients.

P_RXQ_RX: Participant's Use of Prescription Drug(s)

Variable Name	Label
SEQN	Respondent sequence number
RXDUSE	Taken prescription medicine, past month
RXDDRUG	Generic drug name
RXDDRGID	Generic drug code
RXQSEEN	Medicine container seen by interviewer
RXDDAYS	Number of days taken medicine
RXDRSC1	ICD-10-CM code 1
RXDRSC2	ICD-10-CM code 2
RXDRSC3	ICD-10-CM code 3
RXDRSD1	ICD-10-CM code 1 description
RXDRSD2	ICD-10-CM code 2 description
RXDRSD3	ICD-10-CM code 3 description
RXDCOUNT	Number of prescription medicines taken

RXQ_DRUG: Drug Information

Variable Name	Label
RXDDRGID	Generic drug code
RXDDRUG	Generic drug name
RXDINGFL	SINGLE/MULTIPLE INGREDIENT DRUG
RXDDCI1A	DRUG CATEGORY ID - CAT 1, LEV 1
RXDDCI1B	DRUG CATEGORY ID - CAT 1, LEV 2
RXDDCI1C	DRUG CATEGORY ID - CAT 1, LEV 3
RXDDCI2A	DRUG CATEGORY ID - CAT 2, LEV1
RXDDCI2B	DRUG CATEGORY ID - CAT 2, LEV 2
RXDDCI2C	DRUG CATEGORY ID - CAT 2, LEV 3
RXDDCI3A	DRUG CATEGORY ID - CAT 3, LEV 1
RXDDCI3B	DRUG CATEGORY ID - CAT 3, LEV 2
RXDDCI3C	DRUG CATEGORY ID - CAT 3, LEV 3
RXDDCI4A	DRUG CATEGORY ID - CAT 4, LEV 1
RXDDCI4B	DRUG CATEGORY ID - CAT 4, LEV 2
RXDDCI4C	DRUG CATEGORY ID - CAT 4, LEV 3
RXDDCN1A	DRUG CATEGORY NAME - CAT 1, LEV 1
RXDDCN1B	DRUG CATEGORY NAME - CAT 1, LEV 2
RXDDCN1C	DRUG CATEGORY NAME - CAT 1, LEV 3
RXDDCN2A	DRUG CATEGORY NAME - CAT 2, LEV 1
RXDDCN2B	DRUG CATEGORY NAME - CAT 2, LEV 2
RXDDCN2C	DRUG CATEGORY NAME - CAT 2, LEV 3
RXDDCN3A	DRUG CATEGORY NAME - CAT 3, LEV 1
RXDDCN3B	DRUG CATEGORY NAME - CAT 3, LEV 2
RXDDCN3C	DRUG CATEGORY NAME - CAT 3, LEV 3
RXDDCN4A	DRUG CATEGORY NAME - CAT 4, LEV 1
RXDDCN4B	DRUG CATEGORY NAME - CAT 4, LEV 2
RXDDCN4C	DRUG CATEGORY NAME - CAT 4, LEV 3
RXDICI1A	INGREDIENT CATEGORY ID - CAT 1, LEV 1
RXDICI1B	INGREDIENT CATEGORY ID - CAT 1, LEV 2
RXDICI1C	INGREDIENT CATEGORY ID - CAT 1, LEV 3
RXDICI2A	INGREDIENT CATEGORY ID - CAT 2, LEV 1
RXDICI2B	INGREDIENT CATEGORY ID - CAT 2, LEV 2
RXDICI2C	INGREDIENT CATEGORY ID - CAT 2, LEV 3
RXDICI3A	INGREDIENT CATEGORY ID - CAT 3, LEV 1
RXDICI3B	INGREDIENT CATEGORY ID - CAT 3, LEV 2
RXDICI3C	INGREDIENT CATEGORY ID - CAT 3, LEV 3
RXDICI4A	INGREDIENT CATEGORY ID - CAT 4, LEV 1
RXDICI4B	INGREDIENT CATEGORY ID - CAT 4, LEV 2
RXDICI4C	INGREDIENT CATEGORY ID - CAT 4, LEV 3
RXDICI5A	INGREDIENT CATEGORY ID - CAT 5, LEV 1

Variable Name	Label
RXDICI5B	INGREDIENT CATEGORY ID - CAT 5, LEV 2
RXDICI5C	INGREDIENT CATEGORY ID - CAT 5, LEV 3
RXDICI6A	INGREDIENT CATEGORY ID - CAT 6, LEV 1
RXDICI6B	INGREDIENT CATEGORY ID - CAT 6, LEV 2
RXDICI6C	INGREDIENT CATEGORY ID - CAT 6, LEV 3
RXDICN1A	INGREDIENT CATEGORY NAME - CAT 1, LEV 1
RXDICN1B	INGREDIENT CATEGORY NAME - CAT 1, LEV 2
RXDICN1C	INGREDIENT CATEGORY NAME - CAT 1, LEV 3
RXDICN2A	INGREDIENT CATEGORY NAME - CAT 2, LEV 1
RXDICN2B	INGREDIENT CATEGORY NAME - CAT 2, LEV 2
RXDICN2C	INGREDIENT CATEGORY NAME - CAT 2, LEV 3
RXDICN3A	INGREDIENT CATEGORY NAME - CAT 3, LEV 1
RXDICN3B	INGREDIENT CATEGORY NAME - CAT 3, LEV 2
RXDICN3C	INGREDIENT CATEGORY NAME - CAT 3, LEV 3
RXDICN4A	INGREDIENT CATEGORY NAME - CAT 4, LEV 1
RXDICN4B	INGREDIENT CATEGORY NAME - CAT 4, LEV 2
RXDICN4C	INGREDIENT CATEGORY NAME - CAT 4, LEV 3
RXDICN5A	INGREDIENT CATEGORY NAME - CAT 5, LEV 1
RXDICN5B	INGREDIENT CATEGORY NAME - CAT 5, LEV 2
RXDICN5C	INGREDIENT CATEGORY NAME - CAT 5, LEV 3
RXDICN6A	INGREDIENT CATEGORY NAME - CAT 6, LEV 1
RXDICN6B	INGREDIENT CATEGORY NAME - CAT 6, LEV 2
RXDICN6C	INGREDIENT CATEGORY NAME - CAT 6, LEV 3

Analytic Notes

The COVID-19 pandemic required suspension of NHANES 2019-2020 field operations in March 2020 after data were collected in 18 of the 30 survey locations in the 2019-2020 sample. Data collection was cancelled for the remaining 12 locations. Because the collected data from 18 locations were not nationally representative, these data were combined with data from the previous cycle (2017-2018) to create a 2017-March 2020 pre-pandemic data file. A special weighting process was applied to the 2017-March 2020 pre-pandemic data file. The resulting sample weights in the demographic file should be used to calculate estimates from the combined cycles. The sample weights are not appropriate for independent analyses of the 2019-2020 data and will not yield nationally representative results for either the 2017-2018 data alone or the 2019-March 2020 data alone. Please refer to the NHANES website for additional information for the NHANES 2017-March 2020 pre-pandemic data, and for the previous 2017-2018 public use data file with specific weights for that 2-year cycle.

The variable RXDCOUNT provides a count of all prescription products reported in the RXQ adjusting for products moved into or out of the final file. The count includes products reported as "refused" or "don't know" by participants who reported they had taken a prescription medication but did not know the name of the medication or refused to report the name of the medication. Drugs released as "unknown drug" are also included in the count. However, prescription supplements in the dietary supplement questionnaire data are not included in the total count. Therefore, this variable does not provide a comprehensive count of all prescription products used by the survey participant.

In some cases, it may appear as though participants reported the same prescription drug more than once. That is, the same generic drug name and code may be listed more than once. There are a several reason for

these duplicates. Participants may have reported different brand names, which had the same generic drug name (e.g., "Singulair" vs. "Montelukast"). The medications may have been different forms or dosages of the same product (e.g., Albuterol "oral tablet" vs. "inhalation solution" or Risperidone "2 mg" vs. "4 mg"). Participants may have reported different lengths of use or reasons for use of the products.

The health problem as the main reason for taking medication was self-reported. The released variables, ICD-10-CM codes/description, were used to classify the health problems related to the medication use, and should not be considered as diagnoses from physicians.

During the data editing process, outlier values were examined. When there was insufficient information to conclude that values were invalid, they were left in the data file. Analysts should examine the distribution of the data and consider if it is appropriate to include or exclude extreme values in a given analysis.

Respondent sequence number (SEQN) in the prescription medication data is not a unique identifier. Participants who reported the use of multiple prescription drugs will have multiple records, that is, a record for each drug. Analysts should convert a drug-level data to a person-level data, that is, a record for each person, before merging it with NHANES demographic and other data files by using SEQN.

Please refer to the NHANES Analytic Guidelines and the online NHANES Tutorial for further details on the use of sample weights and other analytic issues.

References

- In accordance with the license agreement, NCHS publications, tabulations, and software applications should cite the Multum Lexicon as the source and basis for the coding and classification of the NHANES drug data.

Codebook and Frequencies

SEQN - Respondent sequence number

Variable Name:	SEQN
SAS Label:	Respondent sequence number
English Text:	Respondent sequence number.
Target:	Both males and females 0 YEARS - 150 YEARS

RXDUSE - Taken prescription medicine, past month

Variable Name: RXDUSE

SAS Label: Taken prescription medicine, past month

English Text: In the past 30 days, have you used or taken medication for which a prescription is needed? Do not include prescription vitamins or minerals you may have already told me about.

Target: Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	24246	24246	
2	No	8701	32947	End of Section
7	Refused	7	32954	End of Section
9	Don't know	8	32962	End of Section
.	Missing	0	32962	

RXDDRUG - Generic drug name

Variable Name: RXDDRUG

SAS Label: Generic drug name

English Text: Generic drug name.

Target: Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
Generic drug name	Value was recorded	24024	24024	
55555	Unknown	20	24044	
77777	Refused	46	24090	
99999	Don't know	156	24246	
< blank >	Missing	8716	32962	

RXDDRGID - Generic drug code

Variable Name:	RXDDRGID
SAS Label:	Generic drug code
English Text:	Generic drug code.
Target:	Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
Generic drug code	Value was recorded	24024	24024	
< blank >	Missing	8938	32962	

RXQSEEN - Medicine container seen by interviewer

Variable Name: RXQSEEN

SAS Label: Medicine container seen by interviewer

English Text: Was prescription container seen by interviewer?

Target: Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1	Yes	21138	21138	
2	No	1766	22904	
3	Only pharmacy print out seen	1133	24037	
.	Missing	8925	32962	

RXDDAYS - Number of days taken medicine

Variable Name: RXDDAYS

SAS Label: Number of days taken medicine

English Text: For how long have you been using or taking {PRODUCT NAME}?

Target: Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 21900	Range of Values	23532	23532	
77777	Refused	4	23536	
99999	Don't know	495	24031	
.	Missing	8931	32962	

RXDRSC1 - ICD-10-CM code 1

Variable Name: RXDRSC1

SAS Label: ICD-10-CM code 1

English Text: ICD-10-CM code 1.

Target: Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
ICD-10-CM code 1	Value was recorded	23100	23100	
55555	Unknown	145	23245	
77777	Refused	5	23250	
99999	Don't know	784	24034	
< blank >	Missing	8928	32962	

RXDRSC2 - ICD-10-CM code 2

Variable Name: RXDRSC2

SAS Label: ICD-10-CM code 2

English Text: ICD-10-CM code 2.

Target: Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
ICD-10-CM code 2	Value was recorded	1855	1855	
< blank >	Missing	31107	32962	

RXDRSC3 - ICD-10-CM code 3

Variable Name: RXDRSC3

SAS Label: ICD-10-CM code 3

English Text: ICD-10-CM code 3.

Target: Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
ICD-10-CM code 3	Value was recorded	352	352	
< blank >	Missing	32610	32962	

RXDRSD1 - ICD-10-CM code 1 description

Variable Name: RXDRSD1

SAS Label: ICD-10-CM code 1 description

English Text: ICD-10-CM code 1 description.

Target: Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
ICD-10-CM code 1 description	Value was recorded	23100	23100	
< blank >	Missing	9862	32962	

RXDRSD2 - ICD-10-CM code 2 description

Variable Name: RXDRSD2

SAS Label: ICD-10-CM code 2 description

English Text: ICD-10-CM code 2 description.

Target: Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
ICD-10-CM code 2 description	Value was recorded	1855	1855	
< blank >	Missing	31107	32962	

RXDRSD3 - ICD-10-CM code 3 description

Variable Name: RXDRSD3

SAS Label: ICD-10-CM code 3 description

English Text: ICD-10-CM code 3 description.

Target: Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
ICD-10-CM code 3 description	Value was recorded	352	352	
< blank >	Missing	32610	32962	

RXDCOUNT - Number of prescription medicines taken

Variable Name: RXDCOUNT

SAS Label: Number of prescription medicines taken

English Text: The number of prescription medicines reported.

Target: Both males and females 0 YEARS - 150 YEARS

Code or Value	Value Description	Count	Cumulative	Skip to Item
1 to 22	Range of Values	24246	24246	
.	Missing	8716	32962	

Appendix: ICD-10-CM codes assigned to reasons for use reported by participants

ICD-10-CM code	Description
A49.9	Bacterial infection, unspecified
A49.9P	Prevent bacterial infection
A60.9	Anogenital herpesviral infection, unspecified
B00.1	Herpesviral vesicular dermatitis
B00.9	Herpesviral infection, unspecified
B02	Zoster [herpes zoster]
B19	Unspecified viral hepatitis
B20	Human immunodeficiency virus [HIV] disease
B34.9	Viral infection, unspecified
B34.9P	Prevent viral infection
B35	Dermatophytosis
B37	Candidiasis
B96.81	Helicobacter pylori [H. pylori] as the cause of diseases classified elsewhere
B99.9	Unspecified infectious disease
C50	Malignant neoplasm of breast
C50.P	Prevent breast cancer
C61	Malignant neoplasm of prostate
C61.P	Prevent prostate cancer
C80.1	Malignant (primary) neoplasm, unspecified
C80.1P	Prevent cancer
D49.9	Neoplasm of unspecified behavior of unspecified site
D64.9	Anemia, unspecified
D75.9P	Prevent blood clots
D89.9	Disorder involving the immune mechanism, unspecified
E03.9	Hypothyroidism, unspecified
E04	Other nontoxic goiter
E05	Thyrotoxicosis [hyperthyroidism]
E06	Thyroiditis
E07.9	Disorder of thyroid, unspecified
E10	Type 1 diabetes mellitus
E10.4	Type 1 diabetes mellitus with neurological complications
E11	Type 2 diabetes mellitus
E11.2	Type 2 diabetes mellitus with kidney complications
E11.2P	Prevent diabetic kidney disease
E11.4	Type 2 diabetes mellitus with neurological complications
E11.8	Type 2 diabetes mellitus with unspecified complications
E11.P	Prevent diabetes
E27.9	Disorder of adrenal gland, unspecified
E28	Ovarian dysfunction
E28.P	Prevent ovarian problem

ICD-10-CM code	Description
E29.1	Testicular hypofunction
E34.9	Endocrine disorder, unspecified
E63.9	Nutritional deficiency, unspecified
E66	Overweight and obesity
E78.0	Pure hypercholesterolemia
E78.0P	Prevent high cholesterol
E78.1	Pure hyperglyceridemia
E79.9	Disorder of purine and pyrimidine metabolism, unspecified
E83.3	Disorders of phosphorus metabolism and phosphatases
E87.6	Hypokalemia
E87.6P	Prevent hypokalemia
F11.23	Opioid dependence with withdrawal
F17.2	Nicotine dependence
F20	Schizophrenia
F29	Unspecified psychosis not due to a substance or known physiological condition
F31.9	Bipolar disorder, unspecified
F32.9	Major depressive disorder, single episode, unspecified
F33.9	Major depressive disorder, recurrent, unspecified
F39	Unspecified mood [affective] disorder
F41.0	Panic disorder [episodic paroxysmal anxiety] without agoraphobia
F41.9	Anxiety disorder, unspecified
F42	Obsessive-compulsive disorder
F43.1	Post-traumatic stress disorder (PTSD)
F43.9	Reaction to severe stress, unspecified
F84	Pervasive developmental disorders
F90	Attention-deficit hyperactivity disorders
F91	Conduct disorders
F99	Mental disorder, not otherwise specified
G20	Parkinson's disease
G25.81	Restless legs syndrome
G30.9	Alzheimer's disease, unspecified
G31.9	Degenerative disease of nervous system, unspecified
G40	Epilepsy and recurrent seizures
G43	Migraine
G43.P	Prevent migraine
G47.0	Insomnia
G47.9	Sleep disorder, unspecified
G89	Pain, not elsewhere classified
G99.8	Other specified disorders of nervous system in diseases classified elsewhere
H04	Disorders of lacrimal system

ICD-10-CM code	Description
H10	Conjunctivitis
H10.1	Acute atopic conjunctivitis
H26.9	Unspecified cataract
H40	Glaucoma
H57.9	Unspecified disorder of eye and adnexa
H60	Otitis externa
H66.9	Otitis media, unspecified
H66.9P	Prevent ear infection
H93.9	Unspecified disorder of ear
I10	Essential (primary) hypertension
I10.P	Prevent hypertension
I20.9	Angina pectoris, unspecified
I21	ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction
I21.P	Prevent heart attack/myocardial infarction
I25.9	Chronic ischemic heart disease, unspecified
I26	Pulmonary embolism
I27.9	Pulmonary heart disease, unspecified
I48.9	Unspecified atrial fibrillation and atrial flutter
I49.9	Cardiac arrhythmia, unspecified
I50.9	Heart failure, unspecified
I51.9	Heart disease, unspecified
I51.9P	Prevent heart disease
I63	Cerebral infarction
I63.P	Prevent stroke
I70	Atherosclerosis
I70.P	Prevent atherosclerosis
I80.3	Phlebitis and thrombophlebitis of lower extremities, unspecified
I99.9	Unspecified disorder of circulatory system
J00	Acute nasopharyngitis [common cold]
J01.9	Acute sinusitis, unspecified
J02	Acute pharyngitis
J02.0	Streptococcal pharyngitis
J03	Acute tonsillitis
J06.9	Acute upper respiratory infection, unspecified
J09	Influenza due to certain identified influenza viruses
J09.P	Prevent flu
J18.9	Pneumonia, unspecified organism
J20.9	Acute bronchitis, unspecified
J30.1	Allergic rhinitis due to pollen
J30.2	Other seasonal allergic rhinitis

ICD-10-CM code	Description
J30.9	Allergic rhinitis, unspecified
J34.9	Unspecified disorder of nose and nasal sinuses
J40	Bronchitis, not specified as acute or chronic
J42	Unspecified chronic bronchitis
J43	Emphysema
J44.9	Chronic obstructive pulmonary disease, unspecified
J45	Asthma
J45.P	Prevent asthma
J98.9	Respiratory disorder, unspecified
K02	Dental caries
K04.7	Periapical abscess without sinus
K04.7P	Prevent tooth infection
K05.6	Periodontal disease, unspecified
K08.4	Partial loss of teeth
K08.8	Other specified disorders of teeth and supporting structures
K21	Gastro-esophageal reflux disease
K22	Other diseases of esophagus
K25	Gastric ulcer
K25.P	Prevent gastric ulcer
K27	Peptic ulcer, site unspecified
K30	Functional dyspepsia
K31.9	Disease of stomach and duodenum, unspecified
K46	Unspecified abdominal hernia
K50	Crohn's disease [regional enteritis]
K51	Ulcerative colitis
K57	Diverticular disease of intestine
K58	Irritable bowel syndrome
K59.0	Constipation
K64.9	Unspecified hemorrhoids
K76.9	Liver disease, unspecified
K76.9P	Prevent liver disease
K87	Disorders of gallbladder, biliary tract and pancreas in diseases classified elsewhere
K92.9	Disease of digestive system, unspecified
L08.9	Local infection of the skin and subcutaneous tissue, unspecified
L20.9	Atopic dermatitis, unspecified
L23	Allergic contact dermatitis
L29.9	Pruritus, unspecified
L30.9	Dermatitis, unspecified
L40	Psoriasis
L50	Urticaria

ICD-10-CM code	Description
L65.9	Nonscarring hair loss, unspecified
L70	Acne
L71	Rosacea
L93	Lupus erythematosus
L98.9	Disorder of the skin and subcutaneous tissue, unspecified
M06.9	Rheumatoid arthritis, unspecified
M10.9	Gout, unspecified
M10.9P	Prevent gout
M13	Other arthritis
M19.9	Osteoarthritis, unspecified site
M1A	Chronic gout
M25.5	Pain in joint
M25.9	Joint disorder, unspecified
M35	Other systemic involvement of connective tissue
M54	Dorsalgia
M62.83	Muscle spasm
M65.9	Synovitis and tenosynovitis, unspecified
M79.1	Myalgia
M79.2	Neuralgia and neuritis, unspecified
M79.6	Pain in limb, hand, foot, fingers and toes
M79.7	Fibromyalgia
M81	Osteoporosis without current pathological fracture
M81.P	Prevent bone loss/osteoporosis
M85.9	Disorder of bone density and structure, unspecified
N18.9	Chronic kidney disease, unspecified
N19	Unspecified kidney failure
N20.0	Calculus of kidney
N28.9	Disorder of kidney and ureter, unspecified
N28.9P	Prevent kidney disease
N30	Cystitis
N32.81	Overactive bladder
N32.9	Bladder disorder, unspecified
N39.0	Urinary tract infection, site not specified
N39.0P	Prevent urinary tract infection
N39.4	Other specified urinary incontinence
N40	Enlarged prostate
N42.9	Disorder of prostate, unspecified
N52.9	Male erectile dysfunction, unspecified
N92	Excessive, frequent and irregular menstruation
N94	Pain and other conditions associated with female genital organs and menstrual cycle

ICD-10-CM code	Description
N95	Menopausal and other perimenopausal disorders
R00	Abnormalities of heart beat
R05	Cough
R06.02	Shortness of breath
R06.2	Wheezing
R06.9	Unspecified abnormalities of breathing
R06.9P	Prevent breathing difficulty
R07.9	Chest pain, unspecified
R09	Other symptoms and signs involving the circulatory and respiratory system
R09.3	Abnormal sputum
R09.8	Other specified symptoms and signs involving the circulatory and respiratory systems
R09.81	Nasal congestion
R10	Abdominal and pelvic pain
R11	Nausea and vomiting
R11.P	Prevent nausea or vomiting
R12	Heartburn
R14	Flatulence and related conditions
R19.7	Diarrhea, unspecified
R20	Disturbances of skin sensation
R21	Rash and other nonspecific skin eruption
R25	Abnormal involuntary movements
R25.1	Tremor, unspecified
R25.2	Cramp and spasm
R32	Unspecified urinary incontinence
R35	Polyuria
R39.1	Other difficulties with micturition
R39.9	Unspecified symptoms and signs involving the genitourinary system
R41	Other symptoms and signs involving cognitive functions and awareness
R42	Dizziness and giddiness
R45	Symptoms and signs involving emotional state
R50.9	Fever, unspecified
R51	Headache
R52	Pain, unspecified
R53	Malaise and fatigue
R60.9	Edema, unspecified
R63	Symptoms and signs concerning food and fluid intake
R73	Elevated blood glucose level
T14.9	Unspecified injury
T78.40	Allergy, unspecified
T86.9P	Prevent transplanted organ and tissue rejection

ICD-10-CM code	Description
T88.7P	Prevent drug side effect
Z48.8	Encounter for other specified postprocedural aftercare
Z79	Long term (current) drug therapy
Z79.0	Long term (current) use of anticoagulants and antithrombotics/antiplatelets
Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
Z79.3	Long term (current) use of hormonal contraceptives
Z79.890	Hormone replacement therapy
Z90	Acquired absence of organs, not elsewhere classified
Z95	Presence of cardiac and vascular implants and grafts
Z96	Presence of other functional implants
Z98	Other postprocedural states