

ABSTRACT

This material provides documentation for users of the Emergency Department public use micro-data file of the 2017 National Hospital Ambulatory Medical Care Survey (NHAMCS). NHAMCS is a national probability sample survey of visits to hospital outpatient and emergency departments, and hospital-based ambulatory surgery centers, conducted by the National Center for Health Statistics. The survey is a component of the National Health Care Surveys, which measure health care utilization across a variety of health care providers.

NOTE: This document contains complete information on emergency department records only, to accompany the release of the emergency department data file.

Section I of this documentation, "Description of the National Hospital Ambulatory Medical Care Survey," includes information on the scope of the survey, the sample, field activities, data collection procedures, medical coding procedures, and population estimates. Section II contains the codebook, which provides detailed descriptions of the contents of the file's data record by location. Section III contains marginal data for selected items on the file. The appendixes contain sampling errors, instructions and definitions for completing the Patient Record form, and lists of codes used in the survey.

SUMMARY OF CHANGES FOR 2017

The 2017 NHAMCS Emergency Department (ED) micro-data file is identical in layout to the 2016 file. The only changes involve some modifications made to help screen text in the survey instrument. These are described in more detail below.

Note that the questionnaire changes listed below mainly address items that are included on the public use data file and do not constitute a comprehensive list of all changes to the automated Patient Record form and automated Hospital Induction Interview forms.

A. Survey Items

1. New or Modified Items on the Automated Patient Record Form

NOTE: The headings and corresponding section locations reflected in the 2017 Emergency Department Patient Record Sample Card may not be identical to those in the automated electronic Patient Record Form. The Sample Card (available at the Ambulatory Health Care Data website) is a general representation of the automated instrument, using a more easily read format that is similar to the original paper forms used in earlier years.

Triage:

In the diastolic blood pressure item, an additional help text instruction was added: "Palpation (P or PALP) and Doppler (DOPP or DOPPLER) blood pressure techniques can only detect systolic blood pressures. Therefore diastolic blood pressures are recorded as P, PALP, DOPP, or DOPPLER instead of numeric values.

Vitals after triage:

Under Vitals after discharge, in the diastolic blood pressure item, an additional help text instruction was added: "Palpation (P or PALP) and Doppler (DOPP or DOPPLER) blood pressure techniques can only detect systolic blood pressures. Therefore diastolic blood pressures are recorded as P, PALP, DOPP, or DOPPLER instead of numeric values.

Disposition:

The category label "Left AMA" was changed to "Left against medical advice (AMA)".

The category label "DOA" was changed to "Dead on arrival (DOA)".

2. New or Modified Items on the Automated Hospital Induction Interview

None.

3. Deleted items

None.

B. Data Collection and Comparability of 2017 NHAMCS Estimates with Previous Years of Data

Because the 2012 survey year incorporated major changes to the mode of data collection, much research was conducted to assess the comparability of estimates from 2012 with previous years of data. Those results can be found in the 2012 NHAMCS-ED Public Use File Documentation. For 2017, the mode of data collection continued to be the automated laptop-assisted instrument first used in 2012, and additional research was conducted to assess any data anomalies between 2017 and 2016 data. To accomplish this, more than 20 tables of 2017 estimates were compared with the same tables of 2016 estimates. The variables that were compared included most of those published in the annual survey web tables (available from: https://www.cdc.gov/nchs/ahcd/ahcd_products.htm). Significant changes between the two years were noted and investigated. While many estimates were not statistically different in each year, some unexpected results were found. These may reflect actual differences, or they may be related to the changes in item format, the new automated data collection system and/or the increase in Census abstraction. Data users are advised to take these factors into account when using these items or comparing them with previous years. Specific findings include the following, with results being weighted to yield national estimates:

---Significant increases in visits with the following services ordered or provided were noted: blood culture (3.3% to 4.7%); urine culture (8.1% to 10.3%); and influenza test (2.1% to 4.1%).

---Data on ED visits resulting in admission to the observation unit followed by hospitalization (OBSHOS=1) were recently found to have problems relating to internal data processing. These problems have been resolved for 2017, but data for this variable in 2014, 2015, and 2016 are also likely affected, resulting in undercounts. Steps are being taken by survey staff to examine these problems and update the variables as needed.

NCHS staff will continue to monitor these and other changes with regard to 2017 data and beyond in an effort to better assess how much may be attributed to data collection and processing vs. real-world treatment patterns.

C. Sampling Strata and Variance Estimation Issues

NHAMCS currently comprises three components: hospital emergency departments, outpatient departments (OPDs), and ambulatory surgery centers/locations (ASLs). It is important to understand that the first stage of NHAMCS sampling occurs at the geographic level, but the second stage occurs at the hospital level. However, not all hospitals have all three components, and some may choose not to participate in all components, even if they have them. Therefore, it is often the case that not all hospitals participating in NHAMCS are included on the ED file, even though for variance estimation purposes all participating hospitals should be represented (that is, there should be sampling information on the ED public use file for each hospital participating in NHAMCS, in order to obtain the most accurate variance estimation).

In years from 1992-2009, when NHAMCS only included two components (emergency departments and outpatient departments), public use data file users were encouraged to combine the ED and OPD public use files for variance estimation purposes. That ensured that even if not all hospitals were represented on the ED file, the inclusion of records from the OPD file resulted in a complete set of participating hospitals and their sampling design variables.

Starting in 2010, when the ambulatory surgery (AS) component was added to NHAMCS, analysis was conducted within the Division of Health Care Statistics to ensure that the sampling design information was complete when combining the ED and OPD public use files, even though the AS file was not yet available (the 2010 AS public use file was released in early 2017). Because NCHS has not yet released OPD or AS public use files for 2012 through 2017, internal research is conducted each year to study the effects of only using ED data, without OPD or AS data, using the same methodology employed since 2012.

For 2017 data, internal research was again conducted, using the same methodology employed since 2012. The effects of the missing sampling design information were less pronounced than in 2016 and should lead to less variances being understated compared with what was found in previous years. For most standard error estimates (approximately 85% of the 348 estimates tested) the differences were small, but the possible understatement in variances for other estimates means a higher likelihood of a Type I error (finding a significant difference in the data that may not actually exist).

In order to decrease the possibility of a Type I error when analyzing the 2017 NHAMCS ED public use file, we recommend that researchers test for significant differences at the $\alpha=0.01$ level, rather than the more commonly used 0.05 level. For questions, please contact the Ambulatory and Hospital Care Statistics Branch (AHCSB) at 301-458-4600 or email ambcare@cdc.gov.

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I. DESCRIPTION OF THE NATIONAL HOSPITAL AMBULATORY MEDICAL CARE SURVEY

A. INTRODUCTION

The National Hospital Ambulatory Medical Care Survey (NHAMCS) was initiated to learn more about the ambulatory care rendered in hospital emergency and outpatient departments (EDs and OPDs) in the United States. NHAMCS is conducted by the Ambulatory and Hospital Care Statistics Branch of the Division of Health Care Statistics, National Center for Health Statistics (NCHS). This documentation mainly describes the ED survey component, as only ED data are being released at this time (November 2019).

Ambulatory medical care is the predominant method of providing health care services in the United States (1). Since 1973, data on ambulatory patient visits to physicians' offices have been collected through the National Ambulatory Medical Care Survey (NAMCS). However, visits to hospital emergency and outpatient departments, which represent a significant portion of total ambulatory medical care, are not included in NAMCS (2). Furthermore, hospital ambulatory patients are known to differ from office patients in their demographic and medical characteristics (3). NHAMCS was designed to fill this data gap. Together, NAMCS and NHAMCS provide a comprehensive look at ambulatory medical care.

NHAMCS is endorsed by the Emergency Nurses Association, the Society for Academic Emergency Medicine, the American College of Emergency Physicians, the American College of Osteopathic Emergency Physicians, the Society for Ambulatory Anesthesia, the American Health Information Management Association, and the American Academy of Ophthalmology. A complete description of NHAMCS is contained in the publication entitled, "Plan and Operation of the National Hospital Ambulatory Medical Care Survey" (4).

As noted above, only the ED data file is being released at this time. In 2017, there were 16,709 electronic Patient Record forms (PRFs) provided by EDs that participated in the survey.

 Please note the following important points concerning analysis of NHAMCS data on this micro-data file:

PATIENT VISIT WEIGHT

Micro-data file users should be fully aware of the importance of the "patient visit weight" and how it must be used. Information about the patient visit weight is presented on page 26. If more information is needed, the staff of the Ambulatory and Hospital Care Statistics Branch can be consulted by calling (301) 458-4600 during regular working hours or by sending an email inquiry to ambcare@cdc.gov.

RELIABILITY OF ESTIMATES

Researchers should also be aware of the reliability or unreliability of survey estimates. The National Center for Health Statistics considers an estimated number of visits or a visit rate to be reliable if it has a relative standard error of 30 percent or less (i.e., the standard error is no more than 30 percent of the estimate) and it is based on at least 30 sample records. NCHS recently released new [guidelines](#) for determining the reliability of proportions. These standards are based on a minimum denominator sample size and on the absolute and relative widths of a confidence interval calculated using the Clopper-Pearson method. Additional information about relative standard errors is presented in Appendix I. If you have questions, do not hesitate to consult the staff of the Ambulatory and Hospital Care Statistics Branch.

B. SAMPLE DESIGN

The 2017 NHAMCS used a national probability sample of visits to the emergency and outpatient departments of noninstitutional general and short-stay hospitals, excluding Federal, military, and Veterans Administration hospitals, located in the 50 states and the District of Columbia. The NHAMCS sample was designed to provide estimates for the following survey objectives listed in order of priority: United States; region; emergency and outpatient departments; and type of ownership. The sample uses a four-stage probability design with samples of area primary sampling units (PSUs), hospitals within PSUs, clinics within outpatient departments, and patient visits within clinics/emergency service areas. Each stage of sampling is described below.

1. Primary Sampling Units (PSUs)

1. National sample

In the sample, a PSU consists of a county, a group of counties, or county equivalents (such as parishes and independent cities), towns, townships, minor civil divisions (for some PSUs in New England), or a metropolitan statistical area (MSA). MSAs were defined by the U.S. Office of Management and Budget on the basis of the 1980 Census. The first-stage sample consisted of 112 PSUs that comprised a probability subsample of the PSUs used in the 1985-94 National Health Interview Survey (NHIS). The NHAMCS PSU sample included with certainty the 26 NHIS PSUs with the largest populations. In addition, the NHAMCS sample included one-half of the next 26 largest PSUs, and one PSU from each of the 73 PSU strata formed from the remaining PSUs for the NHIS sample.

The NHIS PSU sample was selected from approximately 1,900 geographically defined PSUs that covered the 50 States and the District of Columbia. The 1,900 PSUs were stratified by socioeconomic and demographic variables and then selected with a probability proportional to their size. Stratification was done within four geographical regions by MSA or non-MSA status. A detailed description of the 1985-94 NHIS PSU sample design is available (5).

2. Hospitals

The hospital sampling frame and sample were updated for the 2017 survey using hospital data from IMS Health's Health Care Organizations (HCOS) database. (Note that IMS Health merged with Quintiles in 2016 and was renamed to IQVIA in 2017.) In that updated sample, 67 new hospitals were added (births) and 23 hospitals, were removed as deaths or other reasons for being out-of-scope for the survey. The sampling frame and sample will be updated again for the 2020 survey and plans are to update again every three years thereafter.

The original sampling frame was compiled as follows using the SMG Hospital Database. Hospitals with an average length of stay for all patients of less than 30 days (short-stay) or hospitals whose specialty was general (medical or surgical) or children's general were eligible for NHAMCS. Excluded were Federal hospitals, hospital units of institutions, and hospitals with less than six beds staffed for inpatient use. In 1991, the SMG Hospital Database contained 6,249 hospitals that met these eligibility criteria. Of the eligible hospitals, 5,582 (89 percent) had emergency departments (EDs) and 5,654 (90 percent) had outpatient departments (OPDs). Hospitals were defined to have an ED if the hospital file indicated the presence of such a unit or if the file indicated a non-zero number of visits to such a unit. A similar rule was used to define the presence of an OPD. Hospitals were classified into four classes: those with only an ED; those with an ED and an OPD; those with only an OPD; and those with neither an ED nor an OPD. Hospitals in the last class were considered as a separate stratum and a small sample (50 hospitals) was selected from this stratum to allow for estimation to the total universe of eligible hospitals including eligible hospitals that were misclassified in the frame because information about their EDs and/or OPDs was missing from the databases used to compile the frame.

All hospitals with EDs and/or OPDs in non-certainty sample PSUs with five or fewer hospitals were selected with certainty. There were 149 hospitals in 55 PSUs in this category. In non-certainty sample PSUs with more than five hospitals, hospitals in each PSU were arrayed by hospital class; type of ownership (not-for-profit, non-Federal government, and for-profit); and hospital size. Hospital size was measured by the combined volume of ED and OPD visits. From the arrayed hospitals, five hospitals were selected using systematic random sampling with probability proportional to hospital size. A total of 161 hospitals was selected from this group. In the certainty PSUs, hospitals were stratified by region, hospital class, ownership, and size. From the stratified hospital list, 240 hospitals were selected with probability proportional to size. From the 427 hospitals that had neither an ED nor an OPD in the sample PSUs, a sample of 50 hospitals was selected with probability proportional to the inverse of PSU selection probabilities, making the overall selection probabilities (products of the PSU and hospital selection probabilities) equal within region.

The hospital selections were made so that each hospital would be chosen only once to avoid multiple inclusions of very large hospitals. A fixed panel of 600 hospitals was initially selected for the NHAMCS sample; 550 hospitals had an ED and/or an OPD and 50 hospitals had neither an ED nor an OPD. To preclude hospitals participating during the same time period each year, the sample of 600 hospitals was randomly divided into 16 subsets of approximately equal size. These subsets were assigned on a rotating basis to 4-week reporting periods, beginning December 2, 1991, and continuing across each survey year. Therefore, the entire sample does not participate in a given year, and each hospital is inducted approximately once every 15 months.

The 2017 NHAMCS was conducted from December 26, 2016 through December 24, 2017, and used a sample of 479 hospitals. Of the sampled hospitals, 105 were found to be ineligible due to closing or other reasons. Of the 374 hospitals that were in scope (eligible) for the survey, 234 participated, for an unweighted hospital response rate of 62.5 percent (62.8 percent weighted).

3. Outpatient Clinics and Emergency Service Areas (ESAs)

Within each hospital, outpatient clinics were sampled separately from emergency service areas (ESAs) until data collection for the OPD component was discontinued after the 2017 NHAMCS. Outpatient clinics were in scope if ambulatory medical care was provided under the supervision of a physician and under the auspices of the hospital. Clinics were required to be "organized" in the sense that services were offered at established locations and schedules. Clinics where only ancillary services were provided or other settings in which physician services were not typically provided were out of scope. In addition, freestanding clinics, which are physician practices located within hospitals but separate from OPDs, were out of scope because they are included in NAMCS, and ambulatory surgery centers/locations, whether in hospitals or freestanding, were out of scope through 2008. Ambulatory surgery centers/locations were included in the National Survey of Ambulatory Surgery which was conducted in 1994-96 and again in 2006. Beginning in 2009, and continuing through 2017, data from hospital-based ambulatory surgery centers/locations are gathered as part of a separate NHAMCS ambulatory surgery component. From 2010-2012, data from freestanding ambulatory surgery centers were also gathered as part of this ambulatory surgery component.

A list of in scope and out of scope clinic types is available from the Ambulatory and Hospital Care Statistics Branch. The OPD clinic definition excludes the "hospital as landlord" arrangement in which the hospital only rented space to a physician group and was not otherwise involved in the delivery of services. These physicians are considered office-based and are currently included in NAMCS.

Hospitals may define the term "separate clinic" differently, for example, by physical location within the hospital, by staff providing the services, by specialty or subspecialty, by schedules, or by patients' source of payment. Because of these differences, "separate clinics" in NHAMCS were defined as the smallest administrative units for which the hospital kept patient volume statistics.

During the visit by a field representative (FR) to induct a hospital into the survey, a list of all outpatient clinics was obtained from the sample hospital. Each outpatient department clinic's function, specialty, and number of visits during the assigned reporting period were also collected. If there were five or fewer clinics, then all were included in the sample. If an outpatient department had more than five clinics, a sample of clinics was selected based on probability proportion to size where size was defined as the number of patient visits the clinic had during the hospital's assigned 4-week reporting period. For the sample, the clinics were assigned to one of six specialty groups: general medicine, surgery, pediatrics, obstetrics/gynecology, substance abuse, and other. Within these specialty groups, clinics which had fewer than 30 patient visits during the assigned reporting period were grouped to form clinic sampling units (SUs). If a grouped clinic SU was selected, all clinics included in that SU were included in the sample. Prior to 2001, a sample of generally five clinic SUs was selected per hospital. Starting in 2001, stratified samples of SUs were selected from OPDs which had more than five SUs. Up to two SUs were selected from each of the specialty groups within each such OPD. The change was made to assure that an SU was sampled from each of an OPD's specialty groups.

Emergency services provided under the "hospital as landlord" arrangement were also eligible for the study. An ED was in scope if it provided unscheduled health care 24 hours a day, seven days a week. All ESAs within an in-scope ED were selected with certainty, regardless of whether the individual ESA was open 24 hours a day. If an ED was not staffed 24 hours daily, the ED was out of scope and all of its ESAs were treated as outpatient clinics.

A total of 479 hospitals was selected for the 2017 NHAMCS, of which 374 were in scope and had eligible EDs. Of these, 234 responded, yielding an unweighted ED response rate of 62.6 percent (62.8 percent weighted). A total of 331 ESAs were identified from the respondent EDs. Of these, 240 responded fully or adequately by providing forms for at least half of their expected sample visits based on the total number of visits they had during their reporting period, and 35 responded minimally (i.e. they provided fewer than half of their expected forms). The resulting unweighted ESA sample response rate was 72.5 (77.1 percent weighted), and the overall unweighted ESA response rate (hospital rate times ED rate times ESA rate) was 45.4 percent (48.4 percent weighted). Response rates have been adjusted to exclude minimal participants.

4. Visits

The basic sampling unit for the NHAMCS is the patient visit or encounter. Within ESAs or OPD clinics, patient visits were systematically selected over the randomly assigned 4-week reporting period for the hospital. A visit was defined as a direct, personal exchange between a patient and a physician, or a staff member acting under a physician's direction, for the purpose of seeking care and rendering health services. Visits solely for administrative purposes, such as payment of a bill, and visits in which no medical care was provided, such as visits to deliver a specimen, were out of scope.

The target numbers of PRFs to be completed for EDs and OPDs in each hospital were 100 and 150-200, respectively. In departments with volumes higher than these desired figures, visits were sampled by a systematic procedure which selected every nth visit after random starts within ESAs/clinics. Visit sampling rates were determined from the number of visits seen during the reporting period and the desired number of completed PRFs. During the 2017 NHAMCS, electronic PRFs were completed for 16,709 ED visits.

C. DATA COLLECTION PROCEDURES

1. Field Training

The U.S. Census Bureau was the data collection agent for the 2017 NHAMCS. Census Headquarters staff were responsible for overseeing the data collection process, training the Census Regional Office staff, and writing the field manual. Regional Office staff were responsible for training the Census Field Representatives (FRs) and monitoring hospital data collection activities. Training for FRs new to the

survey consisted of eight hours of self-study and 12 hours of classroom training. Continuing FRs received one hour of annual survey training and another hour of refresher training. FRs inducted the hospitals and trained the hospital staff on visit sampling.

2. Hospital Induction

Approximately two weeks after the start of the hospital's assigned reporting period, a personally signed introductory letter from the Director of NCHS was sent to the hospital administrator or chief executive officer of each sampled hospital. The following organizations endorse NHAMCS: the Emergency Nurses Association, the Society for Academic Emergency Medicine, the American College of Emergency Physicians, the American College of Osteopathic Emergency Physicians, the Society for Ambulatory Anesthesia, the American Health Information Management Association, and the American Academy of Ophthalmology.

Census Field Representatives received their cases after the end of the reporting period. At that time, the Census FR called the hospital administrator to set up an appointment to further explain the study and to verify hospital eligibility for the survey. The FR had to obtain hospital and IRB approval and later conduct the hospital induction interview.

3. Outpatient Clinic and Emergency Service Area Induction

After the initial visit and completion of the induction interview at the hospital level, the FR arranged for induction of the sample ESAs and outpatient clinics. Information obtained during the ambulatory unit induction interviews was entered into the survey instrument and used by the FR to develop the sampling plan.

4. Data Collection

In 2017, the mode of data collection for NHAMCS was a computerized survey tool, which has been used since 2012. This is described in more detail in the 2012 NHAMCS Public Use Data File Documentation. All record abstraction was done by Census FRs.

D. FIELD QUALITY CONTROL

For hospitals with electronic health records (EHR) systems, the FR was typically given access to electronic data for all of the visits that occurred during the hospital's randomly assigned 4-week reporting period. The FR used information obtained during the ambulatory unit's induction interview to establish a random start and predetermined sampling interval with which to select the sample of visits. The sampled visits comprised both scheduled and unscheduled patients, but not cancellations, administrative visits, or no-shows. The random start and sampling interval were calculated by the survey instrument based on the hospital's actual number of patients seen during the reporting period. In some cases, the FR gave the sampling plan information to the hospital so that hospitals could then provide only the records for visits to be sampled.

For hospitals without EHR systems, hospital staff were instructed to keep a daily listing of all patient visits during the assigned 4-week reporting period using an arrival log, optional worksheet, or similar method. This list was used as the sampling frame to select the visits for which data were to be recorded. It comprised both scheduled and unscheduled patients, but not cancellations, administrative visits, or no-shows. Visits were selected from the list by Census FRs using the random start and predetermined sampling interval that was calculated by the survey instrument, and was based on the hospital's actual number of visits for the reporting period.

Using either method, a systematic random sample of visits was obtained. The sampling procedures were designed so that about 100 Patient Records would be completed from each emergency department during the assigned reporting period.

Data for sampled visits were recorded on laptops using the computerized survey tool which emulated the traditional survey instrument, the paper-based ED Patient Record Forms (PRFs). The ED PRF was designed to reflect the type of care provided in the emergency department. You may view or download representations of the computerized Patient Record Forms from these web addresses:

Link to Survey Instruments page: http://www.cdc.gov/nchs/ahcd/ahcd_survey_instruments.htm

Link to ED Patient Record Form:

http://www.cdc.gov/nchs/data/ahcd/2017_NHAMCS_ED_PRF_Sample_Card.pdf

Terms and definitions relating to the Patient Record forms are included in Appendix I.

The 2017 NHAMCS did not include any separate data supplements.

E. CONFIDENTIALITY

In April 2003, the Privacy Rule of the Health Insurance Portability and Accountability Act (HIPAA) was implemented to establish minimum Federal standards for safeguarding the privacy of individually identifiable health information. No personally identifying information, such as patient's name or address or Social Security number, is collected in NHAMCS. Data collection is authorized by Section 306 of the Public Health Service Act (Title 42, U.S. Code, 242k). All information collected is held in the strictest confidence according to law [Section 308(d) of the Public Health Service Act (42, U.S. Code, 242m(d))] and the Confidential Information Protection and Statistical Efficiency Act (Title 5 of PL 107-347). The NHAMCS protocol has been approved by the NCHS Research Ethics Review Board annually since February 2003. Waivers of the requirements to obtain informed consent of patients and patient authorization for release of patient medical record data by health care providers have been granted.

In the spring of 2003, NHAMCS implemented additional data collection procedures to help providers assure patient confidentiality. Census Bureau FRs were trained on how the Privacy Rule allows hospitals to make disclosures of protected health information without patient authorization for public health purposes and for research that has been approved by a Research Ethics Review Board. Hospitals were encouraged to accept a data use agreement between themselves and NCHS/CDC, since the Privacy Rule allows hospitals to disclose limited data sets (i.e., data sets with no direct patient identifiers) for research and public health purposes if such an agreement exists. Such practices have been continued annually.

Assurance of confidentiality is provided to all hospitals according to Section 308 (d) of the Public Health Service Act (42 USC 242m). Strict procedures are utilized to prevent disclosure of NHAMCS data. All information which could identify the hospital or its facilities is confidential and seen only by persons engaged in NHAMCS, and is not disclosed or released to others for any other purpose. Names and other identifying information for individual patients are never removed from the hospital.

Prior to release of the public use data files, NCHS conducts extensive disclosure risk analysis to minimize the chance of any inadvertent disclosure. For some hospitals, selected characteristics may have been masked on the public use file to minimize the potential for disclosure. Furthermore, outlier values for certain variables such as age were top coded in accordance with NCHS confidentiality requirements. Masking was performed in such a way to cause minimal impact on the data; data users who wish to use unmasked data can apply to the NCHS Research Data Center.

F. DATA PROCESSING

1. Edits

Once electronic data were collected by the Census Bureau, a number of steps were required for data processing. Specifications for checking, configuring, and transmitting the data files were developed by NCHS and applied by the Census Bureau. Data files were transmitted either to NCHS for further processing, or to RTI International, Research Triangle Park, North Carolina. At NCHS, the data underwent multiple consistency checks and review of verbatim entries. RTI edited and coded verbatim entries which required medical coding [patient's reason for visit, physician's diagnosis, and cause of injury] and further assessed the values assigned to a variable that indicated whether the diagnosis is probable, questionable, or rule out. Medication editing and coding were performed entirely at NCHS by the NHAMCS Drug Database Coordinator.

2. Quality control

All RTI International medical coding and keying operations were subject to quality control procedures. The contractor selected a 13 percent sample of records which were independently recoded and compared. Differences were adjudicated by RTI with error rates reported to NCHS. Coding error rates ranged between 0.1 and 0.9 percent for the ED sample.

3. Adjustment for item nonresponse

The following items had an unweighted item nonresponse rate greater than 5.0 percent:

VARIABLE	VARIABLE DESCRIPTION	DENOMINATOR	NONRESPONSE %
WAITTIME	Wait time to first provider (Physician/APRN/PA) contact, in minutes	All visits	11.8
RACEUN	Unimputed race	All visits	18.5
ETHUN	Unimputed ethnicity	All visits	20.9
AMBTRANSFER	Was the patient transferred from another hospital or urgent care facility?	Visits where patient arrived by ambulance	17.8
PAYTYPER	Recoded primary expected source of payment for visit (based on hierarchy)	All visits	10.3
TEMPF	Initial vital signs: Temperature (Fahrenheit)	All visits	5.7
BPSYS	Initial vital signs: Blood pressure - Systolic	All visits	11.3

BPDIAS	Initial vital signs: Blood pressure - Diastolic	All visits	11.4
POPCT	Initial vital signs: Pulse oximetry (percent)	All visits	6.1
IMMEDR	Immediacy with which patient should be seen (unimputed)	All visits	21.4
PAINSCALE	Pain scale (0-10)	All visits	34.7
SEEN72	Was patient seen in this ED within the last 72 hours?	All visits	7.3
EPISODE	Episode of care	All visits	5.2
INJURY72	Did the injury/trauma, overdose/poisoning, or adverse effect occur within 72 hours prior to the date and time of this visit?	Injury-, poisoning-, and adverse effects-related visits	23.8
INJURY_ENC	Type of encounter for injury visits	Injury-, poisoning-, and adverse effects-related visits	11.0
CAUSE1	Cause #1 of injury/trauma, overdose/poisoning, or adverse effect of medical/surgical treatment - detailed category	Injury-, poisoning-, and adverse effects-related visits	23.9
CTCONTRAST	Was CT Scan ordered/provided with intravenous (IV) contrast?	All visits where CT scan was ordered or provided	13.0
MRICONTRAST	Was MRI ordered/provided with intravenous (IV) contrast (also written as with gadolinium or with gado)?	All visits where MRI was ordered or provided	27.5
GPMED15	Was medication #15 given in ED or prescribed at discharge?	Visits with 15 medications reported	5.9
GPMED19	Was medication #19 given in ED or prescribed at discharge?	Visits with 19 medications reported	5.2
GPMED20	Was medication #20 given in ED or prescribed at discharge?	Visits with 20 medications reported	8.3
GPMED21	Was medication #21 given in ED or prescribed at discharge?	Visits with 21 medications reported	7.7

GPMED22	Was medication #22 given in ED or prescribed at discharge?	Visits with 22 medications reported	9.1
GPMED23	Was medication #23 given in ED or prescribed at discharge?	Visits with 23 medications reported	14.3
GPMED24	Was medication #24 given in ED or prescribed at discharge?	Visits with 24 medications reported	18.8
GPMED25	Was medication #25 given in ED or prescribed at discharge?	Visits with 25 medications reported	16.7
GPMED26	Was medication #26 given in ED or prescribed at discharge?	Visits with 26 medications reported	25.0
GPMED27	Was medication #27 given in ED or prescribed at discharge?	Visits with 27 medications reported	16.7
TEMPDF	Vitals after triage: Temperature in Fahrenheit	All visits where vitals were taken at discharge	38.6
PULSED	Vitals after triage: Heart rate (beats per minute)	All visits where vitals were taken at discharge	5.5
RESPRD	Vitals after triage: Respiratory rate (breaths per minute)	All visits where vitals were taken at discharge	9.3
BPDIASD	Vitals after triage: Diastolic blood pressure	All visits where vitals were taken at discharge	9.9
BPSYSD	Vitals after triage: Systolic blood pressure	All visits where vitals were taken at discharge	10.0
ADMTPHYS	Admitting physician	Visits that resulted in hospital admission	33.7
ADMIT	Admitted to:	Visits that resulted in hospital admission	16.8
HDDIAG1	Hospital discharge diagnosis #1	Visits that resulted in hospital admission	6.9
EREMINDER	Does your ED have the computerized capability for providing reminders for guideline-based interventions or screening tests?	All visits	9.9
EWARNER	If computerized capability for ordering prescriptions, are warnings of drug interactions or contraindications provided?	All visits where ECPOEER=1	5.5

EIDPTER	Does your ED have the computerized capability for identifying patients due for preventive or follow-up care in order to send patients reminders?	All visits	11.7
EGENLISTER	Does your ED have the computerized capability for generating a list of patients with particular health conditions?	All visits	6.4
EDATAREPER	Does your ED have the computerized capability of providing data to create reports on clinical care measures for patients with specific chronic conditions?	All visits	7.2
EMSGER	Does your ED have the computerized capability for exchanging secure messages with patients?	All visits	8.6
ESHAREE	Does your hospital share any patient health information electronically?	All visits	5.8
ESHARESE	Do you electronically send patient health information to another provider whose EHR system is different from your own?	All visits where ESHAREE=1	7.5
ESHARERE	Do you electronically receive patient health information from another provider whose EHR system is different from your own?	All visits where ESHAREE=1	8.8
EDPRIM	When patients with identified primary care physicians (PCP) arrive at the ED, how often do you electronically send notifications to the patients' PCP?	All visits	12.4
EDINFO	When patients arrive at the ED, are you able to query for patients' healthcare information electronically (e.g., medications, allergies) from outside sources?	All visits	10.3
OBSCLIN	Does your ED have an observation or clinical decision unit?	All visits	7.1

BOARD	Are admitted ED patients ever "boarded" for more than 2 hours in the ED or observation unit while waiting for an inpatient bed?	All visits	7.4
BOARDHOS	Does your ED allow some admitted patients to move from the ED to inpatient corridors while awaiting a bed ("boarding") - sometimes called "full capacity protocol"?	All visits	8.5
AMBDIV	Did your ED go on ambulance diversion in 2016?	All visits	10.3
TOTHRDIVR	What is the total number of hours that your hospital's ED was on ambulance diversion in 2016?	All visits to EDs that went on ambulance diversion	25.2
ADMDIV	Does your hospital continue to admit elective or schedule surgery cases when ED is on ambulance diversion?	All visits	5.8
INCSHX	In the last two years, did your ED increase the number of standard treatment spaces?	All visits	8.8
INCPHYS	In the last two years, did your ED's physical space expand?	All visits	6.6
EXPSPACE	Do you have plans to expand your ED's physical space within the next two years?	All visits	7.4
CATRIAGE	Does your ED use computer-assisted triage?	All visits	13.8
IMBED	Does your ED use immediate bedding?	All visits	12.0

ADVTRIAG	Does your ED use advanced triage (triage-based care) protocols?	All visits	13.2
PHYSRACTRIA	Does your ED use physician/practitioner at triage?	All visits	7.2
FASTTRAK	Does your ED use separate fast track unit for nonurgent care?	All visits	6.8
EDPTOR	Does your ED use separate operating room dedicated to ED patients?	All visits	6.9
DASHBORD	Does your ED use electronic dashboard?	All visits	6.1
RFID	Does your ED use radio frequency identification (RFID) tracking?	All visits	9.3
WIRELESS	Does your ED use wireless communication devices by providers?	All visits	5.2
ZONENURS	Does your ED use zone nursing?	All visits	8.9
POOLNURS	Does your ED use pool nurses?	All visits	7.6
BEDCZAR	Does your hospital have a bed coordinator, sometimes known as a bed czar?	All visits	7.7

BEDDATA	How often are hospital bed census data available?	All visits	8.4
EMEDRES	Does hospital have an Emergency Medicine residency program?	All visits	8.9

Denominators used to compute item nonresponse rates were adjusted to account for skip patterns on the PRF. For example, if a hospital reported it did not go on ambulance diversion in the year prior to the survey (in this case, 2016), those hospitals were omitted when computing item non-response for the total number of hours the hospital's ED was on ambulance diversion.

For some items, missing values were imputed as described below. In addition to imputing missing data, masking was required for some records for items including race, ethnicity, physician's diagnosis and hospital discharge diagnosis in order to protect respondent confidentiality. Other items such as age were top coded in accordance with NCHS confidentiality requirements; this is noted for specific items in the Codebook.

On the ED file, four items were imputed: age (0.01%), sex (0.2 percent), race (18.5 percent), and ethnicity (20.9 percent). Sex was imputed using a hot deck based on 3-digit ICD-10-CM code for primary diagnosis, triage level, ED volume, and geographic region. Starting with 2010 data, the imputation of patient race and ethnicity was performed using a model-based single, sequential regression method. The decision to adopt this technique resulted from findings by an internal work group that studied imputation methods with NAMCS and NHAMCS data for nearly two years. The model used to impute race and ethnicity included the following variables: Census variables for ZIP code level race and ethnicity population estimates and an indicator for whether it was patient or hospital ZIP (used when patient ZIP was not available); patient age, sex, race, and ethnicity; triage level; log of ED wait time; primary expected source of payment derived from a hierarchical recode of the expected source of payment question; grouped 3-digit ICD-10-CM codes for primary diagnosis; year of visit; type of ESA area; provider's MSA status; and ED weighting and volume variables.

4. Injury-Related Data

Starting in 2014, injury data were edited using a program which reviewed codes for reason for visit, diagnosis, and cause of injury, and assigned injury and intentionality status accordingly. In this way, records which did not specifically state an injury but for which injury codes for reason, diagnosis, and/or cause of injury were present were recoded appropriately, while records which stated an injury but for which no corroborating data could be found were assigned to a 'questionable' injury status, allowing data users to make their own determination as desired. This method was used with 2016-17 data as well, but the codes used to define injury visits based on diagnosis and cause of injury were changed to reflect the adoption of the International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM).

G. MEDICAL CODING

The electronic Patient Record form contains several medical items requiring three separate coding systems. These coding systems are described briefly below. Definitions of the medical items can be found in Appendix I.

1. Patient's Complaint(s), Symptoms(s) or Other Reason(s) for this Visit

Information collected in the Reason for Visit item was coded according to A Reason for Visit Classification for Ambulatory Care (RVC) (6). The most recent classification can be found in Appendix II. The classification is updated as needed to incorporate new codes as well as changes to existing codes. The system continues to utilize a modular structure. The digits 1 through 8 precede the 3-digit RVC codes to identify the various modules as follows:

<u>Prefix</u>	<u>Module</u>
"1"	Symptom module
"2"	Disease module
"3"	Diagnostic, screening, and preventive module
"4"	Treatment module
"5"	Injuries and adverse effects module
"6"	Test results module
"7"	Administrative module
"8"	Uncodable entries
"9"	Special code = blank

Up to five reasons for visit were coded from the PRFs in sequence; coding instructions for this item are contained in the Reason for Visit Classification and Coding Manual (7).

2. Cause of Injury/Trauma, Overdose/Poisoning, or Adverse Effect of Medical/Surgical Treatment

Up to three causes of injury/trauma, overdose/poisoning, or adverse effect were coded from text responses to the "Cause of injury/trauma, overdose/poisoning, or adverse effect of medical/surgical treatment" section in the Injury item on the ED PRF. NCHS contracted medical coders used the International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) (8) to code the responses. Unlike the International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM) (9), which included the Supplementary Classification of External Causes of Injury and Poisoning (E-codes), ICD-10-CM used additional chapters of codes starting with the letters V, W, X, and Y to describe external causes of injury.

For the NHAMCS ED public use file, only the first four digits of the ICD-10-CM 7-digit cause of injury code are included. There is a separate item added to indicate the encounter status normally found in the 7th position for initial episode of care for the injury, subsequent episode of care for the injury, or sequela of the injury. There is an implied decimal between the third and fourth digits and inapplicable 4th digits are dash-filled.

Examples: V011 = V01.1 Pedestrian injured in collision with pedal cycle in traffic accident.
W14- = W14 Fall from tree

Because ICD-10-CM incorporates many alphabetic characters into their expanded list of codes, we can no longer provide numeric recodes for the cause of injury fields.

3. Provider's Diagnosis

Up to five diagnoses were coded in sequence from text responses to the "Diagnosis" item on the ED PRF. NCHS contracted medical coders used the International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) to code the responses. Coding instructions for diagnoses are contained in the NHAMCS Coding Requirements Manual (10).

In ICD-10-CM, diagnosis codes can have a maximum of 7 digits. ICD-10-CM organizes these codes within chapters from A to T. The Z chapter is used to assign codes for occasions that are not related to a current illness or injury.

For the NHAMCS ED public use file, only the first four digits of the diagnosis codes are included. There is an implied decimal between the third and fourth digits and inapplicable 4th digits are dash-filled. For example:

F321 = F32.1 Major depressive disorder, single episode, moderate
I10- = I10 Essential (primary) hypertension
Z992 = Z99.2 Dependence on renal dialysis

In addition to these 4-digit diagnosis codes, the following unique codes in the diagnosis fields were developed by Division of Health Care Statistics (DHCS) staff:

ZZZ0 = Noncodable diagnosis, insufficient information for coding, illegible diagnosis
ZZZ1 = Left before being seen, walked out, eloped, left against medical advice
ZZZ2 = Discharge dispositions entered such as "return to nursing home", "transfer to nursing home", "transfer to psychiatric hospital", "transfer to other hospital", sent to see specialist, referred
ZZZ3 = Insurance/HMO will not authorize treatment
ZZZ4 = Entry of "none," "no diagnosis," "no disease," "healthy" as the ONLY entry in the diagnosis item
ZZZ5 = Entry of "NA", "Not Available", "Not Applicable" or "Blank".
-9 = Field is blank (in contrast to an actual entry of "Blank")

As mentioned above, because ICD-10-CM uses non-numeric characters so extensively, we are no longer able to provide numeric recodes for the diagnosis codes.

4. Medications & Immunizations

The NHAMCS drug data collected in the Medications & Immunizations item have been classified and coded using the entry name (the entry made on the PRF) according to a unique classification scheme developed at NCHS (11). The medical classification system of drugs by entry name uses a five-digit coding scheme which is updated regularly to include new products. It includes the following special codes:

-9 = blank
99980 = unknown entry, other
99999 = illegible entry

Up to 30 medications could be recorded for each visit. A list of drug codes by entry name is included in Appendix III.

In addition to drugs coded by entry name, this file contains the following drug information:

a. Generic drug code: Drugs are coded in terms of their generic components and therapeutic classifications using Lexicon Plus[®], a proprietary database of Cerner Multum, Inc. The Lexicon Plus is a comprehensive database of all prescription and some nonprescription drug products available in the U.S. drug market.

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 NHAMCS

drug data. For additional information on the Multum Lexicon Drug Database, please refer to the following Web site: http://www.cerner.com/cerner_multum/

All drug codes based on entry name (using NCHS' classification system as cited above) were also assigned a unique generic drug code from Multum's Lexicon Drug Database where possible. The structure of the Multum database is such that multiple ingredient drugs are assigned a single generic drug code encompassing all of a drug's ingredients rather than being assigned generic drug codes for each ingredient.

The generic drug code (DRUGID1-DRUGID30) is 6 digits, beginning with the letters "a", "c", "d" or "n". All Multum codes begin with the letter "d", but there were some drug names reported by NHAMCS participants that were not found in the Lexicon Drug Database. These were assigned unique drug codes beginning with an "a" where a drug's ingredients could be determined, or a "c" (for 2006 and 2007 data only) or an "n" (2008 data forward) where a drug's ingredients could not be determined.

For a description of the method used to code drug data prior to 2006, please see page 20 of the 2009 NHAMCS Public Use File Documentation:

ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc09.pdf

b. Prescription status code: A code designed to identify the legal status (prescription or nonprescription) of the drug entry.

c. Controlled substance status code: A code used to denote the degree of potential abuse and federal control of a drug entry.

d. Composition status code: A code used to distinguish between single-ingredient and combination drugs.

e. Therapeutic category code: Multum's therapeutic classification system was first used in the 2006 NHAMCS public use files. Prior to that time, a 4-digit code was used to identify up to three therapeutic classes to which the drug entry might belong. (Prior to 2002 only a single therapeutic class was listed, but additional classes can be added for those years using tools available at the NHAMCS website.) These were based on the standard drug classifications used in the National Drug Code Directory, 1995 edition (12).

The Multum Lexicon provides a 3-level nested category system that assigns a therapeutic classification to each drug and each ingredient of the drug (e.g., for naproxen: the broadest category is central nervous system agents [level 1]; the more detailed category is analgesics [level 2]; and the most detailed category is nonsteroidal anti-inflammatory agents [level 3]). Not all drugs have three classification levels; some may only have two [e.g. for digoxin: cardiovascular agents [level 1]; inotropic agents [level 2]], others only have one. See Appendix III for the complete Multum category scheme.

Each drug may have up to four therapeutic categories on the public use file. The variables RX1CAT1 through RX30CAT4 reflect the unique Multum drug categories for a particular drug; these are character values with codes from '001' through '498'. This variable will always show the most detailed therapeutic level available of a particular drug.

For example, psychotherapeutic agents in Multum are further classified into a second more detailed level as antidepressants or antipsychotics. Antidepressants are further classified into seven subcategories (miscellaneous antidepressants, SSRI antidepressants, tricyclic antidepressants, monoamine oxidase inhibitors, phenylpiperazine antidepressants, tetracyclic antidepressants, and SSNRI antidepressants); antipsychotics are further classified into five subcategories. For a drug categorized as a tricyclic antidepressant, it would have a drug category code of '209', reflecting the Level 3 code.

Other drugs may have only two levels available, such as immunologic agents. There are six level 2 categories of immunologic agents, and no further breakdowns into a third level in the Multum system. Therefore, RX1CAT1 would reflect only a second level code in that case. So, using RX1CAT1-RX30CAT4 will allow you to identify the most specific level of a drug, but will not, by itself, identify whether that code reflects the first, second, or third level.

In order to understand each level in terms of the Multum hierarchy, we have also placed on the file additional variables that show the full first, second, and third levels, if applicable, for each drug category for each drug. For example, in the case of the tricyclic antidepressant mentioned earlier, RX1CAT1='209'. But there are three additional variables corresponding to that drug's first therapeutic category. RX1V1C1 (meaning Drug 1, Level 1 of Therapeutic Category 1) would be '242' (psychotherapeutic agents), RX1V2C1 (Drug 1, Level 2 of Therapeutic Category 1) would be '249' (antidepressants), and RX1V3C1 (Drug 1, Level 3 of Therapeutic Category 1) would be '209' (tricyclic antidepressants). If there were no second or third level for a particular category, the entry would be blank (' '). This is repeated for each of the drug's maximum of four therapeutic categories. The three levels can easily be concatenated by data users if they wish to obtain a complete code showing the full level structure applicable to each drug's therapeutic categories. An advantage of having separate levels is that it allows data users to aggregate drugs at any level desired. SAS code is provided at the website for micro-data users who wish to group therapeutic categories in various ways.

All drugs were coded using Multum drug categories, even those drugs that were not found in Multum's drug database. "Unspecified" drugs were assigned to their respective therapeutic category (e.g., hormones – unspecified: category id=97, category name=hormones/hormone modifiers). Drugs that could not be assigned to any drug entry name (MED1-MED30 = 99980, 99999) were put in an NCHS-defined miscellaneous category. In some cases, NCHS was able to categorize a drug's therapeutic class at the first or second Multum level, but not at the more detailed level. When this occurred, the undetermined levels are designated as '999' in the data.

Multum uses a "combination" category for some multiple ingredient drugs. These include antihypertensive combinations, antiasthmatic combinations, upper respiratory combinations, psychotherapeutic combinations, bronchodilator combinations, sex hormone combinations, skeletal muscle relaxant combinations, and narcotic analgesic combinations. This categorization may be sufficient for certain analyses but not for others because it lacks information about the therapeutic effect of the individual ingredients that make up the combination. For example, the drug HYDROCHLOROTHIAZIDE; LOSARTAN is identified as an antihypertensive combination. Therefore, we know that this drug has an antihypertensive drug effect. However, based on this combination category we do not know that the drug's single ingredients have the therapeutic effects of a diuretic and angiotensin II inhibitor, which is relevant for some analyses.

As a result, NCHS decided that, in addition to assigning therapeutic categories to each drug, a separate file would be provided listing the ingredients for each drug along with the therapeutic classes for each ingredient. In the case of single ingredient drugs, the ingredient therapeutic categories would be the same as the drug therapeutic categories. This separate downloadable file (DRUG_INGREDIENTS_2017) can be matched to the main file using the DRUGID code. For each DRUGID on the main file, the supplemental file contains up to 5 ingredients and up to 3 therapeutic category codes for each ingredient. Prior to 2006, codes used to identify the active generic ingredients of combination drugs were included on the public use file.

NOTE: For 2017, we have continued to update and revise the drug characteristics in our ambulatory care drug database, which underwent substantial revision beginning in 2002. From 2002-2005, each drug entry had up to three therapeutic classes associated with it, compared with a single therapeutic class in prior years. These factors made trend analyses more problematic, and the solution was to provide researchers with a Drug Characteristics file, which was updated annually, at our Ambulatory Health Care Data website. The characteristics from this file can be applied by matching on drug codes to previous

years of data in order to get the most accurate results when doing trend analyses prior to 2006. A SAS program for applying drug characteristics from the Drug Characteristics file to previous years of public use data is also available for downloading.

However, with the adoption of the Multum Lexicon for coding drugs according to generic ingredients and therapeutic categories, a new solution for trend analysis was necessary. Therefore, beginning with the 2006 data release, we also provided a separate downloadable mapping file (MEDCODE_DRUGID_MAP_2006), which allowed data users to match all of the drug codes used in previous years (for example, MED1-MED8 in 2005) with the corresponding Multum DRUGID code for generic composition of the drug and its corresponding therapeutic categories. Once that was accomplished, users could also match to the drug ingredient file as described above.

The mapping file has been updated over the years and can be downloaded at ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/drugs/. Note, however, that, the most recent version is for 2013; resource issues have prevented us from updating it since that time.

Researchers should keep in mind, that in cases where drug characteristics have legitimately changed over time (e.g., moving from prescription to non-prescription status), using a newer version of the drug characteristics will overwrite all of the older ones, thereby introducing inaccuracies for earlier years.

Data users should also keep in mind that the Multum classification system can itself change over time, with new categories being added and some therapeutic categories being removed from an existing category and placed in a new one. In coding 2009 data, for example, therapeutic class was modified to reflect changes to the Multum Lexicon system regarding the therapeutic class of Genitourinary Tract Agents. This was previously a second-level category within the first-level category of Miscellaneous Agents. It was changed to a first-level category of Genitourinary Tract Agents. All of the previous third-level classes within the original scheme were changed to second-level categories in the new scheme.

For users who are interested in analyzing drug data, one method involves the isolation of those records with drugs, or drug mentions, and the creation of a separate data file of drug mentions. Each Patient Record for 2017 can have up to thirty (ED) drug mentions recorded, so whatever file is created would need to include all of them. This method can be used for obtaining estimates of drug mentions, but is not recommended for variance estimation. Rather, the structure of the visit file should be kept intact when estimating variance. In order to do this, estimates of drug mentions can be obtained by creating a new weight variable (called DRUGWT in this example). This variable is created by multiplying PATWT (the patient visit weight) by NUMMED (the number of medications recorded at the sampled visit) or $DRUGWT = PATWT * NUMMED$. DRUGWT can then be used in place of PATWT to weight one's data; it produces the estimated number of drug mentions rather than visits. (See Codebook for more on PATWT and NUMMED.)

This documentation contains marginal data for drug mentions. Should the data user need additional assistance in analyzing data on drug mentions, the staff of the Ambulatory and Hospital Care Statistics Branch is available by calling (301) 458-4600 or emailing ambcare@cdc.gov. Our website can be accessed at: <http://www.cdc.gov/nchs/ahcd.htm>

H. ESTIMATION PROCEDURES

Statistics from NHAMCS were derived by a multistage estimation procedure that produces essentially unbiased estimates. The estimation procedure has three basic components: 1) inflation by reciprocals of the sampling selection probabilities; 2) adjustment for nonresponse; and 3) a population weighting ratio adjustment.

1. Inflation by reciprocals of selection probabilities

There is one probability for each sampling stage: a) the probability of selecting the PSU; b) the probability of selecting the hospital; c) the probability of selecting the OPD clinic from within the hospital; and d) the probability of selecting the visit within the ESA or clinic. The last probability is calculated to be the sample size from the ESA or clinic divided by the total number of visits occurring in that unit during that unit's data collection period. The overall probability of selection is the product of the probabilities at each stage. The inverse of the overall selection probability is the basic inflation weight. Beginning in 1997, the overall selection probabilities of some OPDs were permanently trimmed to prevent individual OPDs from contributing too much of their region's total for OPD visit estimates.

2. Adjustment for nonresponse

NHAMCS data were adjusted to account for two types of nonresponse. The first type of nonresponse occurs when a sample hospital refuses to provide information about its ESA(s) and/or OPD clinic(s) which are publicly known to exist. In this case, the weights of visits to hospitals similar to the nonrespondent hospitals were inflated to account for visits made to the nonrespondent hospitals where hospitals were judged to be similar if they were in the same region, had the same department size, and had the same metropolitan statistical area (MSA) status (that is, whether they were located in an MSA or not in an MSA). This adjustment was made separately by department type.

The second type of nonresponse occurs when an ESA or a sample OPD clinic within a respondent hospital fails to provide completed PRFs for a sample of its patient visits. In this case, the weights for visits to ESAs/OPD clinics similar to nonrespondent ESAs/OPD clinics were inflated to account for visits represented by nonrespondent ESAs/OPD clinics where ESAs/OPD clinics were judged to be similar if they were in the same region, MSA status group, and ESA/OPD clinic group. For this purpose, there were six OPD clinic groups: general medicine, pediatrics, surgery, OB/GYN, alcohol and/or substance abuse, and "other."

Beginning in 2004, changes were made to the nonresponse adjustment factor to account for the seasonality of the reporting period. Extra weights for nonresponding hospital OPDs and EDs were shifted to responding outpatient and emergency departments in reporting periods within the same quarter of the year. The shift in nonresponse adjustment did not significantly affect any of the overall annual estimates. However, adjustment for non-response within season was not feasible for the 2016 ED visit estimates due to uneven ED response across seasons. It was performed for 2017 data.

3. Ratio adjustments

Adjustments were made within hospital strata defined by region. Within the Northeast, the Midwest and the South, the adjustment strata were further defined by MSA status. These adjustments were made separately for emergency and outpatient departments. For EDs, the adjustment was a multiplicative factor that had as its numerator the sum of annual visit volumes reported for EDs in sampling frame hospitals in the stratum and as its denominator the estimated number of those visits for that stratum.

Beginning in 1997, the adjustment for OPD estimates was replaced by a ratio which had as its numerator the weighted OPD visit volumes of hospitals in the full NHAMCS sample (16 hospital panels) and as its denominator the weighted OPD visit volumes of hospitals in the 13 hospital panels included in the sample for the survey year. (The full NHAMCS hospital sample is partitioned into 16 panels which are rotated into the sample over 16 periods of four weeks each so that only 13 panels are used in each year.) This adjustment used visit volumes that were based on the most recent survey data collected from hospitals that had participated in NHAMCS at least once. For hospitals which had never participated, visit volumes were obtained by phone, from frame data, or by using the average of visit volumes for refusal hospitals which had converted to respondent status.

I. PATIENT VISIT WEIGHT

The "patient visit weight" is a vital component in the process of producing estimates from sample data and its use should be clearly understood by all data file users. The statistics contained on the micro-data file reflect only a sample of patient visits-- not a complete count of all such visits that occurred in the United States. Each record on the ED file represents one visit in the sample of 16,709 visits. In order to obtain estimates from the sample, each record is assigned an inflation factor called the "patient visit weight."

By aggregating the "patient visit weights" assigned to the PATWT variable on the 16,709 sample visit records for 2017, the user can obtain the estimated total of 138,977,360 ED visits made in the United States.

IMPORTANT: Estimates for classes of ED visits other than the total produced from the 2017 ED public use file may differ somewhat from those estimates produced from NCHS in-house files. This is because of adjustments required for the public use data as part of the disclosure avoidance process. Certain variables, including race, ethnicity, physician's diagnosis, and hospital discharge diagnosis, were masked on some records for confidentiality purposes. Other items such as age were top coded in accordance with NCHS confidentiality requirements; this is noted for specific items in the Codebook.

The marginal tables in Section III contain data on numbers of records for selected variables as well as the corresponding estimated number of visits and drug mentions obtained by aggregating the "patient visit weights" on those records. Note that there are no estimates for OPD settings because the OPD data file is not part of this product.

J. HOSPITAL CODE and PATIENT CODE

The purpose of these codes is to allow for greater analytical depth by permitting the user to link each hospital's individual PRFs on the public use file. This linkage will enable users to conduct more comprehensive analysis without violating the confidentiality of patients or hospitals. Hospital codes are randomly assigned each year and may be different on the OPD and ED files.

To uniquely identify a record, both the hospital code and the patient code must be used. Patient codes are merely a sequential numbering of the visits submitted by the hospital and alone will not uniquely identify visit records. In order to do so, both the unique 3-digit hospital code and the 3-digit patient code must be used.

K. USE OF THE ED WEIGHT

An emergency department weight (EDWT) was first added to the 2005 ED public use file. These weights enable data users to calculate department-level estimates. There is generally one weight for each emergency department which appears on the first visit record only for that department.

When running an analysis of facility-level characteristics using EDWT, it is recommended to select only those records where EDWT is greater than 0. This will result in correct sample counts of variables, which is useful for assessing reliability. Weighted estimates will be correct either way, because of the one weight per department format.

Estimates at the ED level generated using EDWT reflect only the characteristics of facilities which participated in the survey. Therefore, estimates made with EDWT could be biased if nonresponding facilities had different characteristics than those which responded.

In addition to producing estimates of department-level characteristics, it is possible to compute means of visit characteristics at the department level, for example, caseload percentages across emergency departments for expected source of payment. This type of analysis is somewhat complicated and is described with sample SAS code at the Ambulatory Health Care Data website (www.cdc.gov/nchs/nhamcs.htm). For more information, contact the Ambulatory and Hospital Care Statistics Branch at 301-458-4600 or emailing ambcare@cdc.gov.

L. POPULATION FIGURES

The base population used in computing annual visit rates is presented in table's I-II. The estimates of age, sex, race, ethnicity, and geographic region for the civilian noninstitutionalized population of the U.S. are from special tabulations developed by the Population Division, U.S. Census Bureau using the July 1, 2017 set of state population estimates, and reflect Census 2010 data. More information may be obtained from the Census website at www.census.gov.

Population estimates for race groups in the 2017 NHAMCS are based on data from the 2010 U.S. Census in which respondents were able to indicate more than one race category. Specific race denominators reflect persons with a single race identification, and a separate denominator is available for persons with more than one race designation. For a description of differences in the collection of race data as well as population denominators used for producing visit rates by race prior to 2002, please see the 2009 NHAMCS Public Use File Documentation.

Data indicate that multiple races are recorded for a patient less frequently in medical records compared to their numbers in the general population. The 2017 population estimates indicate that 2.7 percent of the total population identify themselves as being of multiple races. In contrast, multiple race patients account for 0.4 percent of weighted ED visits (based on known race data only). (REMINDER: Since 2009, NHAMCS data only include imputed values for the race categories White, Black, and Other.) Differences may exist because hospital staff are less likely to know and record multiple race preferences for patients, and not because, after age-adjusting, persons with multiple races make fewer visits to EDs. This implies that the ED visit rates by race populations calculated for 2017 are probably slight overestimates for the single race categories and underestimates for the multiple race category.

Table I. U.S. population estimates used in computing annual visit rates for the National Hospital Ambulatory Medical Care Survey, by age, race, and sex: July 1, 2017

Race and sex	All ages	Under 1	1-4	5-14	15-24	25-34
All Races	320,643,170	3,937,527	15,995,894	41,043,952	42,283,341	44,137,138
Male	156,792,712	2,014,286	8,178,970	20,947,592	21,328,208	21,941,739
Female	163,850,458	1,923,241	7,816,924	20,096,360	20,955,133	22,195,399
White Only	246,141,888	2,820,674	11,433,796	29,744,500	31,062,650	32,627,837
Male	121,429,998	1,444,305	5,856,413	15,220,120	15,760,128	16,445,744
Female	124,711,890	1,376,369	5,577,383	14,524,380	15,302,522	16,182,093
Black Only	42,152,320	599,134	2,438,352	6,154,832	6,367,694	6,339,518
Male	19,725,003	305,082	1,235,916	3,115,859	3,130,927	2,979,695
Female	22,427,317	294,052	1,202,436	3,038,973	3,236,767	3,359,823
AIAN* Only	4,034,469	63,119	256,034	654,325	634,831	624,984
Male	2,012,479	32,213	130,212	332,531	318,675	319,961
Female	2,021,990	30,906	125,822	321,794	316,156	305,023
Asian Only	18,895,487	200,053	861,321	2,176,543	2,441,087	3,243,321
Male	8,980,333	102,673	442,840	1,102,714	1,224,912	1,566,989
Female	9,915,154	97,380	418,481	1,073,829	1,216,175	1,676,332
NHOPI*	764,394	12,409	49,603	120,554	111,890	132,481
Male	381,604	6,352	25,311	61,150	55,497	67,401
Female	382,790	6,057	24,292	59,404	56,393	65,080
Multiple						
Races	8,654,612	242,138	956,788	2,193,198	1,665,189	1,168,997
Male	4,263,295	123,661	488,278	1,115,218	838,069	561,949
Female	4,391,317	118,477	468,510	1,077,980	827,120	607,048

*NHOPI is Native Hawaiian/Other Pacific Islander. AIAN is American Indian/Alaska Native.

Geographic Region totals		Metropolitan Statistical Area totals	
Northeast	55,745,250	MSA	279,735,720
Midwest	67,198,194	Non-MSA	40,907,450
South	121,396,909		
West	76,302,817		

Table I. U.S. population estimates used in computing annual visit rates for the National Hospital Ambulatory Medical Care Survey, by age, race, and sex: July 1, 2017 - con.

Race and sex	35-44	45-54	55-64	65-74	75+
All Races	40,073,924	41,863,704	41,741,958	29,457,879	20,107,853
Male	19,667,039	20,469,709	20,073,816	13,763,425	8,407,928
Female	20,406,885	21,393,995	21,668,142	15,694,454	11,699,925
White Only	30,238,489	32,676,895	33,719,654	24,621,564	17,195,829
Male	15,123,827	16,226,590	16,417,599	11,654,412	7,280,860
Female	15,114,662	16,450,305	17,302,055	12,967,152	9,914,969
Black Only	5,334,796	5,361,453	4,947,581	2,902,426	1,706,534
Male	2,414,019	2,439,888	2,239,185	1,241,274	623,158
Female	2,920,777	2,921,565	2,708,396	1,661,152	1,083,376
AIAN* Only	534,232	492,052	417,768	232,482	124,642
Male	270,471	245,361	201,058	109,348	52,649
Female	263,761	246,691	216,710	123,134	71,993
Asian Only	3,015,730	2,602,134	2,076,769	1,378,917	899,612
Male	1,404,825	1,210,819	940,576	608,669	375,316
Female	1,610,905	1,391,315	1,136,193	770,248	524,296
NHOPI*	112,305	92,129	72,102	40,011	20,910
Male	57,080	45,301	35,073	19,345	9,094
Female	55,225	46,828	37,029	20,666	11,816
Multiple Races	838,372	639,041	508,084	282,479	160,326
Male	396,817	301,750	240,325	130,377	66,851
Female	441,555	337,291	267,759	152,102	93,475

*NHOPI is Native Hawaiian/Other Pacific Islander. AIAN is American Indian/Alaska Native.

SOURCE: These are U.S. Bureau of the Census postcensal estimates of the civilian noninstitutionalized population of the United States as of July 1, 2017. The estimates of age, sex, race and region are from special tabulations developed by the Population Division, U.S. Census Bureau using the July 1, 2017 set of state population estimates, and reflect Census 2010 data. More information may be obtained from the Census website at www.census.gov.

Table II. U.S. population estimates used in computing annual visit rates for the National Hospital Ambulatory Medical Care Survey, by ethnicity, age, race, and sex: July 1, 2017

HISPANIC						
Race and sex	All ages	Under 1	1-4	5-14	15-24	25-34
All Races	58,290,211	1,030,441	4,149,258	10,430,321	9,562,411	9,111,558
Male	29,223,986	526,456	2,114,721	5,313,061	4,851,913	4,702,167
Female	29,066,225	503,985	2,034,537	5,117,260	4,710,498	4,409,391
White Only	51,237,274	874,771	3,528,352	8,978,219	8,352,297	7,982,623
Male	25,712,864	447,037	1,799,088	4,574,747	4,239,512	4,131,899
Female	25,524,410	427,734	1,729,264	4,403,472	4,112,785	3,850,724
Black Only	2,806,089	58,461	236,344	550,163	473,239	461,957
Male	1,363,325	29,837	120,257	279,231	239,959	225,250
Female	1,442,764	28,624	116,087	270,932	233,280	236,707
AIAN* Only	1,686,155	30,876	123,338	305,912	280,221	278,753
Male	872,694	15,721	62,498	156,017	141,990	150,584
Female	813,461	15,155	60,840	149,895	138,231	128,169
Asian Only	584,896	12,918	49,999	112,908	95,344	94,611
Male	289,195	6,606	25,432	57,892	47,899	46,716
Female	295,701	6,312	24,567	55,016	47,445	47,895
NHOPI*	206,398	4,370	16,876	38,932	32,804	37,209
Male	106,135	2,236	8,561	19,749	16,550	20,232
Female	100,263	2,134	8,315	19,183	16,254	16,977
Multiple						
Races	1,769,399	49,045	194,349	444,187	328,506	256,405
Male	879,773	25,019	98,885	225,425	166,003	127,486
Female	889,626	24,026	95,464	218,762	162,503	128,919

Table II. U.S. population estimates used in computing annual visit rates for the National Hospital Ambulatory Medical Care Survey, by ethnicity, age, race, and sex: July 1, 2017 - con.

Race and sex	35-44	45-54	55-64	65-74	75+
All Races	8,343,467	6,832,458	4,678,941	2,535,631	1,615,725
Male	4,230,695	3,419,793	2,263,528	1,152,035	649,617
Female	4,112,772	3,412,665	2,415,413	1,383,596	966,108
White Only	7,392,190	6,124,985	4,207,257	2,305,655	1,490,925
Male	3,760,422	3,074,662	2,037,522	1,047,917	600,058
Female	3,631,768	3,050,323	2,169,735	1,257,738	890,867
Black Only	382,687	286,353	196,205	101,776	58,904
Male	178,397	132,395	90,599	44,619	22,781
Female	204,290	153,958	105,606	57,157	36,123
AIAN* Only	250,955	198,376	129,682	58,812	29,230
Male	133,921	104,628	66,448	28,515	12,372
Female	117,034	93,748	63,234	30,297	16,858
Asian Only	82,375	62,992	41,796	20,704	11,249
Male	40,637	30,741	19,730	9,181	4,361
Female	41,738	32,251	22,066	11,523	6,888
NHOPI*	31,511	22,287	13,388	5,885	3,136
Male	16,872	11,315	6,544	2,807	1,269
Female	14,639	10,972	6,844	3,078	1,867
Multiple Races	203,749	137,465	90,613	42,799	22,281
Male	100,446	66,052	42,685	18,996	8,776
Female	103,303	71,413	47,928	23,803	13,505

*NHOPI is Native Hawaiian/Other Pacific Islander. AIAN is American Indian/Alaska Native.

SOURCE: These are U.S. Bureau of the Census postcensal estimates of the civilian noninstitutionalized population of the United States as of July 1, 2017. They were developed by the Population Division, U.S. Census Bureau using the July 1, 2017 set of state population estimates, and reflect Census 2010 data. More information may be obtained from the Census website at www.census.gov.

Table II. U.S. population estimates used in computing annual visit rates for the National Hospital Ambulatory Medical Care Survey, by ethnicity, age, race, and sex: July 1, 2017 – con.

**NON-
HISPANIC**

Race and sex	All ages	Under 1	1-4	5-14	15-24	25-34
All Races	262,352,959	2,907,086	11,846,636	30,613,631	32,720,930	35,025,580
Male	127,568,726	1,487,830	6,064,249	15,634,531	16,476,295	17,239,572
Female	134,784,233	1,419,256	5,782,387	14,979,100	16,244,635	17,786,008
White Only	194,904,614	1,945,903	7,905,444	20,766,281	22,710,353	24,645,214
Male	95,717,134	997,268	4,057,325	10,645,373	11,520,616	12,313,845
Female	99,187,480	948,635	3,848,119	10,120,908	11,189,737	12,331,369
Black Only	39,346,231	540,673	2,202,008	5,604,669	5,894,455	5,877,561
Male	18,361,678	275,245	1,115,659	2,836,628	2,890,968	2,754,445
Female	20,984,553	265,428	1,086,349	2,768,041	3,003,487	3,123,116
AIAN* Only	2,348,314	32,243	132,696	348,413	354,610	346,231
Male	1,139,785	16,492	67,714	176,514	176,685	169,377
Female	1,208,529	15,751	64,982	171,899	177,925	176,854
Asian Only	18,310,591	187,135	811,322	2,063,635	2,345,743	3,148,710
Male	8,691,138	96,067	417,408	1,044,822	1,177,013	1,520,273
Female	9,619,453	91,068	393,914	1,018,813	1,168,730	1,628,437
NHOPI*	557,996	8,039	32,727	81,622	79,086	95,272
Male	275,469	4,116	16,750	41,401	38,947	47,169
Female	282,527	3,923	15,977	40,221	40,139	48,103
Multiple						
Races	6,885,213	193,093	762,439	1,749,011	1,336,683	912,592
Male	3,383,522	98,642	389,393	889,793	672,066	434,463
Female	3,501,691	94,451	373,046	859,218	664,617	478,129

Table II. U.S. population estimates used in computing annual visit rates for the National Hospital Ambulatory Medical Care Survey, by ethnicity, age, race, and sex: July 1, 2017 - con.

NON-HISPANIC					
Race and sex	35-44	45-54	55-64	65-74	75+
All Races	31,730,457	35,031,246	37,063,017	26,922,248	18,492,128
Male	15,436,344	17,049,916	17,810,288	12,611,390	7,758,311
Female	16,294,113	17,981,330	19,252,729	14,310,858	10,733,817
White Only	22,846,299	26,551,910	29,512,397	22,315,909	15,704,904
Male	11,363,405	13,151,928	14,380,077	10,606,495	6,680,802
Female	11,482,894	13,399,982	15,132,320	11,709,414	9,024,102
Black Only	4,952,109	5,075,100	4,751,376	2,800,650	1,647,630
Male	2,235,622	2,307,493	2,148,586	1,196,655	600,377
Female	2,716,487	2,767,607	2,602,790	1,603,995	1,047,253
AIAN* Only	283,277	293,676	288,086	173,670	95,412
Male	136,550	140,733	134,610	80,833	40,277
Female	146,727	152,943	153,476	92,837	55,135
Asian Only	2,933,355	2,539,142	2,034,973	1,358,213	888,363
Male	1,364,188	1,180,078	920,846	599,488	370,955
Female	1,569,167	1,359,064	1,114,127	758,725	517,408
NHOPI*	80,794	69,842	58,714	34,126	17,774
Male	40,208	33,986	28,529	16,538	7,825
Female	40,586	35,856	30,185	17,588	9,949
Multiple Races	634,623	501,576	417,471	239,680	138,045
Male	296,371	235,698	197,640	111,381	58,075
Female	338,252	265,878	219,831	128,299	79,970

*NHOPI is Native Hawaiian/Other Pacific Islander. AIAN is American Indian/Alaska Native.

SOURCE: These are U.S. Bureau of the Census postcensal estimates of the civilian noninstitutionalized population of the United States as of July 1, 2017. They were developed by the Population Division, U.S. Census Bureau using the July 1, 2017 set of state population estimates, and reflect Census 2010 data. More information may be obtained from the Census website at www.census.gov.

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Information concerning additional reports using NHAMCS data that have been published or are scheduled for publication through NCHS may be obtained from the Ambulatory and Hospital Care Statistics Branch.

II. A. CODEBOOK OF EMERGENCY DEPARTMENT MICRO-DATA FILE

Number of records = 16,709

This section consists of a detailed description of each data item on the record. Included are a sequential item number, field length, file location, and brief description of the item, along with valid codes. Unless otherwise stated in the "item description" column, the data are derived from the Emergency Department automated Patient Record form. The hospital induction interview is another source of information, and some data are derived by recoding selected items.

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
			DATE OF VISIT
1	2	1-2	[VMONTH] MONTH OF VISIT 01-12: January-December
2	1	3	[VDAYR] DAY OF WEEK OF VISIT 1 = Sunday 2 = Monday 3 = Tuesday 4 = Wednesday 5 = Thursday 6 = Friday 7 = Saturday
3	4	4-7	[ARRTIME] ARRIVAL TIME (military time) -9 = Blank 0000-2359
4	4	8-11	[WAITTIME] WAITING TIME TO FIRST PROVIDER (PHYSICIAN/APRN/PA) CONTACT (in minutes) (Note: APRN is advanced practice registered nurse, PA is physician assistant) Calculated from date and time of ED arrival, and time of first provider (PHYSICIAN/APRN/PA) contact -9 = Blank -7 = Not applicable (Not seen by PHYSICIAN/APRN/PA) 0-1440 (reported range)
5	4	12-15	[BLANK1] PLACEHOLDER FOR [LOV] LENGTH OF VISIT (minutes) Calculated from date and time of ED arrival and discharge Not released due to data quality issues. -9 = Blank

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
6	3	16-18	[AGE] PATIENT AGE (IN YEARS; DERIVED FROM DATE OF VISIT AND DATE OF BIRTH) Note: Outlier values were top coded in accordance with NCHS confidentiality requirements. 0 = Under 1 year 1-92 93 = 93 years or older
7	1	19	[AGER] AGE RECODE 1 = Under 15 years 2 = 15-24 years 3 = 25-44 years 4 = 45-64 years 5 = 65-74 years 6 = 75 years and over
8	3	20-22	[AGEDAYS] AGE IN DAYS FOR PATIENTS LESS THAN ONE YEAR OF AGE -7 = Not applicable 001-364 = 001-364 days
9	2	23-24	[RESIDNCE] PATIENT RESIDENCE -9 = Blank -8 = Unknown 1 = Private residence 2 = Nursing home 3 = Homeless/homeless shelter 4 = Other
10	1	25	[SEX] SEX 1 = Female 2 = Male
11	2	26-27	[ETHUN] ETHNICITY (UNIMPUTED) This variable is NOT imputed. Ethnicity data were missing on 20.9 percent of ED records. An imputed ethnicity variable can be found in column 28. -9= Blank 1 = Hispanic or Latino 2 = Not Hispanic or Latino
12	1	28	[ETHIM] ETHNICITY (WITH MISSING DATA IMPUTED) 1 = Hispanic or Latino 2 = Not Hispanic or Latino

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
13	2	29-30	[RACEUN] RACE (UNIMPUTED) This variable is NOT imputed. Race data were missing on 18.5 percent of ED records. An imputed race variable can be found in column 31. -9 = Blank 1 = White 2 = Black/African American 3 = Asian 4 = Native Hawaiian/Other Pacific Islander 5 = American Indian/Alaska Native 6 = More than one race reported
14	1	31	[RACER] RACE (WITH MISSING DATA IMPUTED) 1 = White 2 = Black 3 = Other
15	1	32	[RACERETH] RACE/ETHNICITY (WITH MISSING DATA IMPUTED) 1 = Non-Hispanic White 2 = Non-Hispanic Black 3 = Hispanic 4 = Non-Hispanic Other
16	2	33-34	[ARREMS] Arrival by ambulance -9 = Blank -8 = Unknown 1 = Yes 2 = No
17	2	35-36	[AMBTRANSFER] If "Yes" to Arrival by Ambulance, was the patient transferred from another hospital or urgent care facility? -9 = Blank -8 = Unknown -7 = Not applicable 1 = Yes 2 = No
18	1	37	[NOPAY] No answer to expected source of payment item 0 = At least one source of payment is recorded 1 = All sources of payment are blank
19	1	38	[PAYPRIV] EXPECTED SOURCE(S) OF PAYMENT FOR THIS VISIT: PRIVATE INSURANCE 0 = No 1 = Yes
20	1	39	[PAYMCARE] EXPECTED SOURCE(S) OF PAYMENT FOR THIS VISIT: MEDICARE 0 = No 1 = Yes

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
21	1	40	[PAYMCAID] EXPECTED SOURCE(S) OF PAYMENT FOR THIS VISIT: MEDICAID or CHIP OR OTHER STATE-BASED PROGRAM 0 = No 1 = Yes
22	1	41	[PAYWKCMP] EXPECTED SOURCE(S) OF PAYMENT FOR THIS VISIT: WORKERS' COMPENSATION 0 = No 1 = Yes
23	1	42	[PAYSELF] EXPECTED SOURCE(S) OF PAYMENT FOR THIS VISIT: SELF PAY 0 = No 1 = Yes
24	1	43	[PAYNOCHG] EXPECTED SOURCE(S) OF PAYMENT FOR THIS VISIT: NO CHARGE / CHARITY 0 = No 1 = Yes
25	1	44	[PAYOTH] EXPECTED SOURCE(S) OF PAYMENT FOR THIS VISIT: OTHER 0 = No 1 = Yes
26	1	45	[PAYDK] EXPECTED SOURCE(S) OF PAYMENT FOR THIS VISIT: UNKNOWN 0 = No 1 = Yes
27	2	46-47	[PAYTYPER] RECODED PRIMARY EXPECTED SOURCE OF PAYMENT FOR THIS VISIT (Using this hierarchy of payment categories: Medicare, Medicaid or CHIP, Private Insurance, Worker's Compensation, Self-Pay, No Charge/Charity, Other, Unknown)

NOTE change in hierarchy starting in 2008 relative to previous years. In 2005-2007, dual-eligible Medicare and Medicaid recipients had been grouped under Medicaid; this was changed to Medicare starting in 2008. See page 2 of the 2009 NHAMCS Public Use Data File documentation for more information. Researchers can also create their own hierarchy as desired.

-9 = Blank
-8 = Unknown
1 = Private insurance
2 = Medicare
3 = Medicaid or CHIP or other state-based program
4 = Worker's compensation
5 = Self-pay
6 = No charge/Charity
7 = Other

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
INITIAL VITAL SIGNS			
28	4	48-51	[TEMPF] TEMPERATURE. There is an implied decimal between the third and fourth digits. -9 = Blank 0901-1080 = 90.1 – 108.0 Fahrenheit (reported range)
29	3	52-54	[PULSE] HEART RATE -9 = Blank 0-233 (reported range) 998 = DOP, DOPPLER
30	3	55-57	[RESPR] RESPIRATORY RATE -9 = Blank 0-150 (reported range)
31	3	58-60	[BPSYS] SYSTOLIC BLOOD PRESSURE -9 = Blank 0-287 (reported range)
32	3	61-63	[BPDIAS] DIASTOLIC BLOOD PRESSURE -9 = Blank 0-188 (reported range)
33	3	64-66	[POPCT] PULSE OXIMETRY (percent) -9 = Blank 0-100 (reported range)
34	2	67-68	[IMMEDR] IMMEDIACY WITH WHICH PATIENT SHOULD BE SEEN (Based on PRF Item Triage Level)

NOTE: The collection and processing of this item changed starting in 2009, as described in the 2009 Public Use Data File Documentation. Unlike in 2005-08 when response categories were checkboxes for each level of immediacy, the PRFs for 2009-2013 requested responses using a 1-5 scale. PRF responses were evaluated with reference to responses on the Ambulatory Unit Form, completed during induction, to the question, "How many levels are in this ESA's triage system?" After initial reconciliation between forms was completed, rescaling of responses was conducted. ESAs using 3 or 4 level triage systems had their responses rescaled to fit the 5 level system, such that, for 3-level hospitals, responses of 1, 2, and 3 were recoded to 2, 3, and 4. For ESAs using a 4-level system, responses were recoded from 1-4 to 2-5. The rescaling method was determined in consultation with subject matter experts and based on record analysis. For 2017, rescaling was required for 1.3 percent of records overall, or 1.8 percent of records where triage was conducted.

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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Also, in 2009-2011, missing responses were imputed to levels 1-5 using the method described in Section 1. This is unlike years 2005-08 when “no triage” and “unknown”, checkboxes used on the PRF in those years, were also valid imputation categories. Since 2012, this item is NOT imputed. Because of the difference in collection and processing of this item across the years, data users are advised to use caution when combining data across years.

-9 = Blank
 -8 = Unknown
 0 = 'No triage' reported for this visit but ESA does conduct nursing triage
 1 = Immediate
 2 = Emergent
 3 = Urgent
 4 = Semi-urgent
 5 = Nonurgent
 7 = Visit occurred in ESA that does not conduct nursing triage

35	2	69-70	[PAINSCALE] PAIN SCALE NOTE: This item was collected using checkbox categories of none, mild, moderate, severe and unknown prior to 2009. Since 2009, a numerical 0-10 scale has been used. -9 = Blank -8 = Unknown 0-10
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36	2	71-72	[SEEN72] WAS PATIENT SEEN IN THIS ED WITHIN THE LAST 72 HOURS? NOTE: The wording for this item changed in 2016. From 2012-2015, the question was “Was patient seen in this ED within the last 72 hours and discharged?” Prior to 2012, the item was “Has patient been seen in this ED within the last 72 hours?” -9 = Blank -8 = Unknown 1 = Yes 2 = No
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PATIENT'S REASON(S) FOR VISIT (See page 20 in Section I and Code List in Appendix II.)

37	5	73-77	[RFV1] REASON # 1 -9 = Blank 10050-89990 = 1005.0-8999.0
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38	5	78-82	[RFV2] REASON # 2 -9 = Blank 10050-89990 = 1005.0-8999.0
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39	5	83-87	[RFV3] REASON # 3 -9 = Blank 10050-89990 = 1005.0-8999.0
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ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
40	5	88-92	[RFV4] REASON # 4 -9 = Blank 10050-89990 = 1005.0-8999.0
41	5	93-97	[RFV5] REASON # 5 -9 = Blank 10050-89990 = 1005.0-8999.0
42	2	98-99	[EPISODE] EPISODE OF CARE -9 = Blank -8 = Unknown 1 = Initial visit to this ED 2 = Follow-up visit to this ED
INJURY VARIABLES			
43	2	100-101	[INJURY] IS THIS VISIT RELATED TO AN INJURY/TRAUMA, OVERDOSE/POISONING, OR ADVERSE EFFECT OF MEDICAL/SURGICAL TREATMENT?

This is a summary variable provided for trending with previous years of data, although the format has changed slightly from previous years to better reflect uncertainties and nuances in the injury data. It has been recoded from the INJPOISAD variable below.

This item reflects a broad definition of injury traditionally used in NHAMCS, but some changes were made in 2016 and continued in 2017. It includes visits with any of the following: NCHS Reason for Visit Classification codes in the injury, poisoning, or adverse effects module (50000-59999), diagnosis codes in the 'S' or 'T' chapters of ICD-10-CM, diagnosis codes for complications of medical or surgical care (located throughout the ICD-10-CM; a list of codes is available by contacting AHCSB); and cause of injury codes in the 'V', 'W', 'X' and 'Y' chapters of ICD-10-CM. This definition of injury is used in the INJURY, INJPOISAD, and INTENT variables. It is somewhat narrower than the broad definition used in NHAMCS data in the past. The older definition included other conditions, such as carpal tunnel syndrome, which were outside of the Injury and Poisoning chapter of ICD-9-CM.

-9 = Blank
-8 = Unknown
0 = No
1 = Yes
2 = Questionable injury status (visit was reported as injury related but lacked any of the reason, diagnosis, and cause codes used to define an injury visit)

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
44	2	102-103	<p>[INJPOISAD] IS THIS VISIT RELATED TO AN INJURY/TRAUMA, OVERDOSE/POISONING OR ADVERSE EFFECT OF MEDICAL/ SURGICAL TREATMENT?</p> <p>This variable reflects the injury item format used since 2012. INJPOISAD was created directly from reason for visit, diagnosis, and cause of injury codes first, followed by consideration of unedited data which indicated an injury but where no concrete evidence of injury existed.</p> <p>-9 = Blank -8 = Unknown 1 = Yes, injury/trauma 2 = Yes, overdose/poisoning 3 = Yes, adverse effect of medical/surgical treatment 4 = No, visit is not related to injury/trauma, overdose/poisoning, or adverse effect of medical/surgical treatment 5 = Questionable injury status (visit was reported as injury related but lacked an injury reason for visit, diagnosis, or cause of injury)</p>
45	2	104-105	<p>[INJURY72] Did the injury/trauma, overdose/poisoning, or adverse effect of medical/surgical treatment occur within 72 hours prior to the date and time of this visit?</p> <p>[Note that in 2015, the wording changed to include adverse effects.]</p> <p>-9 = Blank -8 = Unknown -7 = Not applicable 1 = Yes 2 = No</p>
46	2	106-107	<p>[INTENT15] IS THIS INJURY/TRAUMA OR OVERDOSE/POISONING INTENTIONAL OR UNINTENTIONAL?</p> <p>NOTE: The INTENT item in 2014 used different response categories. The item was renamed in 2015 to emphasize these differences.</p> <p>-9 = Blank -8 = Unknown/intent unclear 1 = Intentional 2 = Unintentional 3 = Intent unclear (note that this category from the survey instrument was simply a renaming/replacement of the "Unknown" category used prior to 2012. Responses have been recoded to -8, our standard coding convention for cases where the item is unknown) 4 = Questionable injury status (visit was reported as injury related but lacked an injury reason for visit, diagnosis, or cause of injury)</p>

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
47	2	108-109	<p>[INJURY_ENC] Type of encounter for injury visits This variable was added to give additional detail from the 7th digit of the original ICD-10-CM code. Since the ICD-10-CM codes have been truncated on the public use file, information contained in the 7th digit would otherwise not be available on the public use file.</p> <p>-9 = Not applicable/Blank 1 = Initial encounter 2 = Subsequent encounter 3 = Sequela encounter 4 = Both initial and subsequent encounter codes present 5 = Both Initial and sequela encounter codes present 6 = Both subsequent and sequela encounter codes present 7 = Initial, subsequent, and sequela encounter codes present</p> <p>CAUSE OF INJURY/TRAUMA, OVERDOSE/POISONING OR ADVERSE EFFECT OF MEDICAL/SURGICAL TREATMENT (See page 20 in Section I for explanation of codes.)</p>
48	4	110-113	<p>[CAUSE1] CAUSE #1 (ICD-10-CM, V-YCodes) External cause of injury codes are from the V, W, X, and Y chapters of ICD-10-CM. Only the first 4 digits of each code are provided. There is an implied decimal between the third and fourth digits.</p> <p>-9 = Not applicable/Blank V000-Y000 = V00.0 – Y99.9</p>
49	4	114-117	<p>[CAUSE2] CAUSE #2 (ICD-10-CM, V-Y codes) See CAUSE1.</p>
50	4	118-121	<p>[CAUSE3] CAUSE #3 (ICD-10-CM, V-Y codes) See CAUSE1.</p> <p>PROVIDER'S DIAGNOSIS (See page 20, Section 1 for explanation of coding.)</p>
51	4	122-125	<p>[DIAG1] DIAGNOSIS #1 (ICD-10-CM) There is an implied decimal between the third and fourth digits; for inapplicable or masked fourth digits, a dash is inserted.</p> <p>-9 = Blank (no entry made) A000 – Z998 = A00.0-Z99.8 ZZZ0 = Noncodable, insufficient information for coding, illegible ZZZ1 = Left before being seen; patient walked out; "eloped", left against medical advice (AMA) ZZZ2 = Transferred to another facility; sent to see specialist (discharge order rather than diagnosis) ZZZ3 = Insurance/HMO will not authorize treatment ZZZ4 = Entry of "none," "no diagnosis," "no disease," or "healthy" (this is the only entry) ZZZ5 = Entry of "Not applicable", "Not Available", "NA" or "Blank"</p>

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
52	4	126-129	[DIAG2] DIAGNOSIS # 2 (ICD-10-CM) There is an implied decimal between the third and fourth digits; for inapplicable or masked fourth digits, a dash is inserted. See DIAGNOSIS #1 for details.
53	4	130--133	[DIAG3] DIAGNOSIS # 3 (ICD-10-CM) There is an implied decimal between the third and fourth digits; for inapplicable or masked fourth digits, a dash is inserted. See DIAGNOSIS #1 for details.
54	4	134-137	[DIAG4] DIAGNOSIS # 4 (ICD-10-CM) There is an implied decimal between the third and fourth digits; for inapplicable or masked fourth digits, a dash is inserted. See DIAGNOSIS #1 for details.
55	4	138-141	[DIAG5] DIAGNOSIS # 5 (ICD-10-CM) There is an implied decimal between the third and fourth digits; for inapplicable or masked fourth digits, a dash is inserted. See DIAGNOSIS #1 for details.
PROBABLE, QUESTIONABLE, AND RULE OUT DIAGNOSES			
56	2	142-143	[PRDIAG1] IS DIAGNOSIS #1 PROBABLE, QUESTIONABLE, OR RULE OUT? -7 = Not applicable 0 = No 1 = Yes
57	2	144-145	[PRDIAG2] IS DIAGNOSIS #2 PROBABLE, QUESTIONABLE, OR RULE OUT? -7 = Not applicable 0 = No 1 = Yes
58	2	146-147	[PRDIAG3] IS DIAGNOSIS #3 PROBABLE, QUESTIONABLE, OR RULE OUT? -7 = Not applicable 0 = No 1 = Yes
59	2	148-149	[PRDIAG4] IS DIAGNOSIS #4 PROBABLE, QUESTIONABLE, OR RULE OUT? -7 = Not applicable 0 = No 1 = Yes
60	2	150-151	[PRDIAG5] IS DIAGNOSIS #5 PROBABLE, QUESTIONABLE, OR RULE OUT? -7 = Not applicable 0 = No 1 = Yes

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
DOES PATIENT HAVE:			
0 = No 1 = Yes			
61	1	152	[ETOHAB] Alcohol misuse, abuse, or dependence
62	1	153	[ALZHD] Alzheimer's disease/dementia
63	1	154	[ASTHMA] Asthma
64	1	155	[CANCER] Cancer
65	1	156	[CEBVD] Cerebrovascular disease/history of stroke (CVA) or transient ischemic attack (TIA)
66	1	157	[CKD] Chronic kidney disease (CKD)
67	1	158	[COPD] Chronic obstructive pulmonary disease (COPD)
68	1	159	[CHF] Congestive heart failure
69	1	160	[CAD] Coronary artery disease (CAD), ischemic heart disease (IHD), or history of myocardial infarction (MI)
70	1	161	[DEPRN] Depression
71	1	162	[DIABTYP1] Diabetes mellitus (DM) – Type I
72	1	163	[DIABTYP2] Diabetes mellitus (DM) – Type II
73	1	164	[DIABTYP0] Diabetes mellitus (DM) – Type unspecified
74	1	165	[ESRD] End-stage renal disease (ESRD)
75	1	166	[HPE] History of pulmonary embolism (PE) or deep vein thrombosis (DVT), or venous thromboembolism (VTE)
76	1	167	[EDHIV] HIV infection/AIDS
77	1	168	[HYPLIPID] Hyperlipidemia
78	1	169	[HTN] Hypertension
79	1	170	[OBESITY] Obesity
80	1	171	[OSA] Obstructive sleep apnea (OSA)
81	1	172	[OSTPRISIS] Osteoporosis
82	1	173	[SUBSTAB] Substance abuse or dependence
83	1	174	[NOCHRON] None of the above 0 = No 1 = Yes 2 = Entire item blank including "None" box
84	2	175-176	[TOTCHRON] Total number of chronic conditions -9 = "None" box and all item fields are blank 0-14 (reported range)
85	1	177	[DIAGSCRN] Were diagnostic services ordered or provided at this visit? 0 = No 1 = Yes 2 = Entire item blank, including "None" box

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
DIAGNOSTIC SERVICES			
0 = No, 1 = Yes			
Laboratory tests:			
86	1	178	[ABG] Arterial blood gases (ABG)
87	1	179	[BAC] BAC (blood alcohol concentration)
88	1	180	[BMP] Basic metabolic panel
89	1	181	[BNP] BNP (Brain natriuretic peptide)
90	1	182	[BUNCREAT] Creatinine/Renal function panel
91	1	183	[CARDENZ] Cardiac enzymes
92	1	184	[CBC] CBC (Complete blood count)
93	1	185	[CMP] Comprehensive metabolic panel
94	1	186	[BLOODCX] Culture, blood
95	1	187	[TRTCX] Culture, throat
96	1	188	[URINECX] Culture, urine
97	1	189	[WOUNDCX] Culture, wound
98	1	190	[OTHCX] Culture, other
99	1	191	[DDIMER] D-dimer
100	1	192	[ELECTROL] Electrolytes
101	1	193	[GLUCOSE] Glucose, serum
102	1	194	[LACTATE] Lactate
103	1	195	[LFT] Liver enzymes/Hepatic function panel
104	1	196	[PTTINR] Prothrombin time (PT/PTT/INR)
105	1	197	[OTHERBLD] Other blood test
Other tests:			
106	1	198	[CARDMON] Cardiac monitor
107	1	199	[EKG] EKG/ECG
108	1	200	[HIVTEST] HIV test
109	1	201	[FLUTEST] Influenza test
110	1	202	[PREGTEST] Pregnancy/HCG test
111	1	203	[TOXSCREEN] Toxicology screen
112	1	204	[URINE] Urinalysis (UA) or urine dipstick
113	1	205	[OTHRTEST] Other test/service
Imaging:			
114	1	206	[ANYIMAGE] Any imaging
115	1	207	[XRAY] X-ray
116	1	208	[CATSCAN] CT scan (any)
117	2	209-210	[CTCONTRAST] Was CT Scan ordered/provided with intravenous (IV) contrast? -9 = Blank -8 = Unknown 1 = Yes 2 = No
118	1	211	[CTAB] CT scan – abdomen/pelvis
119	1	212	[CTCHEST] CT scan – chest
120	1	213	[CTHEAD] CT scan - head

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
121	1	214	[CTOTHER] CT scan – other
122	1	215	[CTUNK] CT scan – site not specified
123	1	216	[MRI] MRI
124	2	217-218	[MRICONTRAST] Was MRI ordered/provided with intravenous (IV) contrast (also written as with gadolinium or with gado)? -9 = Blank -8 = Unknown 1 = Yes 2 = No
125	1	219	[ULTRASND] Ultrasound
126	1	220	[OTHIMAGE] Other imaging
127	2	221-222	[TOTDIAG] TOTAL NUMBER OF DIAGNOSTIC SERVICES ORDERED OR PROVIDED -9 = "None" box and all item fields are blank 0-20 (reported range)
128	1	223	[PROC] Were procedures provided at this visit? 0 = No 1 = Yes 2 = Entire item blank, including "None" box PROCEDURES 0 = No, 1 = Yes
129	1	224	[BPAP] BPAP/CPAP
130	1	225	[BLADCATH] Bladder catheter
131	1	226	[CASTSPLINT] Cast, splint, wrap
132	1	227	[CENTLINE] Central line
133	1	228	[CPR] CPR
134	1	229	[ENDOINT] Endotracheal intubation
135	1	230	[INCDRAIN] Incision & drainage (I&D)
136	1	231	[IVFLUIDS] IV fluids
137	1	232	[LUMBAR] Lumbar puncture (LP)
138	1	233	[NEBUTHER] Nebulizer therapy
139	1	234	[PELVIC] Pelvic exam
140	1	235	[SKINADH] Skin adhesives
141	1	236	[SUTURE] Suturing/staples
142	1	237	[OTHPROC] Other procedure
143	2	238-239	[TOTPROC] TOTAL NUMBER OF PROCEDURES PROVIDED -9 = "None" box and all item fields are blank 0-6 (reported range)

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
MEDICATIONS & IMMUNIZATIONS (See page 21 for more information. See Appendix III for codes.)			
144	1	240	[MED] WERE MEDICATIONS OR IMMUNIZATIONS GIVEN AT THIS VISIT OR PRESCRIBED AT ED DISCHARGE? 0 = No 1 = Yes 2 = Entire item blank, including "None" box
145	5	241-245	[MED1] MEDICATION #1 -9 = Blank 00001-99227 = 00001-99227 99980 = Unknown Entry; Other 99999 = Illegible Entry NOTE: Response categories are the same for MED1-MED30.
146	5	246-250	[MED2] MEDICATION #2
147	5	251-255	[MED3] MEDICATION #3
148	5	256-260	[MED4] MEDICATION #4
149	5	261-265	[MED5] MEDICATION #5
150	5	266-270	[MED6] MEDICATION #6
151	5	271-275	[MED7] MEDICATION #7
152	5	276-280	[MED8] MEDICATION #8
153	5	281-285	[MED9] MEDICATION #9
154	5	286-290	[MED10] MEDICATION #10
155	5	291-295	[MED11] MEDICATION #11
156	5	296-300	[MED12] MEDICATION #12
157	5	301-305	[MED13] MEDICATION #13
158	5	306-310	[MED14] MEDICATION #14
159	5	311-315	[MED15] MEDICATION #15
160	5	316-320	[MED16] MEDICATION #16
161	5	321-325	[MED17] MEDICATION #17
162	5	326-330	[MED18] MEDICATION #18
163	5	331-335	[MED19] MEDICATION #19
164	5	336-340	[MED20] MEDICATION #20
165	5	341-345	[MED21] MEDICATION #21
166	5	346-350	[MED22] MEDICATION #22
167	5	351-355	[MED23] MEDICATION #23
168	5	356-360	[MED24] MEDICATION #24
169	5	361-365	[MED25] MEDICATION #25
170	5	366-370	[MED26] MEDICATION #26
171	5	371-375	[MED27] MEDICATION #27
172	5	376-380	[MED28] MEDICATION #28
173	5	381-385	[MED29] MEDICATION #29
174	5	386-390	[MED30] MEDICATION #30
175	2	391-392	[GPMED1] Was medication #1 given in ED or Rx at discharge? -9 = Blank -7 = Not applicable 1 = Given in ED 2 = Rx at discharge 3 = Both given and Rx marked

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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NOTE: Response categories are the same for GP MED1-GP MED30.

176	2	393-394	[GP MED2] Was medication #2 given in ED or Rx at discharge?
177	2	395-396	[GP MED3] Was medication #3 given in ED or Rx at discharge?
178	2	397-398	[GP MED4] Was medication #4 given in ED or Rx at discharge?
179	2	399-400	[GP MED5] Was medication #5 given in ED or Rx at discharge?
180	2	401-402	[GP MED6] Was medication #6 given in ED or Rx at discharge?
181	2	403-404	[GP MED7] Was medication #7 given in ED or Rx at discharge?
182	2	405-406	[GP MED8] Was medication #8 given in ED or Rx at discharge?
183	2	407-408	[GP MED9] Was medication #9 given in ED or Rx at discharge?
184	2	409-410	[GP MED10] Was medication #10 given in ED or Rx at discharge?
185	2	411-412	[GP MED11] Was medication #11 given in ED or Rx at discharge?
186	2	413-414	[GP MED12] Was medication #12 given in ED or Rx at discharge?
187	2	415-416	[GP MED13] Was medication #13 given in ED or Rx at discharge?
188	2	417-418	[GP MED14] Was medication #14 given in ED or Rx at discharge?
189	2	419-420	[GP MED15] Was medication #15 given in ED or Rx at discharge?
190	2	421-422	[GP MED16] Was medication #16 given in ED or Rx at discharge?
191	2	423-424	[GP MED17] Was medication #17 given in ED or Rx at discharge?
192	2	425-426	[GP MED18] Was medication #18 given in ED or Rx at discharge?
193	2	427-428	[GP MED19] Was medication #19 given in ED or Rx at discharge?
194	2	429-430	[GP MED20] Was medication #20 given in ED or Rx at discharge?
195	2	431-432	[GP MED21] Was medication #21 given in ED or Rx at discharge?
196	2	433-434	[GP MED22] Was medication #22 given in ED or Rx at discharge?
197	2	435-436	[GP MED23] Was medication #23 given in ED or Rx at discharge?
198	2	437-438	[GP MED24] Was medication #24 given in ED or Rx at discharge?
199	2	439-440	[GP MED25] Was medication #25 given in ED or Rx at discharge?
200	2	441-442	[GP MED26] Was medication #26 given in ED or Rx at discharge?
201	2	443-444	[GP MED27] Was medication #27 given in ED or Rx at discharge?
202	2	445-446	[GP MED28] Was medication #28 given in ED or Rx at discharge?
203	2	447-448	[GP MED29] Was medication #29 given in ED or Rx at discharge?
204	2	449-450	[GP MED30] Was medication #30 given in ED or Rx at discharge?

205	2	451-452	[NUMGIV] NUMBER OF MEDICATIONS GIVEN IN ED 0 – 30
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NOTE: For this variable, the value '0' can reflect the following situations: a) no drug listed; b) drug listed but only

Rx at discharge; and c) drug listed but unknown whether given in ED or Rx at discharge.

206	2	453-454	[NUMDIS] NUMBER OF MEDICATIONS PRESCRIBED AT DISCHARGE 0 - 30
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NOTE: For this variable, the value '0' can reflect the following situations: a) no drug listed; b) drug listed but only given in ED; and c) drug listed but unknown whether given in ED or prescribed at discharge.

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
207	2	455-456	[NUMMED] NUMBER OF MEDICATIONS CODED 0 – 30 VITALS TAKEN AFTER TRIAGE NOTE: The wording of these vital signs items changed in 2016. See page 3 of the 2016 NHAMCS ED Public Use File documentation for details.
208	2	457-458	[VITALSD] Does the chart contain vital signs taken after triage? -9= Blank 1 = Yes 2 = No
209	4	459-462	[TEMPDF] Vitals taken after triage: Temperature in Fahrenheit -9= Blank 881-1042 = 88.1 - 104.2 Fahrenheit (reported range)
210	3	463-465	[PULSED] Vitals taken after triage: Heart rate (beats per minute) -9 = Blank 0-186 (reported range) 998 = DOP, DOPPLER
211	3	466-468	[RESPRD] Vitals taken after triage: Respiratory rate (breaths per minute) -9 = Blank 0-123 (reported range)
212	3	469-471	[BPSYSD] Vitals taken after triage: Systolic blood pressure -9 = Blank 62-255 (reported range)
213	3	472-474	[BPDIASD] Vitals taken after triage: Diastolic blood pressure -9 = Blank 22-141 (reported range) PROVIDERS SEEN 0 = No, 1 = Yes
214	1	475	[NOPROVID] No answer to item
215	1	476	[ATTPHYS] ED attending physician
216	1	477	[RESINT] ED resident/intern
217	1	478	[CONSULT] Consulting physician
218	1	479	[RNLPN] RN/LPN
219	1	480	[NURSEPR] Nurse practitioner
220	1	481	[PHYSASST] Physician assistant
221	1	482	[EMT] EMT
222	1	483	[MHPROV] Other mental health provider
223	1	484	[OTHPROV] Other provider

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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VISIT DISPOSITION

0 = No, 1 = Yes

224	1	485	[NODISP] No answer to item
225	1	486	[NOFU] No follow-up planned
226	1	487	[RETRNED] Return to ED
227	1	488	[RETREFFU] Return/Refer to physician/clinic for FU
228	1	489	[LWBS] Left without being seen (LWBS)
229	1	490	[LBTC] Left before treatment complete (LBTC)
230	1	491	[LEFTAMA] Left against medical advice (AMA)
231	1	492	[DOA] Dead on arrival (DOA)
232	1	493	[DIEDED] Died in ED
233	1	494	[TRANNH] Return/transfer to nursing home
234	1	495	[TRANPSYC] Transfer to psychiatric hospital
235	1	496	[TRANOTH] Transfer to non-psychiatric hospital
236	1	497	[ADMITHOS] Admit to this hospital
237	1	498	[OBSSHOS] Admit to observation unit, then hospitalized
238	1	499	[OBSDIS] Admit to observation unit, then discharged
239	1	500	[OTHDISP] Other visit disposition

The next 4 items were completed only if the patient was admitted to the hospital at the current visit.

240	2	501-502	[ADMIT] Admitted to: NOTE: The order of categories 4 and 5 was switched on the Patient Record Form starting in 2009 relative to 2007-08. Please take note if combining data across years. -9 = Blank -8 = Data not available (Unknown) -7 = Not applicable (not admitted to hospital) 1 = Critical care unit 2 = Stepdown unit 3 = Operating room 4 = Mental health or detox unit 5 = Cardiac catheterization lab 6 = Other bed/unit
241	2	503-504	[ADMTPHYS] Admitting physician -9 = Blank -7 = Not applicable (not admitted to hospital) 1 = Hospitalist 2 = Not hospitalist 3 = Unknown
242	4	505-506	[BLANK2] PLACEHOLDER FOR [LOS] Length of stay in hospital (days) Calculated from the ED discharge date and the hospital discharge date. Not released due to data quality issues. -9 = Missing data

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
243	4	507-510	[HDDIAG1] HOSPITAL DISCHARGE DIAGNOSIS #1 (ICD-10-CM) There is an implied decimal between the third and fourth digits; for inapplicable or masked fourth digits, a dash is inserted. -9 = Blank -7 = Not applicable (not admitted to hospital) A000-Z998 = A00.0-Z99.8 ZZZ0 = Noncodable, insufficient information for coding, illegible ZZZ1 = Left before being seen; patient walked out; "eloped", left against medical advice (AMA) ZZZ2 = Transferred to another facility; sent to see specialist (discharge order rather than diagnosis) ZZZ3 = Insurance/HMO will not authorize treatment ZZZ4 = Entry of "none," "no diagnosis," "no disease," or "healthy" (this is the only entry) ZZZ5 = Entry of "Not applicable", "Not Available", "NA" or "Blank" NOTE: Response categories are the same for HDDIAG1 – HDDIAG5.
244	4	511-514	[HDDIAG2] HOSPITAL DISCHARGE DIAGNOSIS #2 (ICD-10-CM)
245	4	515-518	[HDDIAG3] HOSPITAL DISCHARGE DIAGNOSIS #3 (ICD-10-CM)
246	4	519-522	[HDDIAG4] HOSPITAL DISCHARGE DIAGNOSIS #4 (ICD-10-CM)
247	4	523-526	[HDDIAG5] HOSPITAL DISCHARGE DIAGNOSIS #5 (ICD-10-CM)
248	2	527-528	[HDSTAT] Hospital discharge status -9 = Blank -8 = Data not available (Unknown) -7 = Not applicable (not admitted to hospital) 1 = Alive 2 = Dead
249	2	529-530	[ADISP] Disposition of live discharges -9 = Blank -8 = Data not available (Unknown) -7 = Not applicable (not admitted/admitted, but not a live discharge) 1 = Home/Residence 2 = Return/Transfer to nursing home 3 = Transfer to another facility (not usual place of residence) 4 = Other
250	4	531-534	[BLANK3] PLACEHOLDER FOR [OBSSTAY] Length of stay in observation unit (minutes) (for those patients who were admitted to observation unit and then discharged) Calculated from date and time patient was discharged from the ED and date and time of observation unit discharge. Not released due to data quality issues. -9 = Missing data
251	1	535	[BLANK4] PLACEHOLDER FOR [STAY24] ED discharge greater than 24 hours Not released due to data quality issues. -9 = Missing data

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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**** THE FOLLOWING FIELDS SHOW WHETHER DATA WERE IMPUTED TO REPLACE BLANKS ****

252	2	536-537	[AGEFL] Was patient age imputed, calculated or reported? -9 = Age derived by NCHS based on imputed birth date 0 = Age calculated by NCHS based on reported birth date 1 = Age reported in survey instrument without birth date
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IMPUTED FIELDS

0 = Not imputed

1 = Imputed

253	1	538	[BDATEFL] Was patient birth date imputed?
254	1	539	[SEXFL] Was patient sex imputed?
255	1	540	[ETHNICFL] Was patient ethnicity imputed?
256	1	541	[RACERFL] Was patient race imputed?

***** END OF IMPUTED DATA FIELDS *****

257	3	542-544	[HOSPCODE] HOSPITAL CODE A unique code assigned to all the records from a particular hospital. For a number of hospitals, additional masking was required to minimize risks of disclosure. For this reason, the number of hospital codes is different than the number of responding facilities. 1-203
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258	3	545-547	[PATCODE] PATIENT CODE - A number assigned to identify each individual record from a particular hospital. 1-213
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259	2	548-549	[EBILLANYE] DOES YOUR ED SUBMIT CLAIMS ELECTRONICALLY (ELECTRONIC BILLING)? -9 = Blank -8 = Unknown -6 = Refused to answer 1 = Yes 2 = No
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260	2	550-551	[EMRED] DOES YOUR ED USE AN ELECTRONIC HEALTH RECORD (EHR) SYSTEM? (DO NOT INCLUDE BILLING SYSTEMS.) -9 = Blank -8 = Unknown 1 = Yes, all electronic 2 = Yes, part paper and part electronic 3 = No
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ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
			NOTE: If response of '1' or '2' to EMRED, the next 3 questions were asked.
261	2	552-553	[HHSMUE] DOES YOUR CURRENT SYSTEM MEET MEANINGFUL USE CRITERIA AS DEFINED BY THE DEPARTMENT OF HEALTH AND HUMAN SERVICES? -9 = Blank -8 = Unknown -7 = Not applicable (EMRED=3 or -8) -6 = Refused to answer 1 = Yes 2 = No
262	2	554-555	[EHRINSE] DOES YOUR ED HAVE PLANS FOR INSTALLING A NEW EHR/EMR SYSTEM WITHIN THE NEXT 18 MONTHS? -9 = Blank -8 = Unknown -6 = Refused to answer 1 = Yes 2 = No 3 = Maybe

IMPORTANT NOTE: Questions on features of a hospital's computerized capabilities have changed over the years. The instrument format used in 2016 and 2017 is the same, but both are slightly different than what was used in 2015 and previous years. The current format is essentially similar to the recoded "R" variables used in 2010-2015. For example, EDEMOGE reflected the actual instrument format and EDEMOGER was a recoding of that format to match years 2010-2015 for trending purpose. The categories used with the recoded "R" variables were 1=Yes, 2=No, and 4=Yes, but turned off/not used. The 'Turned off/not used' category was dropped for 2016, so the only response options are yes and no. The "R" variable name was retained because the response categories are similar to those from 2010-2015 and they now reflect the actual instrument format as well. Please take note of these differences if using data from multiple years.

			PLEASE INDICATE WHETHER YOUR ED HAS EACH OF THE FOLLOWING COMPUTERIZED CAPABILITIES AND HOW OFTEN THESE CAPABILITIES ARE USED (APPLIES TO ITEMS 263-282)
263	2	556-557	[EDEMOGER] REPORTING PATIENT HISTORY AND DEMOGRAPHIC INFORMATION -9 = Blank -8 = Unknown -6 = Refused to answer 1 = Yes 2 = No

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
264	2	558-559	[EPROLSTER] IF YES TO RECORDING PATIENT HISTORY AND DEMOGRAPHIC INFORMATION, DOES THIS INCLUDE A PATIENT PROBLEM LIST? -9 = Blank -8 = Unknown -6 = Refused to answer -7 = Not applicable 1 = Yes 2 = No
265	2	560-561	[EPNOTESER] RECORDING CLINICAL NOTES -9 = Blank -8 = Unknown -6 = Refused to answer 1 = Yes 2 = No NOTE: The following 4 items use the same response categories as EPNOTESER.
266	2	562-563	[EMEDALGER] RECORDING PATIENT'S MEDICATIONS AND ALLERGIES?
267	2	564-565	[EMEDIDER] RECONCILING LISTS OF PATIENTS' MEDICATIONS
268	2	566-567	[EREMINDER] REMINDERS FOR GUIDELINE-BASED INTERVENTIONS AND/OR SCREENING TESTS
269	2	568-569	[ECPOEER] ORDERS FOR PRESCRIPTIONS
270	2	570-571	[ESCRIPER] IF YES TO ORDERING PRESCRIPTIONS, ARE PRESCRIPTIONS SENT ELECTRONICALLY TO THE PHARMACY? -9 = Blank -8 = Unknown -7 = Not applicable -6 = Refused to answer 1 = Yes 2 = No
271	2	572-573	[EWARNER] IF YES TO ORDERING PRESCRIPTIONS, ARE WARNINGS OF DRUG INTERACTIONS OR CONTRAINDICATIONS PROVIDED? (recoded for trending) Same response categories as ESCRIPER.

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
272	2	574-575	[ECONTR] DO YOU PRESCRIBE CONTROLLED SUBSTANCES? -9 = Blank -8 = Unknown -6 = Refused to answer 1 = Yes 2 = No
273	2	576-577	[ECONTSCRIPR] IF YES TO PRESCRIBING CONTROLLED SUBSTANCES, ARE PRESCRIPTIONS FOR CONTROLLED SUBSTANCES SENT ELECTRONICALLY TO THE PHARMACY? -9 = Blank -8 = Unknown -7 = Not applicable -6 = Refused to answer 1 = Yes 2 = No
274	2	578-579	[ECTOEEER] ORDERING LAB TESTS -9 = Blank -8 = Unknown -6 = Refused to answer 1 = Yes 2 = No The following 9 items use the same response categories as ECTOEEER.
275	2	580-581	[ERESULTER] VIEWING LAB RESULTS
276	2	582-583	[ERADIER] ORDERING RADIOLOGY TESTS
277	2	584-585	[EIMGRESER] VIEWING IMAGING RESULTS
278	2	586-587	[EPTEDUER] VIEWING IDENTIFYING EDUCATIONAL RESOURCES FOR PATIENTS' SPECIFIC CONDITIONS
279	2	588-589	[EGENLISTER] GENERATING LIST OF PATIENTS WITH
280	2	590-591	[EDATAREPER] PROVIDING DATA TO CREATE REPORTS ON CLINICAL CARE MEASURES FOR PATIENTS WITH SPECIFIC CONDITIONS (e.g., HbA1C for diabetics)
281	2	592-593	[ESUMER] PROVIDING PATIENTS WITH CLINICAL SUMMARIES FOR EACH VISIT
282	2	594-595	[EMSGER] EXCHANGING SECURE MESSAGES WITH PATIENTS
283	2	596-597	[ESHAREE] DOES YOUR HOSPITAL SHARE ANY PATIENT HEALTH INFORMATION ELECTRONICALLY?

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
284	2	598-599	<p>[ESHARESE] IF YES TO DOES YOUR HOSPITAL SHARE ANY PATIENT HEALTH INFORMATION ELECTRONICALLY, DO YOU ELECTRONICALLY SEND PATIENT HEALTH INFORMATION TO ANOTHER PROVIDER WHOSE EHR SYSTEM IS DIFFERENT FROM YOUR OWN?</p> <p>-9 = Blank -8 = Unknown -7 = Not applicable -6 = Refused to answer 1 = Yes 2 = No</p>
285	2	600-601	<p>[ESHARERE] IF YES TO DOES YOUR HOSPITAL SHARE ANY PATIENT HEALTH INFORMATION ELECTRONICALLY, DO YOU ELECTRONICALLY RECEIVE PATIENT HEALTH INFORMATION FROM ANOTHER PROVIDER WHOSE EHR SYSTEM IS DIFFERENT FROM YOUR OWN?</p> <p>Same response categories as ESHARESE.</p> <p>DO YOU ELECTRONICALLY SEND OR RECEIVE HOSPITAL DISCHARGE SUMMARIES TO OR FROM PROVIDERS OUTSIDE OF YOUR MEDICAL ORGANIZATION? (Mark all that apply.)</p> <p>NOTE: Response categories are the same for all items from EDISCHSRE1 – PTONLINEEE6:</p> <p>-9 = Entire item is blank 0 = Box is not marked 1 = Yes</p>
286	2	602-603	[EDISCHSRE1] SEND ELECTRONICALLY
287	2	604-605	[EDISCHSRE2] RECEIVE ELECTRONICALLY
288	2	606-607	[EDISCHSRE3] DO NOT SEND ELECTRONICALLY
			<p>DO YOU ELECTRONICALLY SEND OR RECEIVE DEPT. NOTIFICATIONS TO OR FROM PROVIDERS OUTSIDE OF YOUR MEDICAL ORGANIZATION? (Mark all that apply.)</p>
289	2	608-609	[EEDSRE1] SEND ELECTRONICALLY
290	2	610-611	[EEDSRE2] RECEIVE ELECTRONICALLY
291	2	612-613	[EEDSRE3] DO NOT SEND ELECTRONICALLY

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
			DO YOU ELECTRONICALLY SEND OR RECEIVE SUMMARY OF CARE RECORDS FOR TRANSITIONS OF CARE OR REFERRALS TO AND FROM PROVIDERS OUTSIDE OF YOUR MEDICAL ORGANIZATION? (Mark all that apply.)
292	2	614-615	[ESUMCSRE1] SEND ELECTRONICALLY
293	2	616-617	[ESUMCSRE2] RECEIVE ELECTRONICALLY
294	2	618-619	[ESUMCSRE3] DO NOT SEND ELECTRONICALLY
			CAN PATIENTS SEEN AT THE REPORTING LOCATION DO THE FOLLOWING ONLINE ACTIVITIES? <i>Mark all that apply</i>
295	2	620-621	[PTONLINEE1] VIEW THEIR MEDICAL RECORDS ONLINE
296	2	622-623	[PTONLINEE2] DOWNLOAD AND TRANSMIT HEALTH INFORMATION FROM THE ELECTRONIC MEDICAL RECORD TO THEIR PERSONAL FILES
297	2	624-625	[PTONLINEE3] REQUEST CORRECTIONS TO THEIR ELECTRONIC MEDICAL RECORD
298	2	626-627	[PTONLINEE4] ENTER THEIR HEALTH INFORMATION ONLINE (E.G., WEIGHT, SYMPTOMS)
299	2	628-629	[PTONLINEE5] UPLOAD THEIR DATA FROM SELF-MONITORING DEVICES (E.G., BLOOD GLUCOSE READINGS)
300	2	630-631	[PTONLINEE6] NONE OF THE ABOVE
301	2	632-633	[EDPRIM] WHEN PATIENTS WITH IDENTIFIED PRIMARY CARE PHYSICIANS (PCP) ARRIVE AT THE ED, HOW OFTEN DO YOU ELECTRONICALLY SEND NOTIFICATIONS TO THE PATIENTS' PCP? -9 = Blank -8 = Unknown -7 = Not applicable -6 = Refused to answer 1 = Always 2 = Sometimes 3 = Rarely 4 = Never
302	2	634-635	[EDINFO] WHEN PATIENTS ARRIVE AT THE ED, ARE YOU ABLE TO QUERY FOR PATIENTS' HEALTHCARE INFORMATION ELECTRONICALLY (E.G., MEDICATIONS, ALLERGIES) FROM OUTSIDE SOURCES? -9 = Blank -8 = Unknown 1 = Yes 2 = No

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
303	2	636-637	<p>[OBSCLIN] DOES YOUR ED HAVE AN OBSERVATION OR CLINICAL DECISION UNIT?</p> <p>Note that there were related items in 2009 and 2010 called OBSUNIT, OBSED, and OBSDEC. Starting in 2013, OBSCLIN and OBSSEP replaced the OBSUNITS item from 2012.</p> <p>-9 = Blank -8 = Unknown 1 = Yes 2 = No</p>
304	2	638-639	<p>[OBSSEP] IF YES TO DOES YOUR ED HAVE AN OBSERVATION OR CLINICAL DECISION UNIT, IS THIS OBSERVATION OR CLINICAL DECISION UNIT SEPARATE FROM THE ED?</p> <p>-9 = Blank -8 = Unknown -7 = Not applicable 1 = Yes 2 = No</p> <p>IF YOUR ED HAS A PHYSICALLY SEPARATE OBSERVATION OR CLINICAL DECISION UNIT, WHAT TYPE OF PHYSICIAN MAKES DECISIONS FOR PATIENTS IN THIS OBSERVATION UNIT?</p> <p>These response categories are used with the next 4 items:</p> <p>-7 = Not applicable 0 = Box is not marked 1 = Box is marked</p>
305	2	640-641	[OBSPHYSED] ED physicians
306	2	642-643	[OBSSHOSP] Hospitalists
307	2	644-645	[OBSPHYSOT] Other physicians
308	2	646-647	[OBSPHYSUN] Unknown
309	2	648-649	<p>[BOARD] ARE ADMITTED ED PATIENTS EVER "BOARDED" FOR MORE THAN 2 HOURS IN THE ED OR OBSERVATION UNIT WHILE WAITING FOR AN INPATIENT BED?</p> <p>-9 = Blank -8 = Unknown 1 = Yes 2 = No</p>
310	2	650-651	<p>[BOARDHOS] DOES YOUR ED ALLOW SOME ADMITTED PATIENTS TO MOVE FROM THE ED TO INPATIENT CORRIDORS WHILE AWAITING A BED ("BOARDING") – SOMETIMES CALLED "FULL CAPACITY PROTOCOL"?</p> <p>-9 = Blank -8 = Unknown 1 = Yes 2 = No</p>

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
311	2	652-653	[AMBDIV] DID YOUR ED GO ON AMBULANCE DIVERSION IN 2016? -9 = Blank -8 = Unknown 1 = Yes 2 = No
312	2	654-655	[TOTHRDIVR] WHAT IS THE TOTAL NUMBER OF HOURS YOUR HOSPITAL'S ED WAS ON AMBULANCE DIVERSION IN 2016? (Recoded) -9 = Blank -8 = Unknown -7 = Not applicable 2 = 1-99 3 = 100-499 4 = 500 or more 5 = Diversion data not available
313	2	656-657	[REGDIV] IS AMBULANCE DIVERSION ACTIVELY MANAGED ON A REGIONAL LEVEL VERSUS EACH HOSPITAL ADOPTING DIVERSION IF AND WHEN IT CHOOSES? -9 = Blank -8 = Unknown -7 = Not applicable 1 = Yes 2 = No
314	2	658-659	[ADMDIV] DOES YOUR HOSPITAL CONTINUE TO ADMIT ELECTIVE OR SCHEDULED SURGERY CASES WHEN THE ED IS ON AMBULANCE DIVERSION? -9 = Blank -8 = Unknown -7 = Not applicable 1 = Yes 2 = No
315	2	660-661	[INCSHX] IN THE LAST TWO YEARS, DID YOUR ED INCREASE THE NUMBER OF STANDARD TREATMENT SPACES? -9 = Blank -8 = Unknown 1 = Yes 2 = No
316	2	662-663	[INCPHYS] IN THE LAST TWO YEARS, DID YOUR ED'S PHYSICAL SPACE EXPAND? -9 = Blank -8 = Unknown 1 = Yes 2 = No

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
317	2	664-665	[EXPSPACE] DO YOU HAVE PLANS TO EXPAND YOUR ED'S PHYSICAL SPACE WITHIN THE NEXT TWO YEARS? -9 = Blank -8 = Unknown 1 = Yes 2 = No DOES YOUR ED USE: (Note change in item format since 2009.) -9 = Blank -8 = Unknown 1 = Yes 2 = No
318	2	666-667	[BEDREG] Bedside registration
319	2	668-669	[KIOSELCHK] Kiosk self check-in
320	2	670-671	[CATRIAGE] Computer-assisted triage
321	2	672-673	[IMBED] Immediate bedding (no triage when ED is not at capacity)
322	2	674-675	[ADVTRIAG] Advanced triage (triage-based care) protocols
323	2	676-677	[PHYSRACTRIA] Physician/practitioner at triage
324	2	678-679	[FASTTRAK] Separate fast track unit for non-urgent care
325	2	680-681	[EDPTOR] Separate operating room dedicated to ED patients
326	2	682-683	[DASHBORD] Electronic dashboard (i.e., displays updated patient information and integrates multiple data sources)
327	2	684-685	[RFID] Radio frequency identification (RFID) tracking (i.e., shows exact location of patients, caregivers, and equipment)
328	2	686-687	[WIRELESS] Wireless communication devices by providers
329	2	688-689	[ZONENURS] Zone nursing (i.e., all of a nurse's patients are located in one area)
330	2	690-691	[POOLNURS] "Pool" nurses (i.e., nurses that can be pulled to the ED to respond to surges in demand)
331	2	692-693	[SURGDAY]HOW MANY DAYS IN A WEEK ARE INPATIENT ELECTIVE SURGERIES SCHEDULED? -9 = Blank -8 = Unknown 0-7
332	2	694-695	[BEDCZAR] DOES YOUR HOSPITAL HAVE A BED COORDINATOR, SOMETIMES REFERRED TO AS A BED CZAR? -9 = Blank -8 = Unknown 1 = Yes 2 = No

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
333	2	696-697	[BEDDATA] HOW OFTEN ARE HOSPITAL BED CENSUS DATA AVAILABLE? -9 = Blank -8 = Unknown 1 = Instantaneously 2 = Every 4 hours 3 = Every 8 hours 4 = Every 12 hours 5 = Every 24 hours 6 = Other
334	2	698-699	[HLIST] DOES YOUR HOSPITAL HAVE HOSPITALISTS ON STAFF? -9 = Blank -8 = Unknown 1 = Yes 2 = No
335	2	700-701	[HLISTED] DO THE HOSPITALISTS ON STAFF AT YOUR HOSPITAL ADMIT PATIENTS FROM YOUR ED? -9 = Blank -8 = Unknown -7 = Not applicable 1 = Yes 2 = No
336	2	702-703	[EMEDRES] DOES YOUR HOSPITAL HAVE AN EMERGENCY MEDICINE RESIDENCY PROGRAM? -9 = Blank -8 = Unknown 1 = Yes 2 = No
337	1	704	[REGION] GEOGRAPHIC REGION (Based on actual location of the hospital.) 1 = Northeast 2 = Midwest 3 = South 4 = West
338	1	705	[MSA] METROPOLITAN STATISTICAL AREA STATUS (Based on actual location of the hospital in conjunction with the definition of the Bureau of the Census and the U.S. Office of Management and Budget.) 1 = MSA (Metropolitan Statistical Area) 2 = Non-MSA (includes micropolitan statistical areas)

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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DRUG-RELATED INFO FOR MEDICATION #1

NOTE: All drug codes based on entry name (using NCHS' standard classification system) are also assigned a unique generic drug code from Multum's Lexicon Drug Database, where possible. The structure of the Multum database is such that multiple ingredient drugs are assigned a single generic drug code encompassing all of a drug's ingredients rather than being assigned generic drug codes for each ingredient, as in NHAMCS data prior to 2006. All Multum codes start with the letter "d" but there were some drugs reported in NHAMCS that could not be assigned a code in Multum. These received a prefix of either "a" (when ingredients could be determined) or "c" (when ingredients could not be determined). Beginning with 2008, the use of "a" and "c" codes was replaced with "n" codes. For more on the structure of the drug data (including information on therapeutic class and drug ingredients, please see page 21.

339	6	706-711	[DRUGID1] DRUG ID (See p. 109 for more information.) a07001-a92507 = NCHS code (for drugs not found in Multum but for which ingredients could be determined) c00001-c00898, c00900-c92511 = NCHS code (for drugs not found in Multum and with undetermined ingredients) d00001-d08369 = Multum code n00001-n16015 = NCHS code (for drugs not found in Multum that were added to the database beginning with survey year 2008)
340	1	712	[PRESCR1] PRESCRIPTION STATUS CODE 1 = Prescription Drug 4 = Illicit (no longer used in NHAMCS) 2 = Nonprescription Drug 5 = Both Prescription and 3 = Undetermined Over-the-Counter
341	1	713	[CONTSUB1] CONTROLLED SUBSTANCE STATUS CODE 1 = Schedule I (Research Only) 2 = Schedule II 5 = Schedule V 8 = Multiple Schedules 3 = Schedule III 6 = No Control 4 = Schedule IV 7 = Undetermined
342	1	714	[COMSTAT1] COMPOSITION STATUS CODE 1 = Single Entity Drug 2 = Combination Drug 3 = Undetermined
343	3	715-717	[RX1CAT1] MULTUM DRUG CATEGORY # 1

Reflects the most detailed therapeutic level to which the drug can be classified. For some drugs, Multum Level 1 (broadest level) is the most detailed, while others can be coded to Level 2, but the majority can be coded to Level 3 (most detailed level). For more on the Multum classification system, please see page 21. The complete Multum classification is shown in Appendix III.

" " = Blank/Not applicable
001 - 899 = Drug category
999 = Undetermined category

344	3	718-720	[RX1CAT2] MULTUM DRUG CATEGORY # 2 See RX1CAT1.
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ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
345	3	721-723	[RX1CAT3] MULTUM DRUG CATEGORY # 3 See RX1CAT1.
346	3	724-726	[RX1CAT4] MULTUM DRUG CATEGORY # 4 See RX1CAT1.
DRUG CATEGORY LEVELS			
See RX1CAT1 for general coding conventions that apply to all Multum drug categories. Complete Multum classification scheme is shown in Appendix III.			
347	3	727-729	[RX1V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
348	3	730-732	[RX1V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
349	3	733-735	[RX1V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
350	3	736-738	[RX1V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
351	3	739-741	[RX1V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
352	3	742-744	[RX1V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
353	3	745-747	[RX1V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
354	3	748-750	[RX1V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
355	3	751-753	[RX1V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
356	3	754-756	[RX1V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
357	3	757-759	[RX1V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
358	3	760-762	[RX1V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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DRUG-RELATED INFO FOR MEDICATION #2

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

359	6	763-768	[DRUGID2] Drug ID
360	1	769	[PRESCR2] PRESCRIPTION STATUS CODE
361	1	770	[CONTSUB2] CONTROLLED SUBSTANCE STATUS CODE
362	1	771	[COMSTAT2] COMPOSITION STATUS CODE
363	3	772-774	[RX2CAT1] MULTUM DRUG CATEGORY # 1
364	3	775-777	[RX2CAT2] MULTUM DRUG CATEGORY # 2 See RX2CAT1.
365	3	778-780	[RX2CAT3] MULTUM DRUG CATEGORY # 3 See RX2CAT1.
366	3	781-783	[RX2CAT4] MULTUM DRUG CATEGORY # 4 See RX2CAT1.

DRUG CATEGORY LEVELS

367	3	784-786	[RX2V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
368	3	787-789	[RX2V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
369	3	790-792	[RX2V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
370	3	793-795	[RX2V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
371	3	796-798	[RX2V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
372	3	799-801	[RX2V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
373	3	802-804	[RX2V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
374	3	805-807	[RX2V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
375	3	808-810	[RX2V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
376	3	811-813	[RX2V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
377	3	814-816	[RX2V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
378	3	817-819	[RX2V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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DRUG-RELATED INFO FOR MEDICATION #3

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

379	6	820-825	[DRUGID3] Drug ID
380	1	826	[PRESCR3] PRESCRIPTION STATUS CODE
381	1	827	[CONTSUB3] CONTROLLED SUBSTANCE STATUS CODE
382	1	828	[COMSTAT3] COMPOSITION STATUS CODE
383	3	829-831	[RX3CAT1] MULTUM DRUG CATEGORY # 1
384	3	832-834	[RX3CAT2] MULTUM DRUG CATEGORY # 2 See RX3CAT1.
385	3	835-837	[RX3CAT3] MULTUM DRUG CATEGORY # 3 See RX3CAT1.
386	3	838-840	[RX3CAT4] MULTUM DRUG CATEGORY # 4 See RX3CAT1.

DRUG CATEGORY LEVELS

387	3	841-843	[RX3V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
388	3	844-846	[RX3V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
389	3	847-849	[RX3V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
390	3	850-852	[RX3V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
391	3	853-855	[RX3V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
392	3	856-858	[RX3V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
393	3	859-861	[RX3V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
394	3	862-864	[RX3V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
395	3	865-867	[RX3V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
396	3	868-870	[RX3V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
397	3	871-873	[RX3V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
398	3	874-876	[RX3V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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DRUG-RELATED INFO FOR MEDICATION #4

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

399	6	877-882	[DRUGID4] Drug ID
400	1	883	[PRESCR4] PRESCRIPTION STATUS CODE
401	1	884	[CONTSUB4] CONTROLLED SUBSTANCE STATUS CODE
402	1	885	[COMSTAT4] COMPOSITION STATUS CODE
403	3	886-888	[RX4CAT1] MULTUM DRUG CATEGORY # 1
404	3	889-891	[RX4CAT2] MULTUM DRUG CATEGORY # 2 See RX4CAT1.
405	3	892-894	[RX4CAT3] MULTUM DRUG CATEGORY # 3 See RX4CAT1.
406	3	895-897	[RX4CAT4] MULTUM DRUG CATEGORY # 4 See RX4CAT1.

DRUG CATEGORY LEVELS

407	3	898-900	[RX4V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
408	3	901-903	[RX4V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
409	3	904-906	[RX4V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
410	3	907-909	[RX4V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
411	3	910-912	[RX4V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
412	3	913-915	[RX4V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
413	3	916-918	[RX4V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
414	3	919-921	[RX4V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
415	3	922-924	[RX4V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
416	3	925-927	[RX4V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
417	3	928-930	[RX4V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
418	3	931-933	[RX4V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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DRUG-RELATED INFO FOR MEDICATION #5

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

419	6	934-939	[DRUGID5] Drug ID
420	1	940	[PRESCR5] PRESCRIPTION STATUS CODE
421	1	941	[CONTSUB5] CONTROLLED SUBSTANCE STATUS CODE
422	1	942	[COMSTAT5] COMPOSITION STATUS CODE
423	3	943-945	[RX5CAT1] MULTUM DRUG CATEGORY # 1
424	3	946-948	[RX5CAT2] MULTUM DRUG CATEGORY # 2 See RX3CAT1.
425	3	949-951	[RX5CAT3] MULTUM DRUG CATEGORY # 3 See RX3CAT1.
426	3	952-954	[RX5CAT4] MULTUM DRUG CATEGORY # 4 See RX3CAT1.

DRUG CATEGORY LEVELS

427	3	955-957	[RX5V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
428	3	958-960	[RX5V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
429	3	961-963	[RX5V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
430	3	964-966	[RX5V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
431	3	967-969	[RX5V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
432	3	970-972	[RX5V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
433	3	973-975	[RX5V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
434	3	976-978	[RX5V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
435	3	979-981	[RX5V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
436	3	982-984	[RX5V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
437	3	985-987	[RX5V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
438	3	988-990	[RX5V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #6

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

439	6	991-996	[DRUGID6] Drug ID
440	1	997	[PRESCR6] PRESCRIPTION STATUS CODE
441	1	998	[CONTSUB6] CONTROLLED SUBSTANCE STATUS CODE
442	1	999	[COMSTAT6] COMPOSITION STATUS CODE
443	3	1000-1002	[RX6CAT1] MULTUM DRUG CATEGORY # 1
444	3	1003-1005	[RX6CAT2] MULTUM DRUG CATEGORY # 2 See RX6CAT1.
445	3	1006-1008	[RX6CAT3] MULTUM DRUG CATEGORY # 3 See RX6CAT1.
446	3	1009-1011	[RX6CAT4] MULTUM DRUG CATEGORY # 4 See RX6CAT1.

DRUG CATEGORY LEVELS

447	3	1012-1014	[RX6V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
448	3	1015-1017	[RX6V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
449	3	1018-1020	[RX6V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
450	3	1021-1023	[RX6V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
451	3	1024-1026	[RX6V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
452	3	1027-1029	[RX6V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
453	3	1030-1032	[RX6V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
454	3	1033-1035	[RX6V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
455	3	1036-1038	[RX6V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
456	3	1039-1041	[RX6V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
457	3	1042-1044	[RX6V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
458	3	1045-1047	[RX6V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #7

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

459	6	1048-1053	[DRUGID7] Drug ID
460	1	1054	[PRESCR7] PRESCRIPTION STATUS CODE
461	1	1055	[CONTSUB7] CONTROLLED SUBSTANCE STATUS CODE
462	1	1056	[COMSTAT7] COMPOSITION STATUS CODE
463	3	1057-1059	[RX7CAT1] MULTUM DRUG CATEGORY # 1
464	3	1060-1062	[RX7CAT2] MULTUM DRUG CATEGORY # 2 See RX7CAT1.
465	3	1063-1065	[RX7CAT3] MULTUM DRUG CATEGORY # 3 See RX7CAT1.
466	3	1066-1068	[RX7CAT4] MULTUM DRUG CATEGORY # 4 See RX7CAT1.

DRUG CATEGORY LEVELS

467	3	1069-1071	[RX7V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
468	3	1072-1074	[RX7V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
469	3	1075-1077	[RX7V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
470	3	1078-1080	[RX7V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
471	3	1081-1083	[RX7V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
472	3	1084-1086	[RX7V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
473	3	1087-1089	[RX7V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
474	3	1090-1092	[RX7V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
475	3	1093-1095	[RX7V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
476	3	1096-1098	[RX7V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
477	3	1099-1101	[RX7V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
478	3	1102-1104	[RX7V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #8

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

479	6	1105-1110	[DRUGID8] Drug ID
480	1	1111	[PRESCR8] PRESCRIPTION STATUS CODE
481	1	1112	[CONTSUB8] CONTROLLED SUBSTANCE STATUS CODE
482	1	1113	[COMSTAT8] COMPOSITION STATUS CODE
483	3	1114-1116	[RX8CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
484	3	1117-1119	[RX8CAT2] MULTUM DRUG CATEGORY # 2 See RX8CAT1.
485	3	1120-1122	[RX8CAT3] MULTUM DRUG CATEGORY # 3 See RX8CAT1.
486	3	1123-1125	[RX8CAT4] MULTUM DRUG CATEGORY # 4 See RX8CAT1.

DRUG CATEGORY LEVELS

487	3	1126-1128	[RX8V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
488	3	1129-1131	[RX8V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
489	3	1132-1134	[RX8V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
490	3	1135-1137	[RX8V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
491	3	1138-1140	[RX8V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
492	3	1141-1143	[RX8V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
493	3	1144-1146	[RX8V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
494	3	1147-1149	[RX8V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
495	3	1150-1152	[RX8V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
496	3	1153-1155	[RX8V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
497	3	1156-1158	[RX8V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
498	3	1159-1161	[RX8V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #9

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

499	6	1162-1167	[DRUGID9] Drug ID
500	1	1168	[PRESCR9] PRESCRIPTION STATUS CODE
501	1	1169	[CONTSUB9] CONTROLLED SUBSTANCE STATUS CODE
502	1	1170	[COMSTAT9] COMPOSITION STATUS CODE
503	3	1171-1173	[RX9CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
504	3	1174-1176	[RX9CAT2] MULTUM DRUG CATEGORY # 2 See RX9CAT1.
505	3	1177-1179	[RX9CAT3] MULTUM DRUG CATEGORY # 3 See RX9CAT1.
506	3	1180-1182	[RX9CAT4] MULTUM DRUG CATEGORY # 4 See RX9CAT1.

DRUG CATEGORY LEVELS

507	3	1183-1185	[RX9V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
508	3	1186-1188	[RX9V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
509	3	1189-1191	[RX9V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
510	3	1192-1194	[RX9V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
511	3	1195-1197	[RX9V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
512	3	1198-1200	[RX9V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
513	3	1201-1203	[RX9V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
514	3	1204-1206	[RX9V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
515	3	1207-1209	[RX9V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
516	3	1210-1212	[RX9V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
517	3	1213-1215	[RX9V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
518	3	1216-1218	[RX9V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #10

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

519	6	1219-1224	[DRUGID10] Drug ID
520	1	1225	[PRESCR10] PRESCRIPTION STATUS CODE
521	1	1226	[CONTSUB10] CONTROLLED SUBSTANCE STATUS CODE
522	1	1227	[COMSTAT10] COMPOSITION STATUS CODE
523	3	1228-1230	[RX10CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
524	3	1231-1233	[RX10CAT2] MULTUM DRUG CATEGORY # 2 See RX10CAT1.
525	3	1234-1236	[RX10CAT3] MULTUM DRUG CATEGORY # 3 See RX10CAT1.
526	3	1237-1239	[RX10CAT4] MULTUM DRUG CATEGORY # 4 See RX10CAT1.

DRUG CATEGORY LEVELS

527	3	1240-1242	[RX10V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
528	3	1243-1245	[RX10V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
529	3	1246-1248	[RX10V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
530	3	1249-1251	[RX10V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
531	3	1252-1254	[RX10V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
532	3	1255-1257	[RX10V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
533	3	1258-1260	[RX10V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
534	3	1261-1263	[RX10V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
535	3	1264-1266	[RX10V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
536	3	1267-1269	[RX10V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
537	3	1270-1272	[RX10V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
538	3	1273-1275	[RX10V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #11

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

539	6	1276-1281	[DRUGID11] Drug ID
540	1	1282	[PRESCR11] PRESCRIPTION STATUS CODE
541	1	1283	[CONTSUB11] CONTROLLED SUBSTANCE STATUS CODE
542	1	1284	[COMSTAT11] COMPOSITION STATUS CODE
543	3	1285-1287	[RX11CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
544	3	1288-1290	[RX11CAT2] MULTUM DRUG CATEGORY # 2 See RX11CAT1.
545	3	1291-1293	[RX11CAT3] MULTUM DRUG CATEGORY # 3 See RX11CAT1.
546	3	1294-1296	[RX11CAT4] MULTUM DRUG CATEGORY # 4 See RX11CAT1.

DRUG CATEGORY LEVELS

547	3	1297-1299	[RX11V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
548	3	1300-1302	[RX11V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
549	3	1303-1305	[RX11V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
550	3	1306-1308	[RX11V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
551	3	1309-1311	[RX11V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
552	3	1312-1314	[RX11V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
553	3	1315-1317	[RX11V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
554	3	1318-1320	[RX11V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
555	3	1321-1323	[RX11V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
556	3	1324-1326	[RX11V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
557	3	1327-1329	[RX11V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
558	3	1330-1332	[RX11V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #12

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

559	6	1333-1338	[DRUGID12] Drug ID
560	1	1339	[PRESCR12] PRESCRIPTION STATUS CODE
561	1	1340	[CONTSUB12] CONTROLLED SUBSTANCE STATUS CODE
562	1	1341	[COMSTAT12] COMPOSITION STATUS CODE
563	3	1342-1344	[RX12CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
564	3	1345-1347	[RX12CAT2] MULTUM DRUG CATEGORY # 2 See RX12CAT1.
565	3	1348-1350	[RX12CAT3] MULTUM DRUG CATEGORY # 3 See RX12CAT1.
566	3	1351-1353	[RX12CAT4] MULTUM DRUG CATEGORY # 4 See RX12CAT1.

DRUG CATEGORY LEVELS

567	3	1354-1356	[RX12V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
568	3	1357-1359	[RX12V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
569	3	1360-1362	[RX12V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
570	3	1363-1365	[RX12V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
571	3	1366-1368	[RX12V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
572	3	1369-1371	[RX12V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
573	3	1372-1374	[RX12V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
574	3	1375-1377	[RX12V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
575	3	1378-1380	[RX12V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
576	3	1381-1383	[RX12V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
577	3	1384-1386	[RX12V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
578	3	1387-1389	[RX12V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #13

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

579	6	1390-1395	[DRUGID13] Drug ID
580	1	1396	[PRESCR13] PRESCRIPTION STATUS CODE
581	1	1397	[CONTSUB13] CONTROLLED SUBSTANCE STATUS CODE
582	1	1398	[COMSTAT13] COMPOSITION STATUS CODE
583	3	1399-1401	[RX13CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
584	3	1402-1404	[RX13CAT2] MULTUM DRUG CATEGORY # 2 See RX13CAT1.
585	3	1405-1407	[RX13CAT3] MULTUM DRUG CATEGORY # 3 See RX13CAT1.
586	3	1408-1410	[RX13CAT4] MULTUM DRUG CATEGORY # 4 See RX13CAT1.

DRUG CATEGORY LEVELS

587	3	1411-1413	[RX13V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
588	3	1414-1416	[RX13V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
589	3	1417-1419	[RX13V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
590	3	1420-1422	[RX13V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
591	3	1423-1425	[RX13V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
592	3	1426-1428	[RX13V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
593	3	1429-1431	[RX13V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
594	3	1432-1434	[RX13V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
595	3	1435-1437	[RX13V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
596	3	1438-1440	[RX13V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
597	3	1441-1443	[RX13V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
598	3	1444-1446	[RX13V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #14

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

599	6	1447-1452	[DRUGID14] Drug ID
600	1	1453	[PRESCR14] PRESCRIPTION STATUS CODE
601	1	1454	[CONTSUB14] CONTROLLED SUBSTANCE STATUS CODE
602	1	1455	[COMSTAT14] COMPOSITION STATUS CODE
603	3	1456-1458	[RX14CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
604	3	1459-1461	[RX14CAT2] MULTUM DRUG CATEGORY # 2 See RX14CAT1.
605	3	1462-1464	[RX14CAT3] MULTUM DRUG CATEGORY # 3 See RX14CAT1.
606	3	1465-1467	[RX14CAT4] MULTUM DRUG CATEGORY # 4 See RX14CAT1.

DRUG CATEGORY LEVELS

607	3	1468-1470	[RX14V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
608	3	1471-1473	[RX14V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
609	3	1474-1476	[RX14V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
610	3	1477-1479	[RX14V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
611	3	1480-1482	[RX14V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
612	3	1483-1485	[RX14V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
613	3	1486-1488	[RX14V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
614	3	1489-1491	[RX14V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
615	3	1492-1494	[RX14V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
616	3	1495-1497	[RX14V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
617	3	1498-1500	[RX14V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
618	3	1501-1503	[RX14V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #15

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

619	6	1504-1509	[DRUGID15] Drug ID
620	1	1510	[PRESCR15] PRESCRIPTION STATUS CODE
621	1	1511	[CONTSUB15] CONTROLLED SUBSTANCE STATUS CODE
622	1	1512	[COMSTAT15] COMPOSITION STATUS CODE
623	3	1513-1515	[RX15CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
624	3	1516-1518	[RX15CAT2] MULTUM DRUG CATEGORY # 2 See RX15CAT1.
625	3	1519-1521	[RX15CAT3] MULTUM DRUG CATEGORY # 3 See RX15CAT1.
626	3	1522-1524	[RX15CAT4] MULTUM DRUG CATEGORY # 4 See RX15CAT1.

DRUG CATEGORY LEVELS

627	3	1525-1527	[RX15V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
628	3	1528-1530	[RX15V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
629	3	1531-1533	[RX15V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
630	3	1534-1536	[RX15V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
631	3	1537-1539	[RX15V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
632	3	1540-1542	[RX15V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
633	3	1543-1545	[RX15V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
634	3	1546-1548	[RX15V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
635	3	1549-1551	[RX15V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
636	3	1552-1554	[RX15V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
637	3	1555-1557	[RX15V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
638	3	1558-1560	[RX15V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #16

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

639	6	1561-1566	[DRUGID16] Drug ID
640	1	1567	[PRESCR16] PRESCRIPTION STATUS CODE
641	1	1568	[CONTSUB16] CONTROLLED SUBSTANCE STATUS CODE
642	1	1569	[COMSTAT16] COMPOSITION STATUS CODE
643	3	1570-1572	[RX16CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
644	3	1573-1575	[RX16CAT2] MULTUM DRUG CATEGORY # 2 See RX16CAT1.
645	3	1576-1578	[RX16CAT3] MULTUM DRUG CATEGORY # 3 See RX16CAT1.
646	3	1579-1581	[RX16CAT4] MULTUM DRUG CATEGORY # 4 See RX16CAT1.

DRUG CATEGORY LEVELS

647	3	1582-1584	[RX16V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
648	3	1585-1587	[RX16V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
649	3	1588-1590	[RX16V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
650	3	1591-1593	[RX16V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
651	3	1594-1596	[RX16V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
652	3	1597-1599	[RX16V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
653	3	1600-1602	[RX16V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
654	3	1603-1605	[RX16V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
655	3	1606-1608	[RX16V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
656	3	1609-1611	[RX16V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
657	3	1612-1614	[RX16V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
658	3	1615-1617	[RX16V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #17

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

659	6	1618-1623	[DRUGID17] Drug ID
660	1	1624	[PRESCR17] PRESCRIPTION STATUS CODE
661	1	1625	[CONTSUB17] CONTROLLED SUBSTANCE STATUS CODE
662	1	1626	[COMSTAT17] COMPOSITION STATUS CODE
663	3	1627-1629	[RX17CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
664	3	1830-1632	[RX17CAT2] MULTUM DRUG CATEGORY # 2 See RX17CAT1.
665	3	1633-1635	[RX17CAT3] MULTUM DRUG CATEGORY # 3 See RX17CAT1.
666	3	1636-1638	[RX17CAT4] MULTUM DRUG CATEGORY # 4 See RX17CAT1.

DRUG CATEGORY LEVELS

667	3	1639-1641	[RX17V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
668	3	1642-1644	[RX17V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
669	3	1645-1647	[RX17V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
670	3	1648-1650	[RX17V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
671	3	1651-1653	[RX17V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
672	3	1654-1656	[RX17V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
673	3	1657-1659	[RX17V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
674	3	1660-1662	[RX17V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
675	3	1663-1665	[RX17V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
676	3	1666-1668	[RX17V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
677	3	1669-1671	[RX17V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
678	3	1672-1674	[RX17V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #18

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

679	6	1675-1680	[DRUGID18] Drug ID
680	1	1681	[PRESCR18] PRESCRIPTION STATUS CODE
681	1	1682	[CONTSUB18] CONTROLLED SUBSTANCE STATUS CODE
682	1	1683	[COMSTAT18] COMPOSITION STATUS CODE
683	3	1684-1686	[RX18CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
684	3	1687-1689	[RX18CAT2] MULTUM DRUG CATEGORY # 2 See RX18CAT1.
685	3	1690-1692	[RX18CAT3] MULTUM DRUG CATEGORY # 3 See RX18CAT1.
686	3	1693-1695	[RX18CAT4] MULTUM DRUG CATEGORY # 4 See RX18CAT1.

DRUG CATEGORY LEVELS

687	3	1696-1698	[RX18V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
688	3	1699-1701	[RX18V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
689	3	1702-1704	[RX18V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
690	3	1705-1707	[RX18V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
691	3	1708-1710	[RX18V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
692	3	1711-1713	[RX18V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
693	3	1714-1716	[RX18V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
694	3	1717-1719	[RX18V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
695	3	1720-1722	[RX18V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
696	3	1723-1725	[RX18V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
697	3	1726-1728	[RX18V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
698	3	1729-1731	[RX18V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #19

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

699	6	1732-1737	[DRUGID19] Drug ID
700	1	1738	[PRESCR19] PRESCRIPTION STATUS CODE
701	1	1739	[CONTSUB19] CONTROLLED SUBSTANCE STATUS CODE
702	1	1740	[COMSTAT19] COMPOSITION STATUS CODE
703	3	1741-1743	[RX19CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
704	3	1744-1746	[RX19CAT2] MULTUM DRUG CATEGORY # 2 See RX19CAT1.
705	3	1747-1749	[RX19CAT3] MULTUM DRUG CATEGORY # 3 See RX19CAT1.
706	3	1750-1752	[RX19CAT4] MULTUM DRUG CATEGORY # 4 See RX19CAT1.

DRUG CATEGORY LEVELS

707	3	1753-1755	[RX19V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
708	3	1756-1758	[RX19V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
709	3	1759-1761	[RX19V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
710	3	1762-1764	[RX19V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
711	3	1765-1767	[RX19V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
712	3	1768-1770	[RX19V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
713	3	1771-1773	[RX19V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
714	3	1774-1776	[RX19V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
715	3	1777-1779	[RX19V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
716	3	1780-1782	[RX19V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
717	3	1783-1785	[RX19V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
718	3	1786-1788	[RX19V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #20

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

719	6	1789-1794	[DRUGID20] Drug ID
720	1	1795	[PRESCR20] PRESCRIPTION STATUS CODE
721	1	1796	[CONTSUB20] CONTROLLED SUBSTANCE STATUS CODE
722	1	1797	[COMSTAT20] COMPOSITION STATUS CODE
723	3	1798-1800	[RX20CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
724	3	1801-1803	[RX20CAT2] MULTUM DRUG CATEGORY # 2 See RX20CAT1.
725	3	1804-1806	[RX20CAT3] MULTUM DRUG CATEGORY # 3 See RX20CAT1.
726	3	1807-1809	[RX20CAT4] MULTUM DRUG CATEGORY # 4 See RX20CAT1.

DRUG CATEGORY LEVELS

727	3	1810-1812	[RX20V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
728	3	1813-1815	[RX20V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
729	3	1816-1818	[RX20V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
730	3	1819-1821	[RX20V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
731	3	1822-1824	[RX20V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
732	3	1825-1827	[RX20V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
733	3	1828-1830	[RX20V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
734	3	1831-1833	[RX20V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
735	3	1834-1836	[RX20V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
736	3	1837-1839	[RX20V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
737	3	1840-1842	[RX20V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
738	3	1843-1845	[RX20V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #21

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

739	6	1846-1851	[DRUGID21] Drug ID
740	1	1852	[PRESCR21] PRESCRIPTION STATUS CODE
741	1	1853	[CONTSUB21] CONTROLLED SUBSTANCE STATUS CODE
742	1	1854	[COMSTAT21] COMPOSITION STATUS CODE
743	3	1855-1857	[RX21CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
744	3	1858-1860	[RX21CAT2] MULTUM DRUG CATEGORY # 2 See RX21CAT1.
745	3	1861-1863	[RX21CAT3] MULTUM DRUG CATEGORY # 3 See RX21CAT1.
746	3	1864-1866	[RX21CAT4] MULTUM DRUG CATEGORY # 4 See RX21CAT1.

DRUG CATEGORY LEVELS

747	3	1867-1869	[RX21V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
748	3	1870-1872	[RX21V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
749	3	1873-1875	[RX21V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
750	3	1876-1878	[RX21V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
751	3	1879-1881	[RX21V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
752	3	1882-1884	[RX21V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
753	3	1885-1887	[RX21V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
754	3	1888-1890	[RX21V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
755	3	1891-1893	[RX21V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
756	3	1894-1896	[RX21V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
757	3	1897-1899	[RX21V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
758	3	1900-1902	[RX21V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #22

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

759	6	1903-1908	[DRUGID22] Drug ID
760	1	1909	[PRESCR22] PRESCRIPTION STATUS CODE
761	1	1910	[CONTSUB22] CONTROLLED SUBSTANCE STATUS CODE
762	1	1911	[COMSTAT22] COMPOSITION STATUS CODE
763	3	1912-1914	[RX22CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
764	3	1915-1917	[RX22CAT2] MULTUM DRUG CATEGORY # 2 See RX22CAT1.
765	3	1918-1920	[RX22CAT3] MULTUM DRUG CATEGORY # 3 See RX22CAT1.
766	3	1921-1923	[RX22CAT4] MULTUM DRUG CATEGORY # 4 See RX22CAT1.

DRUG CATEGORY LEVELS

767	3	1924-1926	[RX22V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
768	3	1927-1929	[RX22V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
769	3	1930-1932	[RX22V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
770	3	1933-1935	[RX22V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
771	3	1936-1938	[RX22V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
772	3	1939-1941	[RX22V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
773	3	1942-1944	[RX22V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
774	3	1945-1947	[RX22V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
775	3	1948-1950	[RX22V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
776	3	1951-1953	[RX22V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
777	3	1954-1956	[RX22V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
778	3	1957-1959	[RX22V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #23

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

779	6	1960-1965	[DRUGID23] Drug ID
780	1	1966	[PRESCR23] PRESCRIPTION STATUS CODE
781	1	1967	[CONTSUB23] CONTROLLED SUBSTANCE STATUS CODE
782	1	1968	[COMSTAT23] COMPOSITION STATUS CODE
783	3	1969-1971	[RX23CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
784	3	1972-1974	[RX23CAT2] MULTUM DRUG CATEGORY # 2 See RX23CAT1.
785	3	1975-1977	[RX23CAT3] MULTUM DRUG CATEGORY # 3 See RX23CAT1.
786	3	1978-1980	[RX23CAT4] MULTUM DRUG CATEGORY # 4 See RX23CAT1.

DRUG CATEGORY LEVELS

787	3	1981-1983	[RX23V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
788	3	1984-1986	[RX23V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
789	3	1987-1989	[RX23V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
790	3	1990-1992	[RX23V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
791	3	1993-1995	[RX23V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
792	3	1996-1998	[RX23V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
793	3	1999-2001	[RX23V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
794	3	2002-2004	[RX23V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
795	3	2005-2007	[RX23V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
796	3	2008-2010	[RX23V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
797	3	2011-2013	[RX23V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
798	3	2014-2016	[RX23V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #24

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

799	6	2017-2022	[DRUGID24] Drug ID
800	1	2023	[PRESCR24] PRESCRIPTION STATUS CODE
801	1	2024	[CONTSUB24] CONTROLLED SUBSTANCE STATUS CODE
802	1	2025	[COMSTAT24] COMPOSITION STATUS CODE
803	3	2026-2028	[RX24CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
804	3	2029-2031	[RX24CAT2] MULTUM DRUG CATEGORY # 2 See RX24CAT1.
805	3	2032-2034	[RX24CAT3] MULTUM DRUG CATEGORY # 3 See RX24CAT1.
806	3	2035-2037	[RX24CAT4] MULTUM DRUG CATEGORY # 4 See RX24CAT1.

DRUG CATEGORY LEVELS

807	3	2038-2040	[RX24V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
808	3	2041-2043	[RX24V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
809	3	2044-2046	[RX24V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
810	3	2047-2049	[RX24V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
811	3	2050-2052	[RX24V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
812	3	2053-2055	[RX24V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
813	3	2056-2058	[RX24V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
814	3	2059-2061	[RX24V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
815	3	2062-2064	[RX24V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
816	3	2065-2067	[RX24V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
817	3	2068-2070	[RX24V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
818	3	2071-2073	[RX24V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #25

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

819	6	2074-2079	[DRUGID25] Drug ID
820	1	2080	[PRESCR25] PRESCRIPTION STATUS CODE
821	1	2081	[CONTSUB25] CONTROLLED SUBSTANCE STATUS CODE
822	1	2082	[COMSTAT25] COMPOSITION STATUS CODE
823	3	2083-2085	[RX25CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
824	3	2086-2088	[RX25CAT2] MULTUM DRUG CATEGORY # 2 See RX25CAT1.
825	3	2089-2091	[RX25CAT3] MULTUM DRUG CATEGORY # 3 See RX25CAT1.
826	3	2092-2094	[RX25CAT4] MULTUM DRUG CATEGORY # 4 See RX25CAT1.

DRUG CATEGORY LEVELS

827	3	2095-2097	[RX25V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
828	3	2098-2100	[RX25V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
829	3	2101-2103	[RX25V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
830	3	2104-2106	[RX25V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
831	3	2107-2109	[RX25V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
832	3	2110-2112	[RX25V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
833	3	2113-2115	[RX25V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
834	3	2116-2118	[RX25V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
835	3	2119-2121	[RX25V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
836	3	2122-2124	[RX25V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
837	3	2125-2127	[RX25V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
838	3	2128-2130	[RX25V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #26

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

839	6	2131-2136	[DRUGID26] Drug ID
840	1	2137	[PRESCR26] PRESCRIPTION STATUS CODE
841	1	2138	[CONTSUB26] CONTROLLED SUBSTANCE STATUS CODE
842	1	2139	[COMSTAT26] COMPOSITION STATUS CODE
843	3	2140-2142	[RX26CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
844	3	2143-2145	[RX26CAT2] MULTUM DRUG CATEGORY # 2 See RX26CAT1.
845	3	2146-2148	[RX26CAT3] MULTUM DRUG CATEGORY # 3 See RX26CAT1.
846	3	2149-2151	[RX26CAT4] MULTUM DRUG CATEGORY # 4 See RX26CAT1.

DRUG CATEGORY LEVELS

847	3	2152-2154	[RX26V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
848	3	2155-2157	[RX26V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
849	3	2158-2160	[RX26V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
850	3	2161-2163	[RX26V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
851	3	2164-2166	[RX26V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
852	3	2167-2169	[RX26V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
853	3	2170-2172	[RX26V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
854	3	2173-2175	[RX26V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
858	3	2176-2178	[RX26V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
856	3	2179-2181	[RX26V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
857	3	2182-2184	[RX26V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
858	3	2185-2187	[RX26V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

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DRUG-RELATED INFO FOR MEDICATION #27

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

859	6	2188-2193	[DRUGID27] Drug ID
860	1	2194	[PRESCR27] PRESCRIPTION STATUS CODE
861	1	2195	[CONTSUB27] CONTROLLED SUBSTANCE STATUS CODE
862	1	2196	[COMSTAT27] COMPOSITION STATUS CODE
863	3	2197-2199	[RX27CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
864	3	2200-2202	[RX27CAT2] MULTUM DRUG CATEGORY # 2 See RX27CAT1.
865	3	2203-2205	[RX27CAT3] MULTUM DRUG CATEGORY # 3 See RX27CAT1.
866	3	2206-2208	[RX27CAT4] MULTUM DRUG CATEGORY # 4 See RX27CAT1.

DRUG CATEGORY LEVELS

867	3	2209-2211	[RX27V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
868	3	2212-2214	[RX27V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
869	3	2215-2217	[RX27V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
870	3	2218-2220	[RX27V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
871	3	2221-2223	[RX27V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
872	3	2224-2226	[RX27V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
873	3	2227-2229	[RX27V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
874	3	2230-2232	[RX27V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
875	3	2233-2235	[RX27V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
876	3	2236-2238	[RX27V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
877	3	2239-2241	[RX27V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
878	3	2242-2244	[RX27V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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DRUG-RELATED INFO FOR MEDICATION #28

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

879	6	2245-2250	[DRUGID28] Drug ID
880	1	2251	[PRESCR28] PRESCRIPTION STATUS CODE
881	1	2252	[CONTSUB28] CONTROLLED SUBSTANCE STATUS CODE
882	1	2253	[COMSTAT28] COMPOSITION STATUS CODE
883	3	2254-2256	[RX28CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
884	3	2257-2259	[RX28CAT2] MULTUM DRUG CATEGORY # 2 See RX28CAT1.
885	3	2260-2262	[RX28CAT3] MULTUM DRUG CATEGORY # 3 See RX28CAT1.
886	3	2263-2265	[RX28CAT4] MULTUM DRUG CATEGORY # 4 See RX28CAT1.

DRUG CATEGORY LEVELS

887	3	2266-2268	[RX28V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
888	3	2269-2271	[RX28V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
889	3	2272-2274	[RX28V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
890	3	2275-2277	[RX28V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
891	3	2278-2280	[RX28V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
892	3	2281-2283	[RX28V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
893	3	2284-2286	[RX28V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
894	3	2287-2289	[RX28V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
895	3	2290-2292	[RX28V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
896	3	2293-2295	[RX28V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
897	3	2296-2298	[RX28V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
898	3	2299-2301	[RX28V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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DRUG-RELATED INFO FOR MEDICATION #29

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

899	6	2302-2307	[DRUGID29] Drug ID
900	1	2308	[PRESCR29] PRESCRIPTION STATUS CODE
901	1	2309	[CONTSUB29] CONTROLLED SUBSTANCE STATUS CODE
902	1	2310	[COMSTAT29] COMPOSITION STATUS CODE
903	3	2311-2313	[RX29CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
904	3	2314-2316	[RX29CAT2] MULTUM DRUG CATEGORY # 2 See RX29CAT1.
905	3	2317-2319	[RX29CAT3] MULTUM DRUG CATEGORY # 3 See RX29CAT1.
906	3	2320-2322	[RX29CAT4] MULTUM DRUG CATEGORY # 4 See RX29CAT1.

DRUG CATEGORY LEVELS

907	3	2323-2325	[RX29V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
908	3	2326-2328	[RX29V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
909	3	2329-2331	[RX29V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
910	3	2332-2334	[RX29V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
911	3	2335-2337	[RX29V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
912	3	2338-2340	[RX29V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
913	3	2341-2343	[RX29V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
914	3	2344-2346	[RX29V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
915	3	2347-2349	[RX29V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
916	3	2350-2352	[RX29V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
917	3	2353-2355	[RX29V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
918	3	2356-2358	[RX29V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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DRUG-RELATED INFO FOR MEDICATION #30

Please see "DRUG-RELATED INFO FOR MEDICATION #1" (page 63) for coding information.

919	6	2359-2364	[DRUGID30] Drug ID
920	1	2365	[PRESCR30] PRESCRIPTION STATUS CODE
921	1	2366	[CONTSUB30] CONTROLLED SUBSTANCE STATUS CODE
922	1	2367	[COMSTAT30] COMPOSITION STATUS CODE
923	3	2368-2370	[RX30CAT1] MULTUM DRUG CATEGORY # 1 (therapeutic class)
924	3	2371-2373	[RX30CAT2] MULTUM DRUG CATEGORY # 2 See RX30CAT1.
925	3	2374-2376	[RX30CAT3] MULTUM DRUG CATEGORY # 3 See RX30CAT1.
926	3	2377-2379	[RX30CAT4] MULTUM DRUG CATEGORY # 4 See RX30CAT1.

DRUG CATEGORY LEVELS

927	3	2380-2382	[RX30V1C1] Level 1 of MULTUM DRUG CATEGORY # 1
928	3	2383-2385	[RX30V1C2] Level 1 of MULTUM DRUG CATEGORY # 2
929	3	2386-2388	[RX30V1C3] Level 1 of MULTUM DRUG CATEGORY # 3
930	3	2389-2391	[RX30V1C4] Level 1 of MULTUM DRUG CATEGORY # 4
931	3	2392-2394	[RX30V2C1] Level 2 of MULTUM DRUG CATEGORY # 1
932	3	2395-2397	[RX30V2C2] Level 2 of MULTUM DRUG CATEGORY # 2
933	3	2398-2400	[RX30V2C3] Level 2 of MULTUM DRUG CATEGORY # 3
934	3	2401-2403	[RX30V2C4] Level 2 of MULTUM DRUG CATEGORY # 4
935	3	2404-2406	[RX30V3C1] Level 3 of MULTUM DRUG CATEGORY # 1
936	3	2407-2409	[RX30V3C2] Level 3 of MULTUM DRUG CATEGORY # 2
937	3	2410-2412	[RX30V3C3] Level 3 of MULTUM DRUG CATEGORY # 3
938	3	2413-2415	[RX30V3C4] Level 3 of MULTUM DRUG CATEGORY # 4

ITEM NO.	FIELD LENGTH	FILE LOCATION	[ITEM NAME], DESCRIPTION, AND CODES
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***** END OF DRUG CHARACTERISTICS *****

939	1	2416	[SETTYPE] SETTING TYPE This item is intended for use when combining data from NAMCS or NHAMCS-OPD public use files with ED data. 1 = Physician Office (NAMCS) (only on NAMCS file) 2 = Outpatient Department (NHAMCS-OPD) (only on OPD file) 3 = Emergency Department (NHAMCS-ED)
940	4	2417-2420	[YEAR] SURVEY YEAR (2017)

NHAMCS DESIGN VARIABLES

Masked design variables were first released on the 2000 NHAMCS (and NAMCS) public use files, and were subsequently added to the 1993-1999 public use files. These variables reflected the multi-stage sampling design of the surveys, and were for use with statistical software like SUDAAN that takes such information into account. However, these variables could not be used in other statistical software packages, such as SAS and Stata, which employ an ultimate cluster model to estimate variance, without substantial modification. Therefore, two new variables were created and first added to the 2002 file, CSTRATM and CPSUM. They can be used to estimate variance with SUDAAN's with-replacement (WR) option, as well as with Stata, SPSS, SAS, and other statistical software packages utilizing an ultimate cluster model for variance estimation. These variables and their use are described more fully in the "Relative Standard Errors" section of the public use file documentation. The decision was made to include only these new variables, CSTRATM and CPSUM, and not the multi-stage design variables, beginning with the 2003 data release. For those who wish to combine data from 2003 forward with survey data from years prior to 2002 which do not contain CSTRATM and CPSUM, please see the technical paper, *Using Ultimate Cluster Models with NAMCS and NHAMCS Public Use Files*, at <http://www.cdc.gov/nchs/nhamcs.htm>.

941	8	2421-2428	[CSTRATM] CLUSTERED PSU STRATUM MARKER (masked) 20116201-40400000
942	6	2429-2434	[CPSUM] CLUSTERED PSU MARKER (masked) 1-100228

***** WEIGHTING VARIABLES *****

NOTE: Both PATWT and EDWT are now provided in decimal format for better precision. The figure has been rounded to 5 decimal places for both.

943	11	2435-2445	[PATWT] PATIENT VISIT WEIGHT (See page 29 in Section I.) PATWT enables data users to make national and regional estimate with sample data. 104.45846 - 44275.79403
944	9	2446-2454	[EDWT] EMERGENCY DEPARTMENT WEIGHT EDWT enables data users to make emergency-department-level estimates. Please see page 26 for more information. 2.09691 - 158.73421

III. MARGINAL DATA**A. EMERGENCY DEPARTMENT PATIENT VISITS**

CATEGORY	RECORDS	WEIGHTED VISITS	PERCENT
Age recode			
Total	16,709	138,977,360	100.000
1 - Under 15 years	3,331	28,369,111	20.413
2 - 15-24 years	2,309	20,194,213	14.531
3 - 25-44 years	4,728	38,207,415	27.492
4 - 45-64 years	3,698	29,827,529	21.462
5 - 65-74 years	1,278	10,316,353	7.423
6 - 75 years and over	1,365	12,062,739	8.680
Patient sex			
Total	16,709	138,977,360	100.000
1 - Female	9,150	77,215,463	55.560
2 - Male	7,559	61,761,896	44.440
Imputed ethnicity			
Total	16,709	138,977,360	100.000
1 - Hispanic or Latino	2,473	21,441,452	15.428
2 - Not Hispanic or Latino	14,236	117,535,908	84.572
Unimputed race			
Total	16,709	138,977,360	100.000
-9 - Blank	3,088	20,983,924	15.099
1 - White Only	9,301	82,596,890	59.432
2 - Black/African American Only	3,747	31,848,602	22.916
3 - Asian Only	333	2,158,667	1.553
4 - Native Hawaiian/Oth Pac Isl Only	88	362,638	0.261
5 - American Indian/Alaska Native Only	90	598,698	0.431
6 - More than one race reported	62	427,940	0.308

CATEGORY	RECORDS	WEIGHTED VISITS	PERCENT
Recorded primary expected source of payment for this visit (based on hierarchy)			
Total	16,709	138,977,360	100.000
-9 - All sources of payment are blank	291	1,690,724	1.217
-8 - Unknown	1,425	11,964,097	8.609
1 - Private insurance	4,293	33,368,523	24.010
2 - Medicare	2,971	25,663,333	18.466
3 - Medicaid, CHIP or other state-based program	6,039	50,917,178	36.637
4 - Workers' compensation	123	972,673	0.700
5 - Self-pay	1,179	10,899,091	7.842
6 - No charge/Charity	56	351,076	0.253
7 - Other	332	3,150,664	2.267
Immediacy with which patient should be seen (unimputed)			
Total	16,709	138,977,360	100.000
-9 - Blank	410	4,023,179	2.895
-8 - Unknown	3,165	26,916,182	19.367
0 - 'No triage' for this visit but ESA does conduct nursing triage	228	1,453,183	1.046
1 - Immediate	145	1,207,514	0.869
2 - Emergent	1,539	13,763,069	9.903
3 - Urgent	5,759	47,129,493	33.912
4 - Semi-urgent	4,100	33,340,393	23.990
5 - Nonurgent	667	5,383,653	3.874
7 - Visit occurred in ESA that does not conduct nursing triage	696	5,760,693	4.145

CATEGORY	RECORDS	WEIGHTED VISITS	PERCENT
Number of medications			
Total	16,709	138,977,360	100.000
0	3,345	26,210,096	18.859
1	3,664	29,534,540	21.251
2	3,212	26,681,326	19.198
3	2,239	19,296,148	13.884
4	1,518	13,067,502	9.403
5	930	8,682,253	6.247
6	644	5,670,535	4.080
7	361	3,121,363	2.246
8	226	1,959,344	1.410
9	130	1,154,503	0.831
10	93	814,520	0.586
11	66	457,295	0.329
12	69	621,647	0.447
13	39	279,498	0.201
14	37	298,516	0.215
15	14	98,402	0.071
16	24	196,850	0.142
17	27	181,091	0.130
18	13	129,163	0.093
19	10	104,651	0.075
20	9	52,357	0.038
21	6	79,112	0.057
22	12	63,828	0.046
23	5	51,539	0.037
24	4	68,017	0.049
25	4	64,273	0.046
26	2	13,787	0.010
27	4	21,403	0.015
28	1	2,180	0.002
30	1	1,618	0.001

B. EMERGENCY DEPARTMENT DRUG MENTIONS

CATEGORY	RECORDS	WEIGHTED MENTIONS	PERCENT
Age recode			
Total	42,981	368,453,639	100.000
1 - Under 15 years	5,434	47,026,684	12.763
2 - 15-24 years	4,930	43,563,267	11.823
3 - 25-44 years	12,523	105,276,154	28.572
4 - 45-64 years	11,446	94,888,169	25.753
5 - 65-74 years	4,219	36,247,253	9.838
6 - 75 years and over	4,429	41,452,113	11.250
Patient sex			
Total	42,981	368,453,639	100.000
1 - Female	24,518	212,453,597	57.661
2 - Male	18,463	156,000,043	42.339
Unimputed race			
Total	42,981	368,453,639	100.000
-9 - Blank	7,941	56,921,507	15.449
1 - White Only	24,454	224,606,703	60.959
2 - Black/African American Only	9,391	79,941,546	21.697
3 - Asian Only	710	4,567,770	1.240
4 - Native Hawaiian/Oth Pac Isl Only	188	801,811	0.218
5 - American Indian/Alaska Native Only	166	1,017,190	0.276
6 - More than one race reported	131	597,112	0.162

CATEGORY	RECORDS	WEIGHTED MENTIONS	PERCENT
Drug therapeutic categories (using level 1 codes)			
Total	49,692	426,849,779	100.000
'001'=Anti-infectives	5,032	44,252,973	10.367
'020'=Antineoplastics	37	266,776	0.062
'028'=Biologicals	17	123,997	0.029
'040'=Cardiovascular agents	2,900	24,172,550	5.663
'057'=Central nervous system agents	17,979	156,141,908	36.580
'081'=Coagulation modifiers	1,008	8,509,017	1.993
'087'=Gastrointestinal agents	2,672	22,962,259	5.379
'097'=Hormones/hormone modifiers	1,632	14,764,235	3.459
'105'=Miscellaneous agents	1,253	10,202,423	2.390
'113'=Genitourinary tract agents	164	1,232,939	0.289
'115'=Nutritional products	4,872	41,607,460	9.748
'122'=Respiratory agents	7,009	61,672,093	14.448
'133'=Topical agents	1,824	15,509,329	3.633
'153'=Plasma expanders	6	72,793	0.017
'218'=Alternative medicines	121	911,823	0.214
'242'=Psychotherapeutic agents	1,024	6,177,851	1.447
'254'=Immunologic agents	461	3,768,280	0.883
'331'=Radiologic agents	566	5,357,420	1.255
'358'=Metabolic agents	860	6,869,185	1.609
'365'=Medical gas	226	2,052,722	0.481
'899'=Pharmaceutical aids	29	221,746	0.052

Therapeutic categories are based on Lexicon Plus®, a proprietary database of Cerner Multum, Inc. The Lexicon Plus is a comprehensive database of all prescription and some nonprescription drug products available in the U.S. drug market. For additional information on the Multum Lexicon Drug Database, please refer to the following Web site: <http://www.multum.com/lexicon.html>. For more information on coding therapeutic categories in NHAMCS, see page 21.

C. EMERGENCY DEPARTMENTS

CATEGORY	RECORDS	WEIGHTED EMERGENCY DEPARTMENTS	PERCENT
Geographic region			
Total	203	5,182	100.000
Northeast	40	674	13.013
Midwest	47	1,657	31.974
South	82	1,999	38.574
West	34	852	16.439
Metropolitan statistical area status			
Total	203	5,182	100.000
MSA	176	3,710	71.599
Non-MSA	27	1,472	28.401

APPENDIX I

A. STANDARD ERRORS AND VARIANCE ESTIMATION

The standard error is primarily a measure of the sampling variability that occurs by chance because only a sample is surveyed, rather than the entire universe. The relative standard error (RSE) of an estimate is obtained by dividing the standard error of the estimate by the estimate itself and is expressed as a percentage of the estimate. Standard errors and other measures of sampling variability are best determined by using a statistical software package that takes into account the sample designs of surveys to produce such measures.

In the past, NHAMCS micro-data file documentation contained formulas for approximating relative standard errors based on generalized variance curves as well as tables showing lowest reliable estimates based on curve coefficients. This was provided as an alternative for data users who lacked analytic software to produce standard errors and other measures of sampling variability. However, it has long been recognized that such approximations are less accurate than those produced using a statistical software package that takes into account the complex sample designs of surveys. As more data users have obtained access to sophisticated computer software over time, and as recent efforts by NCHS research staff to refine the generalized variance curves did not yield significant improvements, the decision was made starting with 2011 NHAMCS data to discontinue the provision of these approximate methods of variance estimation.

Using computer software like SUDAAN to produce standard errors will, in general, yield results that are more accurate than those produced using generalized variance curves. This is especially true for clustered variables like race, provider seen, or expected source of payment. However, standard errors produced with such software using masked design variables, while improving substantially over generalized variance curve results, will not always be as accurate as those produced using unmasked data. Data files containing unmasked variables are confidential and are only available through the NCHS Research Data Center. While the initial release of masked design variables (starting with the 2000 data year, and continuing with re-released files for 1993-99) included the multi-stage variables necessary for running SUDAAN's full sample without-replacement design option, the 2002 release added two new variables (CSTRATM and CPSUM) needed for running programs that use an ultimate cluster model. Ultimate cluster variance estimates depend only on the first stage of the sample design, so that only first-stage cluster and first-stage stratum identification are required. The earlier version of the masked design variables could not be used with such software without substantial recoding. For 2003 forward, the decision was made to include only those two new variables on the files. The new variables, CSTRATM and CPSUM, differ from the earlier design variables STRATM and PSUM, in that providers are the first-stage sampling units in certainty areas (geographic areas selected with certainty), while geographic areas are the first-stage sampling units in non-certainty areas. Therefore, one should not use the new and old versions (CSTRATM and STRATM or CPSUM and PSUM) together (as for example, when combining years of data). Researchers who wish to combine data from 2003 forward with prior files which do not contain CSTRATM and CPSUM should refer to the technical paper, *Using Ultimate Cluster Models with NAMCS and NHAMCS Public Use Files*, at http://www.cdc.gov/nchs/ahcd/ahcd_questionnaires.htm.

Examples using CSTRATM and CPSUM in SUDAAN's 1-stage WR (with replacement) design option, SAS's PROC SURVEYMEANS, Stata, and SPSS applications are presented below. These examples can be used to approximate variances for visit estimates for one year of data alone or when combined with NAMCS data or previous years of NHAMCS data.

It should be noted that for survey data through 2011, when the NHAMCS Outpatient Department public use file was last released, data users were urged to combine data from the ED and OPD components of NHAMCS in order to ensure that all hospitals were included (because hospitals were sampled prior to the selection of EDs and OPDs) to get the best variance estimation. In the public use files, there can be hospitals with EDs but no OPDs, and vice versa, and if only one file were used, not all sample hospitals would be accounted for when calculating variances. However, because OPD data are not being released

at this time, research was conducted to determine if special steps should be taken to preserve all sampling clusters when computing variances with ED records alone.

For 2017 data, internal research was conducted using the same methodology employed since 2012. The effects of the missing sampling design information were less pronounced than in 2016 and should lead to less variances being understated compared with what was found in previous years. For most standard error estimates (approximately 85% of the 348 estimates tested) the differences were small, but the possible understatement in variances for other estimates means a higher likelihood of a Type I error (finding a significant difference in the data that may not actually exist).

In order to decrease the possibility of a Type I error when analyzing the 2017 NHAMCS ED public use file, we recommend that researchers test for significant differences at the $\alpha=0.01$ level, rather than the more commonly used 0.05 level. For questions, please contact the Ambulatory and Hospital Care Statistics Branch at 301-458-4600 or email ambcare@cdc.gov.

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SUDAAN 1-stage WR (With-Replacement) Option

The program below provides a with-replacement ultimate cluster (1-stage) estimate of standard errors for a cross-tabulation with a dataset called COMB1.

```
PROC CROSSTAB DATA=ED1 DESIGN=WR FILETYPE=SAS;  
NEST CSTRATM CPSUM/MISSUNIT;
```

SAS - PROC SURVEYMEANS

```
PROC SURVEYMEANS DATA=ED1;  
CLUSTER CPSUM;  
STRATA CSTRATM;
```

Stata - For use with ultimate cluster design option:

The pweight (PATWT), strata (CSTRATM), and PSU (CPSUM) are set with the svyset command as follows:

Stata 8:

```
svyset [pweight=patwt], psu(cpsum) strata(cstratm)
```

Stata 9 and later:

```
svyset cpsum [pweight=patwt], strata(cstratm)
```

SPSS

To obtain variance estimates which take the sample design into account, IBM SPSS Inc.'s Complex Samples module can be used. This description applies to version 21.0. From the main menu, first click on 'Analyze', then 'Complex Samples', then 'Prepare for Analysis'. The 'Analysis Preparation Wizard' can be used to set CSTRATM as the stratum variable, CPSUM as the cluster variable, and PATWT as the weighting variable. The WR design option may be chosen. This will create the PLAN FILE syntax, which should resemble the code below, where PLAN FILE reflects the location you have selected to store the file on your computer:

CSPLAN ANALYSIS

```
/PLAN FILE='DIRECTORY\PLANNAME.CSAPLAN'  
/PLAN VARS ANALYSISWEIGHT=PATWT  
/PRINT PLAN  
/DESIGN STAGELABEL= 'ANY LABEL' STRATA=CSTRATM CLUSTER=CPSUM  
/ESTIMATOR TYPE=WR.
```

After creating the plan file, various analyses can be selected from the 'Complex Samples' menu. This is an example of a crosstabulation with options selected for counts, percents, and standard errors, with missing data (if any) included:

CSTABULATE

```
/PLAN FILE='DIRECTORY\PLANNAME.CSAPLAN'  
/TABLES VARIABLES = AGER BY SEX  
/CELLS POPSIZE ROWPCT COLPCT  
/STATISTICS SE COUNT  
/MISSING SCOPE = TABLE CLASSMISSING = INCLUDE.
```

Results using IBM SPSS with the WR option were found to be the same as those obtained using SUDAAN Release 11.0.1 with the WR option.

Since the ultimate cluster procedures discussed above compute Taylor series variance estimates, results should be identical. Results differ, however, when a single case stratum, or singleton, is present on the data file because each software package treats such cases differently. There are no singletons on the 2017 NHAMCS ED file, so this should not present a problem.

IMPORTANT NOTE: These examples can be used when producing visit or drug estimates. For department-level estimates, the statements are the same, but replace PATWT with either EDWT (for emergency department estimates) or OPDWT (for outpatient department estimates). The EDWT and OPDWT are only placed on the first record for each emergency department or outpatient department on the file. When running purely facility level analysis, it is recommended that only records with EDWT > 0 or OPDWT > 0 be selected; this will give the correct sample counts and will not affect estimation of variance. Weighted estimates will be correct either way.

In addition to producing estimates of department-level characteristics, it is possible to compute means of visit characteristics at the department level, for example, average waiting time to see a physician in the ED. This is a more complicated process, and is described with sample SAS code at the Ambulatory Health Care Data website (<http://www.cdc.gov/nchs/ahcd.htm>). For more information, contact the Ambulatory and Hospital Care Statistics Branch at 301-458-4600 or email ambcare@cdc.gov.

B. INSTRUCTIONS FOR COMPLETING PATIENT RECORD FORMS (PRFs)

I. EMERGENCY DEPARTMENT PATIENT RECORD FORM

NOTE: In years prior to 2012, NHAMCS data collection agents were provided with a manual containing the Patient Record Form Instructions. This was used to train hospital staff in completing the questionnaires and in familiarizing the data collection agents with the survey instructions in cases where they abstracted the data directly from medical records. Starting in 2012 when a computer-assisted mode of data collection was used for the first time, data collection agents abstracted data from medical records for nearly all sampled visits and recorded them using an automated tool. This tool contained online help screens which could be accessed during data collection for most data items, replacing the old paper manuals. What is shown below is a compilation of the various help screen texts taken from the automated instrument.

NOTE: Nearly all item instructions used in 2017 were identical to those used in 2016 and can be found on page 114 here: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/NHAMCS/doc16_ed.pdf. Only item instructions with changes since 2016 are shown below (new instruction for Diastolic Blood Pressure under Triage and under Vitals after Triage, and slightly modified category labels for the Visit Disposition categories DOA and Left AMA):

TRIAGE

Blood pressure (Systolic and Diastolic)

Palpation (P or PALP) and Doppler (DOPP or DOPPLER) blood pressure techniques can only detect systolic blood pressures. Therefore diastolic blood pressures are recorded as P, PALP, DOPP, or DOPPLER instead of numeric values.

VITALS AFTER TRIAGE

Vital signs	Definition
Does the chart contain vital signs taken after triage?	Enter the last set of vital signs documented in the chart that were taken after triage.

Blood pressure (Systolic and Diastolic)

Palpation (P or PALP) and Doppler (DOPP or DOPPLER) blood pressure techniques can only detect systolic blood pressures. Therefore diastolic blood pressures are recorded as P, PALP, DOPP, or DOPPLER instead of numeric values.

VISIT DISPOSITION (ENTER ALL THAT APPLY, SEPARATE WITH COMMAS)

Visit Disposition	Definitions
1. No follow-up planned	No return visit or telephone or email contact was scheduled or planned for the patient's problem.
2. Return to ED	The patient was told to schedule an appointment or was given an appointment to return to the emergency department (ED) at a particular time.
3. Return/Refer to physician/clinic for FU	The patient was referred to a physician outside of the ED, such as a personal physician, or an outpatient clinic for follow-up after being screened, evaluated, and stabilized in the ED.
4. Left without being seen (LWBS)	The patient left the ED before being seen by the main health care provider, e.g., physician, APRN (Advanced Practice Registered Nurse – includes nurse practitioners and clinical nurse specialists), or physician assistant. The patient may have left the ED either before or after being triaged.
5. Left before treatment complete (LBTC)	The patient left the ED after being seen by the main health care provider, e.g., physician, APRN (Advanced Practice Registered Nurse – includes nurse practitioners and clinical nurse specialists), or physician assistant, but before treatment was completed.
6. Left against medical advice (AMA)	The patient left against medical advice (AMA). The patient was evaluated by a physician, APRN (Advanced Practice Registered Nurse – includes nurse practitioners and clinical nurse specialists), or physician assistant, and advised to stay and receive or complete treatment.
7. Dead on arrival (DOA)	The patient was dead on arrival (DOA). This patient is still included in the sample if listed on arrival log.
8. Died in ED	The patient died in the ED. This patient is still included in the sample if listed on arrival log.
9. Return/Transfer to	The patient returned to the nursing home that is

nursing home	their usual place of residence or was transferred to a nursing home.
10. Transfer to psychiatric hospital	The patient was transferred to a hospital which specializes in treating mental and/or behavioral health problems and where patients stay overnight and receive psychological/educational therapy alone or combined with medication.
11. Transfer to non-psychiatric hospital	The patient was transferred to another non-psychiatric hospital.
12. Admit to this hospital	The patient was instructed that further care or treatment was needed and was admitted to this hospital.
13. Admit to observation unit then hospitalized	<p>The patient was admitted to a designated observation unit for evaluation and management or to wait for an inpatient bed, and then was admitted to the hospital. The observation unit may be located in a separate geographic area from the ED or in an in-hospital observation space.</p> <p>Observation processes vary by hospital and within hospitals based on the location and service providing care. Other names of ED observation units include: clinical decision unit (CDU), chest pain evaluation unit, short-stay unit, and rapid diagnostic and treatment unit.</p>
14. Admit to observation unit then discharged	<p>The patient was admitted to a designated observation unit in the ED for evaluation and management, but was discharged from the ED and was never admitted to a hospital.</p> <p>The observation unit may be located in a separate geographic area from the ED or in an in-hospital observation space. Observation processes vary by hospital and within hospitals based on the location and service providing care.</p> <p>Other names of ED observation units include: clinical decision unit (CDU), chest pain evaluation unit, short-stay unit, and rapid diagnostic and treatment unit.</p>

15. Other	Any other disposition not included in the above list.

C. DEFINITIONS OF CERTAIN TERMS USED IN THE SURVEY (Emergency Department Component)

Patient - An individual seeking personal health services not currently admitted to any health care institution on the premises. Patients arriving by ambulance are included. Patients are defined as in scope or out of scope as follows:

In scope - A patient seen by hospital staff in an in scope emergency service area or clinic except as excluded below.

Out of scope - Patients seen by a physician in their private office, nursing home, or other extended care institution or in the patient's home. Patients who contact and receive advice from hospital staff via telephone. Patients who come to the hospital only to leave a specimen, to pick up insurance forms, to pick up medication, or to pay a bill.

Visit - A direct, personal exchange between an ambulatory patient seeking care and a physician or other hospital staff member working under the physician's supervision for the purpose of rendering personal health services.

Drug mention - The health care provider's entry on the Patient Record form of a pharmaceutical agent ordered, supplied, administered or continued during the visit-- by any route of administration--for prevention, diagnosis, or treatment. Generic as well as brand name drugs are included, as are nonprescription as well as prescription drugs. Along with all new drugs, the hospital staff also records continued medications if the patient was specifically instructed during the visit to continue the medication.

Hospital - All hospitals with an average length of stay for all patients of less than 30 days (short-stay) or hospital whose specialty is general (medical or surgical) or children's general are eligible for the National Hospital Ambulatory Medical Care Survey except Federal hospitals and hospital units of institutions, and hospitals with less than six beds staffed for patient use.

Emergency department - Hospital facility for the provision of unscheduled outpatient services to patients whose conditions require immediate care and which is staffed 24 hours a day. Emergency departments that are open less than 24 hours a day are included as part of the hospital's outpatient department.

Emergency service area - Area within the emergency department where emergency services are provided. This includes services provided under the "hospital as landlord" arrangement in which the hospital rents space to a physician group.

Region - Hospitals are classified by location in one of the four geographic regions of the United States that correspond to those used by the U.S. Bureau of the Census.

<u>Region</u>	<u>States included</u>
Northeast	Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont
Midwest	Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin
South	Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia
West	Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming

APPENDIX II REASON FOR VISIT CLASSIFICATION

NOTE: The Reason for Visit Classification used for the 2017 NHAMCS ED public use micro-data file has not changed since the 2015 version used with the National Ambulatory Medical Care Survey and is available [here](#).

APPENDIX III**A. GENERIC CODES AND NAMES IN NUMERIC ORDER**

Starting with 2006 data, the Multum Lexicon Plus system has been used to classify drugs in NHAMCS. Drugs starting with a “d” prefix are those for which a match was found in the Multum Lexicon Plus®, a proprietary database of Cerner Multum, Inc., and the code reflects the Multum code for the drug. Drugs starting with an “a” prefix are those which were added to the NCHS database in 2006 and 2007 for which a match could not be found in Multum but for which ingredients could be identified. Drugs starting with a “c” prefix are those drugs added to the NCHS database in 2006 and 2007 for which ingredients could not be determined. Drugs starting with “a” or “c” were assigned codes by NCHS. As of 2008 data, new “a” and “c” codes are no longer being used to code drugs in the NCHS database. Starting in 2008, drugs which were added to the NCHS database for which no match could be found in Multum use an “n” prefix. Ingredients are separated by dashes (for two ingredients only) or semi-colons (for three or more ingredients).

a07001 FOLIC ACID;NIACIN;VITAMIN E;PYRIDOXINE;CYANOCOBALAMIN
a07002 CHOLECALCIFEROL-CALCIUM CITRATE
a07069 CYANOACRYLATE
a10051 BENZYL ALCOHOL;SOYBEAN OIL;STARCH TOPICAL
a10068 ASCORBIC ACID;BIOTIN;VITAMIN B COMPLEX
a10133 CALCIUM ION;CHLORIDE ION;MAGNESIUM ANTACIDS;POTASSIUM ION;SODIUM ION
a10140 CALCIUM ION;MAGNESIUM CHLORIDE;POTASSIUM ION;SODIUM CHLORIDE
a10160 CASEIN;COCONUT OIL;MAGNESIUM AMINO ACIDS CHELATE;SUCROSE;TAPIOCA
a10192 CHLORIDE ION;POTASSIUM CITRATE;SODIUM ION
a10253 DEXTROSE-LACTATED RINGERS
a10264 DEXTROSE;POTASSIUM CHLORIDE;SODIUM CHLORIDE
a10267 DEXTROSE-SODIUM CHLORIDE
a10279 DEXTROSE-STERILE WATER
a10399 FOLIC ACID;IRON PREPARATIONS;MULTIVITAMIN
a10442 IRON PREPARATIONS-MULTIVITAMIN
a10463 ALUMINUM HYDROXIDE;DIPHENHYDRAMINE TOPICAL;LIDOCAINE;MAGNESIUM
ANTACIDS
a10474 ALUMINUM HYDROXIDE-MAGNESIUM ANTACIDS
a10475 ALUMINUM HYDROXIDE;MAGNESIUM ANTACIDS;SIMETHICONE
a10530 MINERALS-MULTIVITAMIN
a10544 BENZOCAINE TOPICAL;CAMPHOR TOPICAL;CLOVE;MENTHOL TOPICAL;OLIVE OIL
a10588 MINERAL OIL-PEANUT OIL
a10640 POTASSIUM REPLACEMENT SOLUTIONS-SODIUM CHLORIDE
a10651 POTASSIUM ION-SODIUM CHLORIDE
a10664 HP GUAR;POLYETHYLENE GLYCOL 3350;PROPYLENE GLYCOL;SODIUM BORATE
TOPICAL
a10678 CARBOHYDRATES;MULTIVITAMIN;PROTEIN SUPPLEMENT
a10697 GINSENG;MEADOWFOAM OIL;PETROLATUM TOPICAL;SAFFLOWER OIL;SESAME OIL
a10707 SOAP-WATER
a10715 MULTIVITAMIN-SODIUM FLUORIDE
a10716 ERTAPENEM;SODIUM BICARBONATE;SODIUM HYDROXIDE
a10726 POLYETHYLENE GLYCOL 3350;POTASSIUM CHLORIDE;SODIUM BICARBONATE;SODIUM
CHLORIDE;SODIUM SULFATE
a10738 AMPICILLIN-SULBACTIN SODIUM
a10787 CAMPHOR TOPICAL;MINERAL OIL;PETROLATUM TOPICAL;WAX
a10834 CYANOCOBALAMIN;FOLIC ACID;VITAMIN B

a10849 ASCORBIC ACID;FOLIC ACID;VITAMIN B COMPLEX
a10879 PENICILLIN (OBSOLETE)-PENICILLIN G BENZATHINE
a10897 HOMATROPINE METHYL BROMIDE-HYDROCODONE
a10909 ADRENALINE;TETRACAINE TOPICAL;XYLOCAINE
a10928 BENZONATATE-PARABENS
a10947 BIFIDOBACTERIUM BIFIDUM;LACTOBACILLUS ACIDOPHILUS;LACTOBACILLUS
BULGARICUS;LACTOBACILLUS CASEI;LACTOBACILLUS RHAMNOSUS
a10961 BUROW'S SOLUTION;CAMPHOR TOPICAL;MENTHOL TOPICAL;PHENOL TOPICAL
a10962 BENZOCAINE TOPICAL;BUTYL AMINO BENZOATE;TETRACAINE TOPICAL
a10968 MINERAL OIL;MINERAL WAX;PETROLATUM TOPICAL;WOOLWAX ALCOHOL
a10973 ALUMINUM HYDROXIDE;DONNATAL;LIDOCAINE;MAGNESIUM HYDROXIDE;SIMETHICONE
a10991 CHICORY ROOT EXTRACT-LACTOBACILLUS GG
a10995 CALCIUM ACETATE-MAGNESIUM
a11027 ACETAMINOPHEN-MISCELLANEOUS ANALGESICS
a11041 CIPROFLOXACIN-DEXAMETHASONE
a11137 ALUMINUM HYDROXIDE;LIDOCAINE;MAGNESIUM HYDROXIDE;SIMETHICONE
a11138 EPINEPHRINE TOPICAL;LIDOCAINE;TETRACAINE TOPICAL
a11163 POLYMYXIN B SULFATE-TRIMETHOPRIM
a11166 DORZOLAMIDE OPHTHALMIC-TIMOLOL
a11221 AMMONIUM
CHLORIDE;CHLORPHENIRAMINE;DEXTROMETHORPHAN;IPECAC;PHENYLEPHRINE
a11291 CYANOCOBALAMIN;FOLIC ACID;PYRIDOXINE
a11294 CYANOCOBALAMIN-FOLIC ACID
a11298 FOLIC ACID;MULTIVITAMIN;SODIUM CHLORIDE;THIAMINE
a11299 FOLIC ACID;MAGNESIUM SULFATE;MULTIVITAMIN;THIAMINE
a11300 FOLIC ACID-MULTIVITAMIN
a11325 NEOMYCIN-POLYMYXIN B SULFATE
a11328 BACITRACIN TOPICAL;NEOMYCIN;POLYMYXIN B SULFATE
a11331 DEXAMETHASONE OPHTHALMIC;NEOMYCIN;POLYMYXIN B SULFATE
a11350 ERGOCALCIFEROL;NIACIN;RIBOFLAVIN;THIAMINE;VITAMIN A
a11358 ASCORBIC ACID;NIACIN;PYRIDOXINE;RIBOFLAVIN;THIAMINE
a11360 DEXPANTHENOL;NIACIN;PYRIDOXINE;RIBOFLAVIN;THIAMINE
a11394 BACITRACIN TOPICAL-POLYMYXIN B SULFATE
a11396 DEXAMETHASONE OPHTHALMIC;NEOMYCIN OPHTHALMIC;POLYMYXIN B SULFATE
a11429 ASCORBIC ACID;ERGOCALCIFEROL;RIBOFLAVIN;THIAMINE;VITAMIN A
a11436 CHOLECALCIFEROL-VITAMIN A
a11444 GINSENG-VITAMIN E
a11472 CALCIUM CARBONATE-CHOLECALCIFEROL
a11523 NYSTATIN TOPICAL-TRIAMCINOLONE
a11576 ANTIPYRINE OTIC-BENZOCAINE TOPICAL
a11579 ANTIPYRINE OTIC;BENZOCAINE TOPICAL;GLYCERIN OTIC
a11608 BALSAM PERU TOPICAL;BORIC ACID TOPICAL;CASTOR OIL;PETROLATUM
TOPICAL;ZINC OXIDE TOPICAL
a11615 LANOLIN TOPICAL;MINERAL OIL;PETROLATUM TOPICAL
a11648 CHLORHEXIDINE TOPICAL-ISOPROPYL ALCOHOL TOPICAL
a11703 CALCIUM ACETATE-CHOLECALCIFEROL
a11705 CALCIUM ACETATE-MULTIVITAMIN
a11715 MENTHOL TOPICAL-ZINC OXIDE TOPICAL
a11717 BETAMETHASONE TOPICAL-CLOTRIMAZOLE TOPICAL
a11721 HYDROCORTISONE TOPICAL-NYSTATIN TOPICAL
a11724 BACITRACIN TOPICAL;NEOMYCIN TOPICAL;POLYMYXIN B OPHTHALMIC
a11730 BUDESONIDE NASAL-FORMOTEROL
a11741 CAMPHOR TOPICAL;MENTHOL TOPICAL;METHYL SALICYLATE TOPICAL
a11748 BACITRACIN TOPICAL-POLYMYXIN B OPHTHALMIC

a50235	AMMONIA SPIRIT AROMATIC	c00096	MISCELLANEOUS GI AGENTS
a50675	BROMELAINS	c00100	MISCELLANEOUS HORMONES
a50770	CALCIUM REPLACEMENT	c00102	CONTRACEPTIVES
a51030	CHERRY SYRUP	c00105	MISCELLANEOUS AGENTS
a51675	DEXTROSE	c00109	LOCAL INJECTABLE ANESTHETICS
a52023	ELECTROLYTES	c00110	MISCELLANEOUS UNCATEGORIZED AGENTS
a52395	GELATIN	c00117	MINERALS AND ELECTROLYTES
a52535	HAMAMELIS WATER	c00118	ORAL NUTRITIONAL SUPPLEMENTS
a52775	INFANT FORMULA	c00123	ANTIHISTAMINES
a52885	IRON PREPARATIONS	c00124	ANTITUSSIVES
a52968	KELP	c00127	DECONGESTANTS
a53155	LYPRESSIN	c00129	MISCELLANEOUS RESPIRATORY AGENTS
a53175	MAGNESIUM ANTACIDS	c00131	ANTIASTHMATIC COMBINATIONS
a53298	MEGLUMINE	c00135	ANTISEPTIC AND GERMICIDES
a54535	PLACEBO	c00140	MISCELLANEOUS TOPICAL AGENTS
a54555	PNEUMOCOCCAL VACCINE	c00141	TOPICAL STEROIDS WITH ANTI-INFECTIVES
a54655	POTASSIUM REPLACEMENT SOLUTIONS	c00169	MISCELLANEOUS OPHTHALMIC AGENTS
a55115	RINGERS LACTATED	c00172	MISCELLANEOUS OTIC AGENTS
a55218	SILICONE	c00174	MISCELLANEOUS ANTIHYPERLIPIDEMIC AGENTS
a55260	ANTIVENIN SNAKE BITE	c00178	SKELETAL MUSCLE RELAXANTS
a55510	SUCCINLYCHOLINE	c00193	ANTIMIGRAINE AGENTS
a55520	SUCROSE	c00198	MISCELLANEOUS ANTIEMETICS
a56198	VITAMIN K	c00220	HERBAL PRODUCTS
a56265	ZINC TOPICAL AGENTS, EXTERNAL USE	c00296	INHALED CORTICOSTEROIDS
a56345	VITAMIN B COMPLEX	c00301	GLUCOCORTICIODS
a56580	POLOXAMER 188	c00304	MACROLIDES
a57024	MAGNESIUM ION	c00363	PROBIOTICS
a57034	PHOSPHORUS	d00001	ACYCLOVIR
a70159	SILVER	d00002	AMIODARONE
a70385	SILYBUM	d00003	AMPICILLIN
a70732	EPIDURAL	d00004	ATENOLOL
a71008	TECHNETIUM TC 99M MERTIATIDE INJECTION	d00006	CAPTOPRIL
c00012	MISCELLANEOUS ANTIBIOTICS	d00007	CEFAZOLIN
c00027	RADIOPHARMACEUTICALS	d00009	CEFTAZIDIME
c00033	IMMUNE GLOBULINS	d00011	CIPROFLOXACIN
c00039	MISCELLANEOUS BIOLOGICALS	d00012	CODEINE
c00051	MISCELLANEOUS CARDIOVASCULAR AGENTS	d00013	ENALAPRIL
c00058	ANALGESICS	d00014	GENTAMICIN
c00059	MISCELLANEOUS ANALGESICS	d00015	IBUPROFEN
c00061	NONSTEROIDAL ANTI-INFLAMMATORY AGENTS	d00016	LABETALOL
c00070	MISCELLANEOUS ANXIOLYTICS, SEDATIVES AND HYPNOTICS	d00017	MEPERIDINE
c00072	GENERAL ANESTHETICS	d00018	NADOLOL
c00082	ANTICOAGULANTS	d00019	NAPROXEN
c00085	MISCELLANEOUS COAGULATION MODIFIERS	d00021	RANITIDINE
c00088	ANTACIDS	d00022	WARFARIN
c00095	LAXATIVES	d00023	ALLOPURINOL
		d00024	AZATHIOPRINE
		d00027	HALOPERIDOL

d00028	KETOPROFEN	d00115	OXACILLIN
d00029	NAFCILLIN	d00116	PENICILLIN
d00030	PENTAMIDINE	d00119	SULFAMETHOXAZOLE
d00032	PROPRANOLOL	d00123	TRIMETHOPRIM
d00033	SULINDAC	d00124	SULFAMETHOXAZOLE- TRIMETHOPRIM
d00037	DOXYCYCLINE	d00125	VANCOMYCIN
d00039	INDOMETHACIN	d00132	HYDRALAZINE
d00040	OXAZEPAM	d00133	METHYLDOPA
d00041	TETRACYCLINE	d00134	METOPROLOL
d00043	CLINDAMYCIN	d00135	MINOXIDIL
d00044	CLONIDINE	d00136	SODIUM NITROPRUSSIDE
d00045	DILTIAZEM	d00137	PINDOLOL
d00046	ERYTHROMYCIN	d00138	PRAZOSIN
d00048	VERAPAMIL	d00139	TIMOLOL
d00049	ACETAMINOPHEN	d00140	CIMETIDINE
d00050	METHADONE	d00141	FAMOTIDINE
d00051	NIFEDIPINE	d00142	THEOPHYLLINE
d00052	CEFTRIAZONE	d00143	PHENYTOIN
d00055	CEFOTETAN	d00144	NORTRIPTYLINE
d00056	CEFUROXIME	d00146	AMITRIPTYLINE
d00057	PIPERACILLIN	d00148	DIAZEPAM
d00058	CARBAMAZEPINE	d00149	LORAZEPAM
d00059	LIDOCAINE	d00150	COLCHICINE
d00060	METHOTREXATE	d00153	DICLOXACILLIN
d00061	LITHIUM	d00154	MEBENDAZOLE
d00064	CHLORPROMAZINE	d00161	ACETAZOLAMIDE
d00067	AZTREONAM	d00164	ADENOSINE
d00069	TOBRAMYCIN	d00168	ALPRAZOLAM
d00070	FUROSEMIDE	d00170	ASPIRIN
d00071	FLUCONAZOLE	d00174	ATROPINE
d00072	CEFIXIME	d00175	BENZTROPINE
d00073	CEFPROZIL	d00179	BUMETANIDE
d00077	AMPHOTERICIN B	d00180	BUPIVACAINE
d00079	CYCLOSPORINE	d00181	BUPROPION
d00081	CEFACLOR	d00182	BUSPIRONE
d00082	IMIPENEM-CILASTATIN	d00184	CARBIDOPA
d00083	VALPROIC ACID	d00189	CHLORDIAZEPOXIDE
d00084	PREDNISOLONE	d00190	CHLOROTHIAZIDE
d00086	AMANTADINE	d00192	CHLORTHALIDONE
d00088	AMOXICILLIN	d00197	CLONAZEPAM
d00089	AMOXICILLIN-CLAVULANATE	d00198	CLORAZEPATE
d00090	AMPICILLIN-SULBACTAM	d00199	CLOZAPINE
d00091	AZITHROMYCIN	d00200	CROMOLYN
d00094	CEFOXITIN	d00206	DEXAMETHASONE
d00095	CEFPODOXIME	d00207	DEXTROMETHORPHAN
d00096	CEPHALEXIN	d00208	DIFLUNISAL
d00097	CLARITHROMYCIN	d00210	DIGOXIN
d00100	GRISEOFULVIN	d00211	DIHYDROERGOTAMINE
d00101	ISONIAZID	d00212	DIPHENHYDRAMINE
d00103	KETOCONAZOLE	d00215	DOBUTAMINE
d00108	METRONIDAZOLE	d00216	DOPAMINE
d00110	MINOCYCLINE	d00217	DOXEPIN
d00112	NITROFURANTOIN	d00223	EPOETIN ALFA
d00114	OFLOXACIN		

d00224	ESMOLOL	d00355	PROCHLORPERAZINE
d00231	FELODIPINE	d00358	PROPAFENONE
d00233	FENTANYL	d00361	PROPYLTHIOURACIL
d00234	FLECAINIDE	d00363	PYRIDOSTIGMINE
d00236	FLUOXETINE	d00365	QUINAPRIL
d00237	FLUPHENAZINE	d00370	OCTREOTIDE
d00241	FOLIC ACID	d00371	SOTALOL
d00245	GEMFIBROZIL	d00373	SPIRONOLACTONE
d00246	GLIPIZIDE	d00377	SUCRALFATE
d00248	GLYBURIDE	d00379	SULFASALAZINE
d00252	HEPARIN	d00384	TEMAZEPAM
d00253	HYDROCHLOROTHIAZIDE	d00386	TERAZOSIN
d00254	HYDROCORTISONE	d00395	TRAZODONE
d00255	HYDROMORPHONE	d00397	TRIAZOLAM
d00262	INSULIN	d00399	VECURONIUM
d00265	IPRATROPIUM	d00405	VITAMIN E
d00268	ISOSORBIDE DINITRATE	d00412	PYRIDOXINE
d00269	ISOSORBIDE MONONITRATE	d00413	CYANOCOBALAMIN
d00272	KETAMINE	d00425	CALCIUM CARBONATE
d00273	KETOROLAC	d00426	ASCORBIC ACID
d00278	LEVOTHYROXINE	d00427	POTASSIUM PHOSPHATE-SODIUM PHOSPHATE
d00279	LINCOMYCIN	d00428	FLUORIDE
d00280	LOVASTATIN	d00438	SODIUM CHLORIDE
d00282	MANNITOL	d00440	SODIUM BICARBONATE
d00284	MEDROXYPROGESTERONE	d00468	MAGNESIUM SULFATE
d00289	MERCAPTOPYRINE	d00472	TROMETHAMINE
d00290	METHIMAZOLE	d00475	SODIUM PHOSPHATE
d00293	METHYLPREDNISOLONE	d00485	IODINE TOPICAL
d00298	METOCLOPRAMIDE	d00497	OMEGA-3 POLYUNSATURATED FATTY ACIDS
d00299	METOLAZONE	d00512	FILGRASTIM
d00301	MIDAZOLAM	d00521	ALTEPLASE
d00303	MISOPROSTOL	d00525	ANTIHEMOPHILIC FACTOR (OBSOLETE)
d00308	MORPHINE	d00528	AMINOCAPROIC ACID
d00310	NABUMETONE	d00529	TRANEXAMIC ACID
d00311	NALOXONE	d00537	ESTRADIOL
d00312	NEOMYCIN	d00541	CONJUGATED ESTROGENS
d00314	NIACIN	d00555	NORETHINDRONE
d00315	NICARDIPINE	d00557	LEVONORGESTREL
d00316	NICOTINE	d00558	TESTOSTERONE
d00318	NIMODIPINE	d00563	FINASTERIDE
d00321	NITROGLYCERIN	d00569	CLOMIPHENE
d00323	NOREPINEPHRINE	d00583	DESMOPRESSIN
d00325	OMEPRAZOLE	d00584	OXYTOCIN
d00328	OXYBUTYNIN	d00587	METHYLERGONOVINE
d00329	OXYCODONE	d00589	DINOPROSTONE TOPICAL
d00336	PENTOXIFYLLINE	d00593	GLUCAGON
d00337	PHENAZOPYRIDINE	d00595	GLUCOSE
d00340	PHENOBARBITAL	d00598	CALCITONIN
d00345	POTASSIUM CHLORIDE	d00601	PAMIDRONATE
d00346	POVIDONE IODINE TOPICAL	d00608	FLUDROCORTISONE
d00348	PRAVASTATIN		
d00350	PREDNISONE		
d00352	PRIMIDONE		

d00620	TRIAMCINOLONE	d00897	LOXAPINE
d00626	DEXAMETHASONE TOPICAL	d00900	METHYLPHENIDATE
d00628	BETAMETHASONE	d00902	ERGOLOID MESYLATES
d00649	ETHACRYNIC ACID	d00907	HYDROXYZINE
d00651	UREA TOPICAL	d00910	ZOLPIDEM
d00652	GLYCERIN	d00931	ETOMIDATE
d00653	ISOSORBIDE	d00933	PROPOFOL
d00655	THYROID DESICCATED	d00960	CARISOPRODOL
d00683	LIDOCAINE TOPICAL	d00962	CHLORZOXAZONE
d00689	AMLODIPINE	d00963	CYCLOBENZAPRINE
d00699	EPINEPHRINE	d00964	METAXALONE
d00700	EPHEDRINE	d00965	METHOCARBAMOL
d00704	PHENYLEPHRINE	d00966	ORPHENADRINE
d00717	GUANFACINE	d00967	BACLOFEN
d00726	DOXAZOSIN	d00970	TRIHXYPHENIDYL
d00728	RAMIPRIL	d00978	ALUMINUM HYDROXIDE
d00730	BENZAEPHRI	d00982	MAGNESIUM HYDROXIDE
d00732	LISINOPRIL	d00985	HYOSCYAMINE
d00743	SODIUM POLYSTYRENE SULFONATE	d00986	SCOPOLAMINE
d00746	SIMVASTATIN	d00992	GLYCOPYRROLATE
d00749	ALBUTEROL	d00999	DICYCLOMINE
d00752	TERBUTALINE	d01002	PANCRELIPASE
d00758	AMINOPHYLLINE	d01003	PANCREATIN
d00760	BECLOMETHASONE	d01005	URSODIOL
d00762	ACETYLCYSTEINE	d01008	MAGNESIUM CITRATE
d00769	PSEUDOEPHEDRINE	d01013	SENNA
d00772	OXYMETAZOLINE NASAL	d01015	BISACODYL
d00773	TETRAHYDROZOLINE OPHTHALMIC	d01018	PSYLLIUM
d00782	PYRILAMINE	d01019	MINERAL OIL
d00785	BROMPHENIRAMINE	d01021	DOCUSATE
d00787	PROMETHAZINE	d01024	LACTULOSE
d00790	CYPROHEPTADINE	d01025	LOPERAMIDE
d00796	BENZONATATE	d01026	BISMUTH SUBSALICYLATE
d00797	GUAIFENESIN	d01027	SIMETHICONE
d00804	DEXTROAMPHETAMINE	d01028	CHARCOAL
d00806	PHENTERMINE	d01031	MESALAMINE
d00813	BENZOCAINE TOPICAL	d01115	BACITRACIN
d00817	HYDROXYCHLOROQUINE	d01137	TETANUS IMMUNE GLOBULIN
d00833	OXYMORPHONE	d01139	RHO (D) IMMUNE GLOBULIN
d00838	BUTORPHANOL	d01144	ANTIVENIN (CROTALIDAE) POLYVALENT
d00839	NALBUPHINE	d01147	RABIES VACCINE (OBSOLETE)
d00840	BUPRENORPHINE	d01148	RABIES IMMUNE GLOBULIN, HUMAN
d00843	SODIUM SALICYLATE	d01164	INFLUENZA VIRUS VACCINE, INACTIVATED
d00848	DICLOFENAC	d01166	HEPATITIS B VACCINE (OBSOLETE)
d00851	ETODOLAC	d01168	TETANUS TOXOID
d00855	PERPHENAZINE	d01171	TUBERCULIN PURIFIED PROTEIN DERIVATIVE
d00859	MECLIZINE	d01185	APRACLONIDINE OPHTHALMIC
d00861	DIMENHYDRINATE	d01187	LEVOBUNOLOL OPHTHALMIC
d00866	DRONABINOL	d01201	CYCLOPENTOLATE OPHTHALMIC
d00867	ONDANSETRON	d01208	SULFACETAMIDE SODIUM OPHTHALMIC
d00876	CLOMIPRAMINE		
d00880	SERTRALINE		
d00890	TRIFLUOPERAZINE		

d01217	TETRACAINE	d03052	HYDROCHLOROTHIAZIDE- TRIAMTERENE
d01218	PROPARACAINE OPHTHALMIC	d03054	AMYLASE
d01219	FLUORESCEIN OPHTHALMIC	d03056	ATTAPULGITE
d01226	HYDROXYPROPYL METHYLCELLULOSE OPHTHALMIC	d03061	BUTALBITAL
d01231	CHLORHEXIDINE TOPICAL	d03075	HYDROCODONE
d01232	CARBAMIDE PEROXIDE TOPICAL	d03080	LIPASE
d01233	NYSTATIN	d03096	SODIUM BENZOATE
d01238	TERCONAZOLE TOPICAL	d03098	SODIUM CITRATE
d01244	TRETINOIN TOPICAL	d03110	DIPHTH;PERTUSSIS, ACEL;TETANUS (OBSOLETE)
d01259	SILVER SULFADIAZINE TOPICAL	d03116	BISMUTH SUBGALLATE
d01267	MUPIROCIIN TOPICAL	d03126	CALCITRIOL
d01271	ECONAZOLE TOPICAL	d03128	ERGOCALCIFEROL
d01272	CICLOPIROX TOPICAL	d03129	CHOLECALCIFEROL
d01274	TOLNAFTATE TOPICAL	d03130	THIAMINE
d01279	PERMETHRIN TOPICAL	d03133	HYDROXOCOBALAMIN
d01280	CROTAMITON TOPICAL	d03135	PHYTONADIONE
d01288	CLOBETASOL TOPICAL	d03137	CALCIUM-VITAMIN D
d01290	DESONIDE TOPICAL	d03140	MULTIVITAMIN
d01291	DESOXIMETASONE TOPICAL	d03145	MULTIVITAMIN WITH MINERALS
d01293	FLUOCINOLONE TOPICAL	d03148	MULTIVITAMIN, PRENATAL
d01294	FLUOCINONIDE TOPICAL	d03154	DOXYLAMINE
d01296	FLUTICASONE	d03157	PAROXETINE
d01303	PRAMOXINE TOPICAL	d03160	SUMATRIPTAN
d01306	COCAINE TOPICAL	d03162	ETHANOL
d01307	SALICYLIC ACID TOPICAL	d03165	PIPERACILLIN-TAZOBACTAM
d01309	PODOFILOX TOPICAL	d03180	RISPERIDONE
d01315	COLLAGENASE TOPICAL	d03181	VENLAFAXINE
d01319	HYDROQUINONE TOPICAL	d03182	GABAPENTIN
d01321	CAPSAICIN TOPICAL	d03189	TORSEMIDE
d01322	ALUMINUM CHLORIDE HEXAHYDRATE TOPICAL	d03191	TERBINAFINE TOPICAL
d01335	SODIUM HYPOCHLORITE TOPICAL	d03192	ZINC OXIDE TOPICAL
d01336	OXYCHLOROSENE SODIUM TOPICAL	d03195	MICONAZOLE TOPICAL
d01348	MEGESTROL	d03197	BETAMETHASONE TOPICAL
d01354	GOSERELIN	d03200	ERYTHROMYCIN TOPICAL
d01373	HYDROXYUREA	d03202	KETOCONAZOLE TOPICAL
d01389	DISULFIRAM	d03203	MINOXIDIL TOPICAL
d01398	MEPIVACAINE	d03205	HYDROCORTISONE TOPICAL
d01406	NALTREXONE	d03206	TRIAMCINOLONE TOPICAL
d01407	FLUMAZENIL	d03210	SELENIUM SULFIDE TOPICAL
d01423	POTASSIUM CITRATE	d03211	CIPROFLOXACIN OPHTHALMIC
d01445	BARIUM SULFATE	d03220	FLURBIPROFEN OPHTHALMIC
d01456	IOHEXOL	d03221	PREDNISOLONE OPHTHALMIC
d01461	IOPAMIDOL	d03222	TOBRAMYCIN OPHTHALMIC
d01469	IOVERSOL	d03238	ETHINYL ESTRADIOL- NORETHINDRONE
d01473	DIATRIZOATE	d03241	ETHINYL ESTRADIOL-NORGESTREL
d02376	ALBUMIN HUMAN	d03242	ETHINYL ESTRADIOL- LEVONORGESTREL
d03008	INTERFERON GAMMA-1B	d03247	HYDROCHLOROTHIAZIDE- SPIRONOLACTONE
d03034	NORGESTREL		
d03041	ENOXAPARIN		
d03050	LORATADINE		

d03266	HYDROCHLOROTHIAZIDE-LISINOPRIL	d03456	ACETAMINOPHEN-BUTALBITAL
d03292	IBUPROFEN-PSEUDOEPHEDRINE	d03457	ASPIRIN;BUTALBITAL;CAFFEINE
d03297	ACETAMINOPHEN-PHENYLTOLOXAMINE	d03462	AMITRIPTYLINE-CHLORDIAZEPOXIDE
d03301	BROMPHENIRAMINE-PSEUDOEPHEDRINE	d03473	CARBIDOPA-LEVODOPA
d03302	BROMPHENIRAMINE-PHENYLPROPANOLAMINE	d03474	ALUMINIUM HYDROXIDE-MAGNESIUM HYDROXIDE
d03313	CHLORPHENIRAMINE;PHENYLEPHRINE;PYRILAMINE	d03478	AL HYDROXIDE;MG HYDROXIDE;SIMETHICONE
d03317	PHENYLEPHRINE-PROMETHAZINE	d03485	ATROPINE;HYOSCYAMINE;PB;SCOPOLAMINE
d03322	ASA;CHLORPHENIRAMINE;PHENYLPROPANOLAMINE	d03496	DOCUSATE-SENNA
d03331	ACETAMINOPHEN;CHLORPHENIRAMINE;PHENYLEPHRINE	d03498	CASANTHRANOL-DOCUSATE
d03340	HOMATROPINE-HYDROCODONE	d03506	ATROPINE-DIPHENOXYLATE
d03349	ACETAMINOPHEN;DEXTROMETHORPHAN;DOXYLAMINE;PSE	d03509	ERYTHROMYCIN-SULFISOXAZOLE
d03356	CHLORPHENIRAMINE-HYDROCODONE	d03524	BACITRACIN;NEOMYCIN;POLYMYXIN B TOPICAL
d03357	CODEINE-PROMETHAZINE	d03536	DEXAMETHASONE-TOBRAMYCIN OPHTHALMIC
d03359	CHLORPHENIRAMINE-DEXTROMETHORPHAN	d03546	HYDROCORTISONE-PRAMOXINE TOPICAL
d03360	DEXTROMETHORPHAN-PROMETHAZINE	d03555	HYDROCORTISONE-NEOMYCIN TOPICAL
d03364	CODEINE;PHENYLEPHRINE;PROMETHAZINE	d03561	BETAMETHASONE-CLOTRIMAZOLE TOPICAL
d03368	BROMPHENIRAMINE;DEXTROMETHORPHAN;PSE	d03562	NYSTATIN-TRIAMCINOLONE TOPICAL
d03379	GUAIFENESIN-PSEUDOEPHEDRINE	d03600	POTASSIUM BICARBONATE
d03393	CODEINE-GUAIFENESIN	d03618	HYOSCYAMINE;METHENAM;M-BLUE;PHENYL SALICYL
d03394	CODEINE-IODINATED GLYCEROL	d03632	CETYLPYRIDINIUM TOPICAL
d03396	GUAIFENESIN-HYDROCODONE	d03634	BENZOCAINE-CETYLPYRIDINIUM TOPICAL
d03400	DEXTROMETHORPHAN-GUAIFENESIN	d03640	BUDESONIDE NASAL
d03408	DEXTROMETHORPHAN;GUAIFENESIN;PHENYLEPHRINE	d03641	PETROLATUM TOPICAL
d03411	DEXTROMETHORPHAN;GUAIFENESIN;PPA	d03644	LACTOBACILLUS ACIDOPHILUS
d03423	ACETAMINOPHEN-CODEINE	d03647	ISOPROPYL ALCOHOL TOPICAL
d03425	ACETAMINOPHEN;BUTALBITAL;CAFFEINE;CODEINE	d03649	BENZOIN TOPICAL
d03426	ASPIRIN;BUTALBITAL;CAFFEINE;CODEINE	d03653	CALAMINE TOPICAL
d03428	ACETAMINOPHEN-HYDROCODONE	d03655	LIDOCAINE-PRILOCAINE TOPICAL
d03431	ACETAMINOPHEN-OXYCODONE	d03664	PHENOL TOPICAL
d03439	ACETAMINOPHEN;ASPIRIN;CAFFEINE	d03665	MENTHOL TOPICAL
d03455	ACETAMINOPHEN;BUTALBITAL;CAFFEINE	d03668	METHYL SALICYLATE TOPICAL
		d03669	MENTHOL-METHYL SALICYLATE TOPICAL
		d03684	THROMBIN TOPICAL
		d03689	CALCIUM ACETATE
		d03692	BENZYL PENICILLOYL-POLYLYSINE
		d03697	BALSAM PERU TOPICAL
		d03707	ALOE VERA TOPICAL
		d03713	CAMPHOR-PHENOL TOPICAL
		d03744	BISOPROLOL-HYDROCHLOROTHIAZIDE
		d03752	TACROLIMUS

d03756	BACITRACIN TOPICAL	d03953	ELECTROLYTE REPLACEMENT SOLUTIONS, ORAL
d03759	SALMETEROL	d03964	BACITRACIN;NEOMYCIN; POLYMYXIN B OPHTHALMIC
d03766	ROCURONIUM	d03973	ERYTHROMYCIN OPHTHALMIC
d03768	OCULAR LUBRICANT	d03974	GENTAMICIN OPHTHALMIC
d03770	EMOLLIENTS, TOPICAL	d03976	HYDROCORTISONE OTIC
d03775	FAMCICLOVIR	d03977	OFLOXACIN OPHTHALMIC
d03781	ETHINYL ESTRADIOL-NORGESTIMATE	d03981	TETRACAINE OPHTHALMIC
d03782	DESOGESTREL-ETHINYL ESTRADIOL	d03982	TETRACAINE TOPICAL
d03783	BUPIVACAINE-EPINEPHRINE	d03984	RITONAVIR
d03784	EPINEPHRINE-LIDOCAINE	d03986	GANCICLOVIR OPHTHALMIC
d03790	POTASSIUM PHOSPHATE	d03990	CARBAMIDE PEROXIDE OTIC
d03796	MAGNESIUM CHLORIDE	d03998	STERILE WATER
d03797	MAGNESIUM OXIDE	d04003	HYDROGEN PEROXIDE TOPICAL
d03798	MAGNESIUM GLUCONATE	d04012	TERBINAFINE
d03804	FLUVOXAMINE	d04016	IODIXANOL
d03805	DORZOLAMIDE OPHTHALMIC	d04017	LATANOPROST OPHTHALMIC
d03806	ALBENDAZOLE	d04025	MIRTAZAPINE
d03807	METFORMIN	d04027	MEROPENEM
d03809	LAMOTRIGINE	d04035	AMPHETAMINE-DEXTROAMPHETAMINE
d03817	CALCIUM GLUBIONATE	d04037	TIMOLOL OPHTHALMIC
d03818	LORATADINE-PSEUDOEPHEDRINE	d04040	FEXOFENADINE
d03821	LOSARTAN	d04041	FOSPHENYTOIN
d03824	FERROUS SULFATE	d04047	MIDODRINE
d03826	TRAMADOL	d04048	BRIMONIDINE OPHTHALMIC
d03827	CETIRIZINE	d04049	AMMONIUM LACTATE TOPICAL
d03828	LANSOPRAZOLE	d04050	OLANZAPINE
d03829	AMLODIPINE-BENAZEPRIL	d04056	ZINC GLUCONATE
d03830	HYDROCHLOROTHIAZIDE-LOSARTAN	d04057	ZINC SULFATE
d03832	VARICELLA VIRUS VACCINE	d04058	MELATONIN
d03833	DIVALPROEX SODIUM	d04066	ALBUTEROL-IPRATROPIUM
d03838	VALACYCLOVIR	d04068	AZELASTINE NASAL
d03839	MYCOPHENOLATE MOFETIL	d04083	GADODIAMIDE
d03843	GADOTERIDOL	d04090	LACTIC ACID TOPICAL
d03845	SEVOFLURANE	d04099	DONEPEZIL
d03846	ACARBOSE	d04102	TIZANIDINE
d03847	CARVEDILOL	d04105	ATORVASTATIN
d03849	ALENDRONATE	d04106	FOSFOMYCIN
d03850	BICALUTAMIDE	d04109	LEVOFLOXACIN
d03858	LAMIVUDINE	d04112	CABERGOLINE
d03864	GLIMEPIRIDE	d04113	VALSARTAN
d03873	ANASTROZOLE	d04115	TOPIRAMATE
d03882	CEFEPIME	d04117	OLOPATADINE OPHTHALMIC
d03897	LACTASE	d04121	TAMSULOSIN
d03898	SODIUM CHLORIDE, HYPERTONIC, OPHTHALMIC	d04125	IMIQUIMOD TOPICAL
d03904	BALSAM PERU;CASTOR OIL;TRYPSIN TOPICAL	d04138	TAZAROTENE TOPICAL
d03920	FERROUS FUMARATE	d04145	PRAMIPEXOLE
d03927	BACITRACIN OPHTHALMIC	d04156	LETROZOLE
		d04159	SORBITOL
		d04160	SODIUM BIPHOSPHATE-SODIUM PHOSPHATE

d04172 CALAMINE-PRAMOXINE TOPICAL	d04387 SODIUM FERRIC GLUCONATE COMPLEX
d04192 COLISTIN;HC;NEOMYCIN; THONZONIUM OTIC	d04395 CLOTRIMAZOLE TOPICAL
d04196 BACITRACIN;HC; NEOMYCIN;POLYMYXIN B TOPICAL	d04397 FLUORIDE TOPICAL
d04197 HYDROCORTISONE; NEOMYCIN;POLYMYXIN B TOPICAL	d04399 NYSTATIN TOPICAL
d04208 SILVER NITRATE TOPICAL	d04417 CREATINE
d04215 ROPINIROLE	d04418 GLUCOSAMINE
d04220 QUETIAPINE	d04420 CHONDROITIN-GLUCOSAMINE
d04222 IRBESARTAN	d04427 LEVALBUTEROL
d04223 MOMETASONE NASAL	d04437 BALSAM PERU-CASTOR OIL TOPICAL
d04225 HYDROCODONE-IBUPROFEN	d04441 KETOTIFEN OPHTHALMIC
d04233 TRIAMCINOLONE NASAL	d04442 PIOGLITAZONE
d04242 SODIUM CHLORIDE NASAL	d04453 SIROLIMUS
d04248 METHYLCELLULOSE	d04459 DOFETILIDE
d04249 CELLULOSE	d04461 EXEMESTANE
d04253 ZOLMITRIPTAN	d04462 OSELTAMIVIR
d04256 CEFDINIR	d04470 CRANBERRY
d04258 CLOPIDOGREL	d04481 ROYAL JELLY
d04267 REPAGLINIDE	d04497 ASPIRIN-DIPYRIDAMOLE
d04270 FEXOFENADINE- PSEUDOEPHEDRINE	d04499 LEVETIRACETAM
d04275 BECLOMETHASONE NASAL	d04500 MOXIFLOXACIN
d04276 BUDESONIDE	d04505 DEXMEDETOMIDINE
d04283 FLUTICASONE NASAL	d04513 OXCARBAZEPINE
d04284 FLUTICASONE TOPICAL	d04514 PANTOPRAZOLE
d04285 NARATRIPTAN	d04523 UBIQUINONE
d04286 FENOFIBRATE	d04527 ZONISAMIDE
d04287 CIPROFLOXACIN OTIC	d04532 MELOXICAM
d04289 MONTELUKAST	d04534 LINEZOLID
d04292 LOTEPREDNOL OPHTHALMIC	d04537 RIVASTIGMINE
d04293 HYDROCHLOROTHIAZIDE- VALSARTAN	d04538 INSULIN GLARGINE
d04294 TOLTERODINE	d04541 AZELASTINE OPHTHALMIC
d04298 PHENYLEPHRINE TOPICAL	d04557 CLOBAZAM
d04299 SILDENAFIL	d04611 FLUTICASONE-SALMETEROL
d04312 PARICALCITOL	d04654 DOXYLAMINE-PYRIDOXINE
d04315 TIROFIBAN	d04674 DIPHTH;HAEMOPHILUS; PERTUSSIS;TETANUS;POLIO
d04328 RIZATRIPTAN	d04695 COLESEVELAM
d04332 CITALOPRAM	d04697 INSULIN ASPART
d04342 INFLIXIMAB	d04711 CANDESARTAN- HYDROCHLOROTHIAZIDE
d04344 ROTAVIRUS VACCINE	d04723 CALCIUM CARBONATE;FAMOTIDINE; MG HYDROXIDE
d04349 LEFLUNOMIDE	d04725 IRON SUCROSE
d04362 COPPER GLUCONATE	d04737 HYDROCHLOROTHIAZIDE- TELMISARTAN
d04363 SEVELAMER	d04740 TACROLIMUS TOPICAL
d04364 TELMISARTAN	d04742 BENZOYL PEROXIDE-CLINDAMYCIN TOPICAL
d04369 INSULIN REGULAR	d04743 NATEGLINIDE
d04370 INSULIN ISOPHANE (NPH)	d04747 ZIPRASIDONE
d04373 INSULIN LISPRO	d04749 ESOMEPRAZOLE
d04376 ABACAVIR	d04753 TRAVOPROST OPHTHALMIC
d04378 MODAFINIL	
d04380 CELECOXIB	
d04382 CILOSTAZOL	

d04758	IMATINIB	d05338	DIPHThERIA-TETANUS TOXOIDS (DT) PED
d04760	DROSPIRENONE-ETHINYL ESTRADIOL	d05346	GADOBUTROL
d04764	CETIRIZINE-PSEUDOEPHEDRINE	d05348	EZETIMIBE-SIMVASTATIN
d04766	ACETAMINOPHEN-TRAMADOL	d05350	POLYETHYLENE GLYCOL 3350
d04771	DARBEPOETIN ALFA	d05352	EMTRICITABINE-TENOFOVIR
d04772	ETONOGESTREL	d05354	ABACAVIR-LAMIVUDINE
d04773	ETHINYL ESTRADIOL-ETONOGESTREL	d05355	DULOXETINE
d04777	DEXMETHYLPHENIDATE	d05366	ACETAMINOPHEN; DEXTROMETHORPHAN; DOXYLAMINE
d04783	ERTAPENEM	d05413	SOLIFENACIN
d04796	PERFLUTREN	d05414	NATALIZUMAB
d04801	OLMESARTAN	d05421	ESZOPICLONE
d04804	CHARCOAL-SORBITOL	d05428	GADOBENATE DIMEGLUMINE
d04812	ESCITALOPRAM	d05436	INSULIN DETEMIR
d04815	EPLERENONE	d05487	MICAFUNGIN
d04819	BUPRENORPHINE-NALOXONE	d05508	PREGABALIN
d04824	EZETIMIBE	d05526	ALENDRONATE-CHOLECALCIFEROL
d04825	ARIPIRAZOLE	d05540	HYDRALAZINE-ISOSORBIDE DINITRATE
d04829	TIOTROPIUM	d05541	LIDOCAINE-TETRACAINE TOPICAL
d04832	DIPHThERIA;HEPB;PERTUSSIS, ACEL;POLIO;TETANUS	d05578	RAMELTEON
d04835	ADALIMUMAB	d05646	SACCHAROMYCES BOULARDII LYO
d04836	CYCLOSPORINE OPHTHALMIC	d05649	CEFTRIAXONE-LIDOCAINE
d04844	CAMPHOR-MENTHOL TOPICAL	d05719	RANOLAZINE
d04848	INULIN	d05736	LUBIPROSTONE
d04849	ELETRIPTAN	d05773	L-METHYLFOLATE
d04851	ROSUVASTATIN	d05776	IODINE
d04878	HYDROCHLOROTHIAZIDE-OLMESARTAN	d05778	ACETAMINOPHEN; DEXTROMETHORPHAN; GUAIFENESIN;PE
d04882	ATAZANAVIR	d05781	TETANUS;DIPHTH;PERTUSS (TDAP) ADULT;ADOL
d04884	EMTRICITABINE	d05807	VARENICLINE
d04890	CIPROFLOXACIN-DEXAMETHASONE OTIC	d05815	FLUORESCEIN
d04894	DAPTOMYCIN	d05825	DARUNAVIR
d04896	TADALAFIL	d05847	EFAVIRENZ;EMTRICITABINE; TENOFOVIR
d04899	MEMANTINE	d05851	LEVOCETIRIZINE
d04911	PENTAFLUOROPROPANE-TETRAFLUROETHANE TOPICAL	d05866	GUAR GUM
d04917	FLUOXETINE-OLANZAPINE	d05869	PROTHROMBIN COMPLEX
d04920	PNEUMOCOCCAL 7-VALENT CONJUGATE VACCINE	d05893	ARFORMOTEROL
d04921	TETANUS-DIPHTH TOXOIDS (TD) ADULT;ADOL	d05896	SITAGLIPTIN
d04986	ACAMPROSATE	d06297	PALIPERIDONE
d05218	CINACALCET	d06370	TURMERIC
d05225	LACTOBACILLUS RHAMNOSUS	d06663	LISDEXAMFETAMINE
d05265	NEBIVOLOL	d06720	METFORMIN-SITAGLIPTIN
d05283	BRIMONIDINE-TIMOLOL OPHTHALMIC	d06848	LUTEIN
d05294	RIFAXIMIN	d06851	AZITHROMYCIN OPHTHALMIC
d05337	PNEUMOCOCCAL 23-POLYVALENT VACCINE	d06860	OXYGEN
		d06867	BIOTIN
		d06905	AMLODIPINE-OLMESARTAN

d07048	RALTEGRAVIR	d08069	ADO-TRASTUZUMAB EMTANSINE
d07076	ETRAVIRINE	d08080	CANAGLIFLOZIN
d07113	DESVENLAFAXINE	d08086	BRIMONIDINE-BRINZOLAMIDE OPHTHALMIC
d07131	REGADENOSON	d08100	FLUTICASONE-VILANTEROL
d07132	OLOPATADINE NASAL	d08117	DOLUTEGRAVIR
d07135	METHYLNALTREXONE	d08125	VORTIOXETINE
d07137	DABIGATRAN	d08247	APREMILAST
d07349	LACOSAMIDE	d08342	PALBOCICLIB
d07354	SILODOSIN	d08369	SACUBITRIL-VALSARTAN
d07356	RIVAROXABAN	n00011	LIDOCAINE;BELLADONNA; ALUMINUM HYDROXIDE- MAGNESIUM HYDROXIDE
d07357	ELTROMBOPAG	n08012	PACKED RED BLOOD CELLS
d07371	FENOFIBRIC ACID	n08029	CODEINE;ACETAMINOPHEN; CAFFEINE;BUTALBITAL
d07393	ICATIBANT	n08069	IODOFORM
d07395	DEXLANSOPRAZOLE	n08138	LIDOCAINE-CEFTRIAZONE
d07397	FEBUXOSTAT	n08222	VITAMIN A-ASCORBIC ACID
d07409	PRASUGREL	n08258	TETROFOSMIN
d07458	DRONEDARONE	n09001	RADIOCONTRAST AGENTS
d07466	LIRAGLUTIDE	n09012	BUPIVACAINE- METHYLPREDNISOLONE
d07473	ASENAPINE	n09134	THIAMINE-FOLIC ACID
d07495	ULIPRISTAL	n09135	LIDOCAINE; EPINEPHRINE;TETRACAINE
d07634	DUTASTERIDE-TAMSULOSIN	n09189	RIVAROXABAN
d07640	DENOSUMAB	n11008	CANNABIS (MEDICAL MARIJUANA)
d07660	FORMOTEROL-MOMETASONE	n11009	TNF ALPHA INHIBITOR
d07668	AMLODIPINE; HYDROCHLOROTHIAZIDE; OLMESARTAN	n11015	HYPOCHLOROUS ACID
d07685	CARBOXYMETHYLCELLULOSE	n12004	FOLIC ACID;ASCORBIC ACID;NIACIN;THIAMINE; RIBOFLAVIN;PYRIDOXINE; CYANOCOBALAMIN;PANTO- THENATE;BIOTIN
d07705	LURASIDONE	n14005	BUPROPION-NALTREXONE
d07709	METFORMIN-SAXAGLIPTIN	n14008	EMPAGLIFLOZIN
d07721	TICAGRELOR	n14010	ABACAVIR;DOLUTEGRAVIR; LAMIVUDINE
d07727	PENICILLIN G BENZATHINE	n15002	HALOPERIDOL; DIPHENHYDRAMINE;LORAZEPAM
d07740	VILAZODONE	n15012	PALBOCICLIB
d07754	AZILSARTAN	n16004	DULAGLUTIDE
d07764	FAMOTIDINE-IBUPROFEN	n16005	SUVOREXANT
d07767	LINAGLIPTIN	n16009	BREXPIRAZOLE
d07796	EMTRICITABINE; RILPIVIRINE;TENOFVIR	n16011	EVOLOCUMAB
d07804	APIXABAN	n16013	DALBAVANCIN
d07824	VISMODEGIB	n16015	VALSARTAN
d07825	LINAGLIPTIN-METFORMIN		
d07868	AZELASTINE-FLUTICASONE NASAL		
d07876	MIRABEGRON		
d07885	ACLIDINIUM		
d07897	COBICISTAT		
d07899	COBICISTAT;ELVITEGRAVIR; EMTRICITABINE;TENOFVIR		
d07902	LINACLOTIDE		
d07928	DAPAGLIFLOZIN		
d08054	INSULIN DEGLUDEC		

B. DRUG ENTRY CODES AND NAMES IN NUMERIC ORDER

00002 TAMIFLU	00313 DIGITEK
00004 LIDODERM PATCH	00329 DTAP-HEPB-IPV
00009 BICILLIN L-A	00332 XOPENEX HFA
00013 MYCOPHENOLATE MOFETIL	00337 DTAP/IPV/HIB
00017 SIROLIMUS	00338 ACETYLCYSTEINE
00022 PREVNAR	00341 TDAP
00029 DOSTINEX	00358 FLORINEF
00032 EXCEDRIN MIGRAINE	00361 FLOVENT HFA
00036 MAALOX PLUS	00377 CETAPHIL LOTION
00042 PROTONIX	00397 BUPIVACAINE/DEPOMEDROL
00043 D-50-W	00418 MVD COCKTAIL
00047 DONNATAL ELIXIR	00486 ACTIVASE
00048 MOBIC	00515 ADAPT
00052 SILDENAFIL CITRATE	00535 ADENOSINE
00053 TAMSULOSIN HYDROCHLORIDE	00560 ADRENALIN
00059 RHO IMMUNE GLOBULIN	00590 ADSORBONAC
00064 D5 1/2 NS WITH KCL	00597 ADVIL
00076 TRILEPTAL	00645 AFRIN
00078 AGGRENOX	00785 ALCAINE
00080 CARBIDOPA-LEVODOPA	00790 ALCOHOL
00081 EXELON	00805 ALCOHOL RUBBING
00084 PREGABALIN	00825 ALDACTAZIDE
00101 ISOSORBIDE DINITRATE	00830 ALDACTONE
00102 ISOSORBIDE MONONITRATE	00845 ALDOMET
00113 ANDROGEL	00885 ALKA-SELTZER PLUS
00117 CRANBERRY	00980 ALLERGY RELIEF OR SHOTS
00123 NICOTINE	01001 CLARITIN D
00125 AVELOX	01002 NEXIUM
00149 D51/2 NS	01003 ANAPROX DS
00150 NICODERM CQ PATCH	01007 TIKOSYN
00154 CHILDREN'S IBUPROFEN	01008 ZONEGRAN
00164 FIBRINOGEN (HUMAN)	01012 BUDESONIDE
00167 NOVOLIN N	01017 BACTRIM DS
00169 KETOROLAC TROMETHAMINE	01019 NIFEDICAL XL
00184 KEPPRA	01020 OPTIVAR
00198 ENOXAPARIN SODIUM	01021 BUTORPHANOL TARTRATE
00208 CELECOXIB	01022 METOPROLOL TARTRATE
00213 PANTOPRAZOLE SODIUM	01024 RABAVERT
00218 CARBAMIDE PEROXIDE	01029 EFFEXOR XR
00231 FER-GEN-SOL	01030 ALLOPURINOL
00233 CONCERTA	01032 TPA
00253 LISPRO	01034 ADVAIR DISKUS
00260 ACETAMINOPHEN	01036 GEODON
00268 MOMETASONE FUROATE	01037 GLUCOTROL XL
00269 SUCCINYLCHOLINE CHLORIDE	01042 REPAGLINIDE
00273 PROVIGIL	01043 ZIPRASIDONE HCL
00274 QVAR	01044 Z-PAK
00280 ACETAMINOPHEN W/CODEINE	01047 IRBESARTAN
00283 ACETAMINOPHEN W/OXYCODONE	01053 AMPICILLIN AND SULBACTAM
00295 ACETAZOLAMIDE	01055 ORAPRED
00303 ZICAM	01057 DETROL LA

01064 WELLBUTRIN SR	01983 ANESTHETIC
01073 MAXALT-MLT	02013 BENICAR
01076 STARLIX	02018 FOCALIN
01087 PROTOPIC	02026 YASMIN
01094 CARDIZEM CD	02027 GLUCAGEN
01106 LUTEIN	02036 EXTRA STRENGTH TYLENOL
01111 TRAVATAN	02037 LEVETIRACETAM
01116 ZYVOX	02042 DUONEB
01119 INDERAL LA	02047 AUGMENTIN ES
01124 ULTRACET	02054 TRIMETHOPRIM
01167 KRISTALOSE	SULFATE/POLYMYXIN B SULFAT
01173 D5 LR	02056 XAP
01189 BIAXIN XL	02064 INVANZ
01193 HALOPERIDOL DECONATE	02076 MAPAP
01196 MOXIFLOXACIN	02077 MEROPENEM
01197 AMBISOME	02079 NITROGLYCERIN SUBLINGUAL
01207 LITHIUM CARBONATE	02080 ANTACID
01210 NYSTATIN W/HYDROCORTISONE	02087 SOAPSUDS ENEMA
01214 LANTUS	02092 MUPIROCIN CALCIUM OINTMENT
01216 OXCARBAZEPINE	02099 DEPAKOTE ER
01225 ALUMINUM HYDROXIDE	02104 MAGNESIUM HYDROXIDE
01228 BECLOMETHASONE DIPROPIONATE	02117 PLAN B
01235 ALUMINUM MAGNESIUM HYDROXIDE	02119 LEXAPRO
01242 CEFAZOLIN SODIUM	02127 BANANA BAG
01246 RIZATRIPTAN BENZOATE	02128 BENZONATATE
01250 ALUMINUM-MAGNESIUM HYDROX W/SIMETHICONE	02129 CLORAZEPATE DIPOTASSIUM
01253 ALUM/MAG HYDROX/SIMETHI	02131 ESOMEPRAZOLE MAGNESIUM
01257 BARRIER OINTMENT	02134 PEDIALYTE FREEZER POPS
01259 MILK THISTLE	02135 ANTI-ITCH
01264 DEPACON	02138 MAALOX W/ VISCOUS LIDOCAINE
01266 INSULIN GLARGINE	02140 THIAMINE HCL
01275 ZONISAMIDE	02143 FOLTX
01281 ADDERALL XR	02146 ADOXA
01282 LATANOPROST	02153 VITAMIN B12/FOLIC ACID
01290 AMANTADINE	02156 GLEEVEC
01303 TIROFIBAN HCL	02158 ANTIBIOTIC AGENT
01307 DORZOLAMIDE AND TIMOLOL	02161 PRINCIPEN
01308 METHYLERGONOVINE MALEATE	02187 ALPHAGAN P
01312 CETYLPYRIDINIUM CHLORIDE	02203 ABILIFY
01375 AMICAR	02209 NOVOLOG
01378 AMIDATE	02215 ANTISEPTIC SOLUTION
01450 AMINOPHYLLINE	02217 ARANESP
01530 AMITRIPTYLINE	02223 ZETIA
01532 AMITRIPTYLINE/CHLORDIAZEPOXIDE	02231 ADALAT CC
01563 AMMONIA INHALANTS	02232 BENEFIBER
01630 AMOXICILLIN	02240 ANTIVENIN SNAKE BITE
01635 AMOXICILLIN TRIHYDRATE	02243 BICALUTAMIDE
01640 AMOXIL	02244 CALAN SR
01685 AMPICILLIN	02247 FLOXIN OTIC
01775 ANALGESIC	02250 ANTIVERT
01838 ANAPROX	02256 ESCITALOPRAM OXALATE
01865 ANCEF	02279 PULMICORT
01975 ANECTINE	02290 CERVIDIL
	02292 VENOFER

02310 ANUSOL	03229 RED YEAST RICE
02311 PIOGLITAZONE HCL	03234 TERAZOL 3
02314 LORTAB ELIXIR	03247 COLESEVELAM HCl
02315 ANUSOL-HC	03251 RANITIDINE HCl
02326 CALCIUM GLUBIONATE	03272 METOPROLOL SUCCINATE
02333 ROXICODONE	03273 NOVOLIN R
02335 APAP	03276 SUBOXONE
02347 CALMOSEPTINE	03283 CEFDINIR
02351 FEMARA	03295 B COMPLEX W/VITAMIN C
02364 CALCITRATE	03309 PROVENTIL HFA
02370 APLISOL	03313 EPIDURAL ANESTHESIA TRAY
02396 VARICELLA VIRUS VACCINE	03318 HEPARIN SODIUM
02405 APRESOLINE	03319 TRAMADOL HCL
02465 AQUAMEPHYTON	03329 FERRLECIT
02470 AQUAPHOR	03332 BENADRYL ALLERGY
02575 ARISTOCORT	03361 PASSION FLOWER
02705 ASCORBIC ACID	03368 LINEZOLID
02805 ASPIRIN	03371 ALTEPLASE
02875 ATARAX	03381 MELOXICAM
02900 ATIVAN	03399 BROMELAINS
02940 ATROPINE	03410 BACITRACIN
02950 ATROPINE SULFATE	03415 BACITRACIN-NEOMYCIN-POLYMYXIN
02982 ATROVENT	03420 BACITRACIN-POLYMYXIN
02995 AURALGAN	03421 DARBEPOETIN ALFA
03006 GI COCKTAIL W/DONNATAL	03423 BACLOFEN
03012 DEPAKOTE SPRINKLE	03427 HUMIRA
03019 REYATAZ	03428 EMTRICITABINE
03039 IMODIUM A-D	03430 BACTRIM
03046 NEPRO	03434 HYOSCYAMINE
03056 CITROMA	03437 POLYETHYLENE GLYCOL- ELECTROLYTE SOLUTIO
03057 MEGESTROL ACETATE	03438 BACTROBAN
03079 CROFAB	03443 AQUACEL AG
03081 AMOXICILLIN AND CLAVULANATE POTASSIUM	03490 BALSAM PERU NF
03084 SYSTANE	03590 BARIUM
03091 AZELASTINE HCL	03700 BECLOMETHASONE
03099 CILOSTAZOL	03825 BELLADONNA W/PHENOBARBITAL
03115 AYR SALINE MIST	03905 BENADRYL
03117 AZACTAM	04000 BENTYL
03123 AZATHIOPRINE	04006 AKWA TEARS OPHTHALMIC OINTMENT
03134 RESTASIS	04011 NAMENDA
03141 LISINOPRIL/HCTZ	04014 ARIPIPRAZOLE
03184 WELLBUTRIN XL	04021 BENICAR HCT
03187 CRESTOR	04023 BISOPROLOL/HCTZ
03188 MUCINEX	04041 ALBUTEROL/ATROVENT
03189 ORTHO-TRICYCLEN LO	04042 SPIRIVA
03192 VIGAMOX	04044 CIPROFLOXACIN EYE SOLUTION
03197 CIPRODEX	04049 CULTURELLE
03201 MEMANTINE	04051 CYMBALTA
03207 PHENYTEK	04058 DIALYVITE
03209 ATAZANAVIR SULFATE	04059 DOCUSATE -SENNA
03211 CIALIS	04070 BENZOIN
03226 ENALAPRIL MALEATE	

04079	GLYCOLAX	04664	MIRENA
04114	VYTORIN	04680	MAGNOX
04120	BETADINE	04683	NARATRIPTAN HYDROCHLORIDE
04135	BETADINE VAGINAL GEL	04803	BROMFED
04146	EZETIMIBE	04845	BROMPHENIRAMINE
04154	SILVER NITRATE STICK	04858	BROMPHENIRAMINE W/PHENYLPROPANOLAMINE
04170	BETAMETHASONE	04873	BRONCHODILATOR
04175	METFORMIN HYDROCHLORIDE ER	05012	PRESERVISION
04176	SENNA-S	05024	BUMEX
04178	TESSALON	05033	LUNESTA
04187	XENADERM	05035	BUPIVACAINE
04199	CALCIUM MAGNESIUM CHELATED	05051	VESICARE
04225	BICARBONATE OF SODA	05056	ZEGERID
04235	BICILLIN	05066	CAMPRAL
04236	DEEP SEA NASAL SPRAY	05081	OXYIR
04240	BICILLIN C-R	05095	BUTALBITAL
04241	EXCEL	05097	LYRICA
04244	FLORAJEN	05099	CLOTRIMAZOLE-BETAMETHASONE DIPROPIONAT
04246	FLORASTOR	05104	GICOCKTAIL W/LIDOCAINE
04278	RISPERDAL CONSTA	05124	ENPRESSE
04282	ZEMPLAR	05166	RADIOPAQUE DYE
04292	SENSIPAR	05197	LOSARTAN-HCTZ
04299	TURMERIC	05207	CEFUROXIME AXETIL
04307	SENNOSIDES	05218	CICLOPIROX
04327	BOUDREAUX'S BUTT PASTE	05223	HOMATROPINE-HYDROCODONE
04344	HYPROMELLOSE	05224	FLUORETS
04345	BIOTIN	05244	ROZEREM
04368	CONTRACEPTIVE AGENT	05258	CHLORAPREP
04370	BISACODYL	05261	SOLIFENACIN
04393	TRUVADA	05291	LIDOCAINE/PRILOCAINE
04421	ERTAPENEM	05308	MUCINEX DM
04423	LETROZOLE	05310	CALADRYL
04425	BISMUTH SUBGALLATE	05324	EPLERENONE
04448	AMMONIUM LACTATE	05327	SPRINTEC
04454	NASAL STEROID	05335	CALAMINE LOTION
04473	IOPAMIDOL	05337	LOFIBRA
04488	ELETRIPTAN HYDROBROMIDE	05338	FLUTICASON-SALMETEROL
04491	SYMBICORT	05393	CALCITONIN
04494	IMIQUIMOD	05395	CALCIUM ACETATE
04499	FOLBEE	05405	CALCIUM CARBONATE
04529	METHYLPREDNISOLONE SODIUM SUCCINATE	05415	CALCIUM
04535	BARIUM SULFATE	05418	CALCIUM CHLORIDE
04536	ABX OINTMENT	05430	CALCIUM GLUCONATE
04556	SEVELAMER HYDROCHLORIDE	05565	CAMPHO-PHENIQUE
04576	DULOXETINE	05663	CARAFATE
04580	BONINE	05680	CARBAMAZEPINE
04589	TIOTROPIUM BROMIDE	05789	CARDIZEM
04612	IRON SUCROSE	05895	CATAPRES
04617	ACCUNEB	05993	CEFTIN
04622	EXEMESTANE	05995	CEFAZOLIN
04627	TRAVOPROST	06004	FOCALIN XR
04642	OYST-CAL	06005	CELESTONE
04650	BRETHINE		

06010 CELESTONE PHOSPHATE	06925 CLINDAMYCIN (PHOSPHATE)
06015 CELESTONE SOLUSPAN	06935 CLINORIL
06017 AMLODIPINE/BENAZEPRIL	06975 CLOMID
06038 AMITIZA	06980 CLONAZEPAM
06068 ANASTROZOLE	06985 CLONIDINE
06091 RALLY PACK	07000 CLORPACTIN
06092 ACETADOTE	07001 OSELTAMIVIR
06100 CENTRUM	07003 CLOTRIMAZOLE
06102 BIDIL	07023 PROBIOTIC ACIDAPHILES
06115 CEPACOL ANESTHETIC TROCHE	07043 XOLEGEL
06121 RANEXA	07058 ESTROVEN
06122 RIFAXIMIN	07067 CO-TRIMOXAZOLE
06125 CEPHALEXIN	07076 INVEGA
06129 ADACEL	07079 BROVANA
06138 BOOSTRIX	07094 TOBRASOL
06153 DEXPAK	07096 FLUTICASONE PROPIONATE
06161 EZETIMIBE & SIMVASTATIN	07099 CALCIUM CITRATE W/VITAMIN D
06162 CEFUROXIME	07110 COCAINE
06164 LEVEMIR	07117 OPANA
06173 ROTATEQ	07144 PROAIR HFA
06176 OLOPATADINE	07177 FLORA-Q
06180 CETACAINE	07180 CODEINE
06182 TYSABRI	07182 PATADAY
06186 TOBRAMYCIN W/DEXAMETHASONE	07183 JANUMET
06192 CHANTIX	07199 SILICONE GEL
06193 JANUVIA	07206 PEPCID COMPLETE
06194 REVATIO	07209 VIVITROL
06202 RIVASTIGMINE	07232 LUTERA
06221 DECAVAC	07250 COGENTIN
06223 ACAMPROSATE	07251 PERCOCET 10
06229 DAPTOMYCIN	07252 PERCOCET 7.5
06234 INTERFERON GAMMA-1B	07257 VERAMYST
06236 ATRIPLA	07265 COLACE
06242 LEVSIN/SL	07275 COLCHICINE
06247 FLECAINIDE	07282 TACTINAL
06249 SALONPAS	07299 VISION FORMULA
06253 JUNEL FE	07312 FERROCITE
06255 CHAP STICK	07337 RACEPINEPHRINE
06260 CHARCOAL	07344 SILTUSSIN
06298 CHERACOL PLUS	07352 TRAVATAN Z
06335 CHERRY SYRUP	07366 VITAMIN D3
06365 CHIGGEREX	07387 CINACALCET
06374 CHILDREN'S TYLENOL	07393 CLINDAMYCIN TOPICAL
06470 CHLORASEPTIC	07406 VYVANSE
06495 CHLORDIAZEPOXIDE	07412 ASA
06620 CHLORPROMAZINE	07422 SACCHAROMYCES BOULARDII
06645 CHLORTHALIDONE	07431 AMRIX
06661 CHLORZOXAZONE	07450 PREZISTA
06800 CHRONULAC SYRUP	07470 COMPAZINE
06839 CIPRO	07473 BENADRYL CREAM
06860 CITRATE OF MAGNESIA	07481 XYZAL
06905 CLEOCIN	07492 LIDOCAINE/MAALOX/BENADRYL COMPOUND
06920 CLINDAMYCIN	

07494	LOVAZA	08293	SITAGLIPTIN
07499	CATAPRES-TTS-3	08303	BACITRACIN ZINC
07534	ETONOGESTREL	08307	ATROPINE/HYOSCYAMINE/ PB/SCOPOL
07616	DERMABOND	08308	SENNA PLUS
07622	FLUARIX	08315	D-10
07623	COPPER	08317	BACITRACIN W/NEOSPORIN
07635	PRENATAL PLUS	08326	EXCEDRIN EXTRA STRENGTH
07643	TROMETHAMINE	08335	D-5
07652	ETHINYL ESTRADIOL- NORETHINDRONE	08340	D-50
07688	INSULIN ASPART	08341	CALCIUM CARBONATE W/VIT D
07755	CORTAID	08343	OCEAN NASAL SPRAY
07760	CORTEF	08345	DACRIOSE
07793	CORTISOL	08351	IRON SULFATE
07913	COUGH FORMULA	08378	VARENICLINE
07920	COUGH SYRUP	08384	BLOOD PRESSURE MEDICATION
07930	COUMADIN	08413	LACTAID
07997	CREON	08426	DOXYLAMINE
08006	TAMSULOSIN	08432	NOVOLOG FLEXPEN
08015	CROMOLYN	08439	FLORICET
08032	BYSTOLIC	08452	TUSSIONEX PENNKINETIC
08045	MVI	08468	ROCEPHIN W/LIDOCAINE
08047	LIALDA	08481	ADIPEX-P
08064	OLANZAPINE/FLUOXETINE	08482	LMX CREAM
08066	IOHEXOL	08502	DIATROL
08067	BICARB	08513	OPHTHALMIC SOLUTION
08074	PIPERACILLIN TAZOBACTAM	08527	DARUNAVIR
08076	NORGESTIMATE EE	08547	PCV
08077	ESOMEPRAZOLE	08552	PEG 3350
08084	LIDOGEL	08565	DEBROX
08090	CYANOCOBALAMIN	08573	VITAMIN A & C
08097	EMTRICITABINE/TENOFOVIR	08576	YOGURT
08124	FIBER CAPSULES	08585	DECADRON
08140	CYCLOGYL	08590	DECADRON ELIXIR
08147	MICRO-K	08591	ISENTRESS
08149	ADVAIR	08592	NEBIVOLOL
08157	COMBIGAN	08595	DECADRON PHOSPHATE
08161	ROSUVASTATIN	08619	RALTEGRAVIR
08169	CORTISPORIN TC OTIC	08624	CETRAXAL
08180	CYPROHEPTADINE	08637	IODIXANOL
08181	DILTIAZEM CD	08670	DECONGESTANT
08202	ALBUTEROL/IPRATROPIUM	08681	ETRAVIRINE
08208	SALINE GARGLES	08688	REGADENOSON
08209	MUCINEX D	08691	MYOVIEW
08212	SEROQUEL XR	08753	DELSYM
08222	SALINE LOCK	08770	DELTASONE
08234	PRISTIQ	08835	DEPAKENE
08246	OXYCODONE ER	08836	DEPAKOTE
08247	IODOFORM	08865	DEPO-MEDROL
08249	PATANASE	08870	DEPO-PROVERA
08254	SUDAFED PE	09000	DERMOPLAST
08258	NIASPAN ER	09002	CONTRAST
08264	FLURA DROPS	09075	DEXAMETHASONE
08286	MULTIHANCE	09081	TOPICAL PAIN RX

09090	DEXAMETHASONE SODIUM	09499	MEPIVACAINE
09093	WOUND CLEANSER	09504	THROMBIN
09095	DEXAMETHASONE SODIUM PHOSPHATE	09522	TOPEX
09109	PREVIDENT	09545	DIGOXIN
09122	ULORIC	09557	MICAFUNGIN
09142	PRE NATAL VITAMINS W/DHA	09561	HONEY
09147	TUSSICAPS	09562	DEXTROMETHORPHAN/GUAIFENSIN
09149	INSULIN R	09567	PHOSPHA
09151	STEROID	09577	NYQUIL
09158	CELLULOSE	09583	LANTUS SOLOSTAR
09166	LACTATED RINGER W/LIDOCAINE	09585	DILANTIN
09170	DEXTROAMPHETAMINE	09598	EYE LUBRICANT
09174	PRECEDEX	09600	DILAUDID
09175	DEXTROSE	09601	RENVELA
09199	LACOSAMIDE	09614	ZOLPIDEM
09215	CHOLESTEROL MED	09619	TELMISARTAN/HCTZ
09218	THERACRAN	09624	CLOBETASOL PROPIONATE
09230	CEFTRIAZONE W/LIDOCAINE	09626	JUNEL
09241	POLY HIST PD	09648	RELISTOR
09248	CHILDREN ZYRTEC	09652	TRILIPIX
09253	EPIPEN JR	09655	IV FLUIDS
09293	DIVALPROEX ER	09657	LIDOCAINE/TETRACAINE
09297	VALSARTAN/ HYDROCHLOROTHIAZIDE	09669	XYLOCAINE-MPF
09305	DIAMOX	09673	HYDROXYPROPYL
09318	MYCOLOG II	09682	ALENDRONATE/CHOLECALCIFEROL
09326	METFORMIN ER	09687	TESTOSTERONE CYPIONATE
09327	LEXISCAN	09702	AZO
09333	SEPTA	09703	THYROID DESICCATED
09334	PALIPERIDONE	09716	KETOCONAZOLE SHAMPOO
09344	PACKED RED BLOOD CELLS	09717	GAS RELIEF DROPS
09353	MULTAQ	09721	UBIDECARENONE
09361	PRENATAL AD	09722	CHOLECALCIFEROL
09364	DROSPIRENONE/ETHINYL ESTRADIOL	09734	ASPIRIN/ACETAMINOPHEN/CAFFEINE
09365	DIATRIZOATE	09741	FEROSUL
09367	SIMILAC ADVANCE	09752	SULFAMETHAZOLE TRIMETHOPRIM
09370	DIAZEPAM	09760	KETOTIFEN FUMARATE
09376	MULTIVITAMIN W/THIAMINE/FOLATE	09787	HYDROCORTISONE OTIC
09377	Z-PACK	09789	PERFLUTREN
09378	MAALOX MAX	09793	WOUND PREP
09389	THIAMINE/FOLATE	09794	ALTACAINE
09391	SAPHRIS	09797	RAPAFLO
09392	LET GEL	09801	AZASITE
09398	PRENATAL DHA TABS	09809	ASPIR-LOW
09404	VORTEX	09820	DIPH TET TOXOIDS PERTUSSIS
09418	MAALOX ADVANCED MAXIMUM STRENGTH	09826	OMNISCAN
09433	DICLOXACILLIN	09827	GADOBENATE DIMEGLUMINE
09451	MUCINEX MAX STRENGTH	09834	DITROPAN XL
09455	DICYCLOMINE	09839	DIPHENHIST
09480	HEPARIN/D5W	09847	SITZ BATH
		09849	ENALAPRILAT
		09850	DIPHENHYDRAMINE
		09860	DIPHENHYDRAMINE HCL ELIXIR
		09867	POTASSIUM BICARBONATE

09868	MUCUS RELIEF DM	10322	HYDROCHLOROTHIAZIDE/ TRIAMTERENE
09876	POWERADE	10325	DOXEPIN
09880	DIPHENOXYLATE HCL & ATROPINE SULFATE	10352	NYSTATIN MOUTH/THROAT SUSPENSION
09882	DEXTROMETHORPHAN	10355	DOXYCYCLINE
09888	INSULIN DETEMIR	10356	PRADAXA
09899	MEPILEX AG	10360	DOXYLAMINE SUCCINATE & PYRIDOXINE HCL
09901	VISCOPASTE	10389	DEXTROAMPHETAMINE/ AMPHETAMINE
09910	VIMPAT	10393	LORATADINE-PSEUDOEPHEDRINE
09931	ETHINYL ESTRADIOL/LEVONORGESTREL	10399	CIPROFLOXACIN-DEXAMETHASONE
09934	PROMACTA	10423	SALINE CLEANSER
09944	RANOLAZINE	10437	PRASUGREL
09954	DIVALPROEX	10440	DRISDOL
09958	RIVAROXABAN	10496	PROHANCE
09964	DIASTAT ACUDIAL	10509	COLCRYS
09975	DISULFIRAM	10518	DRYSOL
09979	SODIUM POLYSTYRENE SULFONATE	10532	DUTASTERIDE/TAMSULOSIN
09990	DIPHThERIA TETNUS TOXOIDS PERTUSSIS	10575	DULCOLAX
09995	DITROPAN	10815	DYAZIDE
10025	DIURIL	10975	ECOTRIN
10031	MULTIVITAMIN WITH OMEGA-3	10985	EDECIN
10049	DENTAL NERVE BLOCK	11028	URIBEL
10055	DOBUTREX	11065	ELAVIL
10083	MYLANTA DS	11066	XGEVA
10087	DOCUSATE	11107	MACROLIDE
10121	DULERA	11111	DHE
10122	TOPICAL STEROID WITH ANTIBIOTIC	11128	PROLIA
10123	VICTOZA	11130	ELECTROLYTE
10126	DOLOBID	11141	L-METHYLFOLATE
10130	DOLOPHINE	11142	LATUDA
10135	DEXILANT	11143	VIIBRYD
10136	TUSSIDEX	11152	ELOCON
10156	D5 NS W/KCL	11154	EDARBI
10157	MINERAL OIL ENEMA	11171	DEFINITY
10161	ETHANOL	11197	LURASIDONE
10166	BUPRENORPHINE-NALOXONE	11203	NOVOFINE
10179	CLINDAMYCIN/BENZOYL GEL	11223	GREEN DRAGON
10181	LISDEXAMFETAMINE	11224	OFIRMEV
10192	SALINE FLUSH	11258	KOMBIGLYZE XR
10204	BUTALBITAL-ACETAMINOPHEN	11267	MEDICAL MARIJUANA
10210	DONNATAL	11270	OXYMORPHONE
10225	DOPAMINE	11275	PRENATABS
10231	NEOMYCIN/POLYMYXIN B/HYDROCORTISONE	11291	TNF ALPHA INHIBITOR
10236	ABACAVIR-LAMIVUDINE	11293	PRENATABS OBN
10242	D-VI-SOL	11304	PRENATE ESSENTIAL
10244	TRIBENZOR	11309	OCULAR LUBRICANT
10261	LYSTEDA	11318	IOVERSOL
10298	PROPHYLACTIC ANTIBODIES	11321	ANTIPYRINE/BENZOCAINE/GLYCERIN
10299	IMMUNOGLOBULIN	11338	LARRYS SOLUTION
10301	VITAMIN D2	11354	BUDESONIDE-FORMOTEROL
10311	ZIRGAN	11384	ISOVUE-370

11385 DESVENLAFAXINE	12149 CORTISPORIN
11387 VASHE	12151 DEXTROMETHORPHAN/ PROMETHAZINE
11393 XARELTO	12154 ESCITALOPRAM
11401 SAF-CLENS AF	12156 PREVACID SOLUTAB
11450 EPHEDRINE	12161 MOMETASONE
11540 EPINEPHRINE	12171 NORGESTIMATE-ETHINYL ESTRADIOL
11548 EPIPEN	12176 PREPARATION H
11575 EPSOM SALT	12178 SESTAMIBI
11615 ERGOCALCIFEROL	12179 METFORMIN-SITAGLIPTIN
11665 ERYTHROMYCIN	12191 LEVALBUTEROL
11668 ERYTHROMYCIN OPHTHALMIC	12195 SALINE NASAL SPRAY
11669 ERYTHROMYCIN W/SULFISOXAZOLE	12196 SULFAMETHOXAZOLE- TRIMETHOPRIM
11688 ESGIC	12198 CORICIDIN HBP
11740 ESTRACE	12202 FORMOTEROL-MOMETASONE
11745 ESTRADIOL	12207 TRIPHROCAPS
11800 ESTROGEN	12216 HEPARIN PORCINE
11945 EUCERIN	12232 RYNEX PSE
11960 EURAX	12255 FEOSOL
12000 MERREM	12263 ONFI
12004 TUBERCULIN TINE TEST	12277 DUEXIS
12007 MIDAZOLAM	12299 DYMISTA
12009 ALENDRONATE	12311 STRIBILD
12013 NICOTINE PATCH	12316 JENTADUETO
12016 NORETHINDRONE	12318 MYRBETRIQ
12017 NORGESTREL/ETHINYL ESTRADIOL	12337 BIFIDOBACTERIUM INFANTIS
12028 OXYCODONE	12342 BRILINTA
12029 OXYBUTYNIN	12368 EFFER-K
12031 OXYMETAZOLINE	12476 EMTRICITABINE/ RILPIVIRINE/TENOFOVIR
12033 PAIN MEDICATIONS	12477 ARFORMOTEROL
12034 PANTOPRAZOLE	12479 CYANOACRYLATE
12035 EXCEDRIN	12480 FERROUS GLUCONATE
12042 ASPIR 81	12482 GADAVIST
12044 PEN-VK	12484 PENTAFLUOROPROPANE/ TETRAFLUOROETHANE
12046 PERCOCET	12490 FERROUS SULFATE
12053 PNV-DHA	12550 FIORINAL
12056 POLYMYXIN B-TRIMETHOPRIM	12570 FIORINAL W/CODEINE
12057 TUBERCULIN PURIFIED PROTEIN DERIVATIVE	12585 FLAGYL
12062 BIRTH CONTROL PILLS	12620 FLEET ENEMA
12071 CHERATUSSIN AC	12622 FLEET GLYCERIN SUPPOSITORY
12077 PROBIOTIC	12635 FLEXERIL
12078 EYE PREPARATION	12690 FLUOCINOLONE
12082 PROMETHAZINE DM	12710 FLUOR-I-STRIP
12085 EYE-STREAM	12715 FLUORESCEIN
12088 ROBITUSSIN DM	12780 FLUPHENAZINE
12090 ROMYCIN	12865 FOLIC ACID
12096 SALINE MIST	12880 FOLVITE
12108 DILTIAZEM ER	13002 AMLODIPINE/OLMESARTAN
12112 TRADJENTA	
12114 ENTOCORT	
12122 GUAIFENESIN DM	
12123 ZYRTEC-D	
12124 HYOMAX SL	

13003 CANDESARTAN- HYDROCHLOROTHIAZIDE	14093 GAVILAX
13009 ELIQUIS	14102 JARDIANCE
13011 ETONOGESTREL/ ETHINYL ESTRADIOL	14122 TIVICAY
13015 LISINAPRIL- HYDROCHLOROTHIAZIDE	14124 TRIUMEQ
13017 NAMENDA XR	14225 HEP-LOCK
13021 NOREL AD	14240 HEPARIN
13035 FUL-GLO	14245 HEPARIN LOCK FLUSH SOLUTION
13063 DOLUTEGRAVIR	14370 HEXAVITAMIN
13088 INVOKANA	14415 HIBICLENS
13097 LINZESS	14683 HORMONE
13104 LUBIPROSTONE	14720 HUMIST SPRAY
13105 FURADANTIN	14727 HUMULIN
13111 MIRABEGRON	14730 HURRICAIN
13118 FUROSEMIDE	14770 HYCODAN
13130 SIMBRINZA	14840 HYDRALAZINE
13147 TUDORZA	14870 HYDRATE
13154 ELLA	14875 HYDREA
13156 FOSFOMYCIN	14930 HYDROCHLOROTHIAZIDE
13159 TENIVAC	14955 HYDROCODONE
13161 TICAGRELOR	14965 HYDROCORTISONE
13205 GARAMYCIN	14975 HYDROCORTISONE W/NEOMYCIN
13215 GASTROGRAFIN	14980 HYDROCORTONE
13275 GELFOAM	14985 HYDRODIURIL
13320 GENTAMICIN	14990 HYDROGEN PEROXIDE
13535 GLUCAGON	15005 HYDROMORPHONE
13550 GLUCOSE	15014 B52
13553 GLUCOTROL	15029 COBICISTAT
13590 GLUTOSE	15040 HYDROQUINONE
13655 GLYCOPYRROLATE	15043 HYSINGLA ER
13785 GRIFULVIN	15060 HYDROXOCOBALAMIN
13800 GRISEOFULVIN	15070 HYDROXYCHLOROQUINE
13830 GUAIFENESIN & DEXTROMETHORPHAN HBR	15087 IBRANCE
13835 GUAIFENESIN	15090 HYDROXYUREA
13838 GUAIFENESIN W/CODEINE	15100 HYDROXYZINE
13999 HALCION	15105 HYDROXYZINE PAMOATE
14000 HALDOL	15195 HYPERAB
14001 ACLIDINIUM	15305 HYTONE
14002 APIXABAN	15307 HYTRIN
14003 BRISDELLE	15395 IBUPROFEN
14006 GADOBUTROL	15455 ICY HOT ANALGESIC BALM
14013 BREO ELLIPTA	15495 ILOTYCIN
14014 ACETAMINOPHEN/BUTALBITAL/ CAFFEINE	15545 IMODIUM
14023 OTEZLA	15555 IMURAN
14039 ANECREAM	15575 INDERAL
14040 HALOPERIDOL	15590 INDOCIN
14061 BRINTELLIX	15600 INDOMETHACIN
14073 CONTRAVE	15670 INSTA GLUCOSE
14087 FARXIGA	15680 INSULIN
14088 FIRAZYR	15710 INULIN
	15730 IODINE
	15733 IODINE SOLUTION STRONG
	15805 IOPIDINE
	15870 IRON PREPARATION
	15910 IRRIGATING SOLUTION

15990	ISONIAZID	17450	LIBRIUM
16000	DICLEGIS	17485	LIDOCAINE
16007	GENVOYA	17490	LIDOCAINE HCL
16018	TRULICITY	17495	LIDOCAINE HCL W/EPINEPHRINE
16020	ISOPROPYL ALCOHOL	17540	LINCOCIN
16027	BELSOMRA	17560	LIORESAL
16039	REXULTI	17715	LITHIUM
16054	REPATHA	17725	LITHOBID
16058	DALBAVANCIN	17840	LOESTRIN
16061	ENTRESTO	17865	LOMOTIL
16073	ERIVEDGE	17880	LOPERAMIDE
16076	INSULIN DEGLUDEC	17883	LOPID
16084	PALBOCICLIB	17885	LOPRESSOR
16089	KCENTRA	17888	LORAZEPAM
16095	ISORDIL	17925	LOTRIMIN
16104	INSULIN LISPRO	17940	LOXAPINE
16105	ISOSORBIDE	18015	LUMINAL
16124	LACTOBACILLUS RHAMNOSUS	18125	MAALOX
16134	OPTICAINA	18130	MACRODANTIN
16136	AMPICILLIN/SULBACTAM	18190	MAGNESIUM CHLORIDE
16137	ACETAMINOPHEN/ DEXTROMETHORPHAN/ DOXYLAMI	18195	MAGNESIUM CITRATE
16138	BROTAPP DM	18200	MAGNESIUM GLUCONATE
16139	SACUBITRIL/VALSARTAN	18205	MAGNESIUM OXIDE
16141	TETANUS-DIPHTHERIA TOXOIDS-TD	18215	MAGNESIUM SULFATE
16142	KADCYLA	18345	MANNITOL
16143	VENELEX	18395	MARCAINE
16144	GASTROVIEW	18400	MARCAINE HCL W/EPINEPHRN
16146	DEPADE	18520	MAXITROL
16147	EVZIO	18523	MAXZIDE
16148	ACETAMINOPHEN/ DEXTROMETHORPHAN/GUAIFENE	18552	MEBENDAZOLE
16210	K-LOR	18555	MECLIZINE
16455	KAYEXALATE	18640	MEDROL
16475	KEFLEX	18643	MEDROXYPROGESTERONE
16485	KEFZOL	18645	MEFOXIN
16505	KENALOG	18745	MENTHOL
16585	KETALAR	18760	MEPERIDINE
16590	KETAMINE	18920	MESTINON
16605	KETOSTIX	18930	METAMUCIL
16710	KLOR-CON	18985	METHADONE
16895	L-THYROXINE	19045	METHERGINE
16915	LACRI-LUBE	19070	METHOCARBAMOL
16940	LACTIC ACID	19090	METHOTREXATE
16955	LACTOBACILLUS ACIDOPHILUS	19130	METHYL SALICYLATE
16975	LACTULOSE	19140	METHYLCELLULOSE
17115	LANOXIN	19155	METHYLDOPA
17165	LASIX	19175	METHYLPHENIDATE
17355	LEVOPHED	19180	METHYLPREDNISOLONE
17365	LEVOTHROID	19208	METOCLOPRAMIDE
17370	LEVOTHYROXINE	19210	METOLAZONE
17375	LEVSIN	19218	METOPROLOL
		19233	METRONIDAZOLE
		19242	MEVACOR
		19280	MICATIN

19290 MICONAZOLE	22215 OVRAL
19320 MICRONOR	22233 OXACILLIN
19375 MILK OF MAGNESIA	22242 OXAZEPAM
19445 MINERAL OIL	22287 OXYBUTYNIN CHLORIDE
19455 MINIPRESS	22303 OXYCODONE HCL
19465 MINOCYCLINE	22305 OXYCODONE HCL & ACETAMINOPHEN
19478 MINOXIDIL	22306 OXYCODONE W/APAP
19635 MICONAZOLE NITRATE	22315 OXYGEN
19650 MORPHINE	22323 OXYMETAZOLINE HCL
19675 MOTRIN	22345 OXYTOCIN
19680 MOUTHWASH	22350 OYSTER SHELL & VITAMIN D
19699 MS CONTIN	22630 PANCREASE
19715 MUCOMYST	22643 PANCRELIPASE
19825 MULTIPLE VITAMINS	23120 PEDIALYTE
19840 MULTIVITAMIN	23150 PEDIAZOLE
19853 MULTIVITAMIN/FLUORIDE	23185 PEN-VEE K
19870 MULTIVITAMINS & MINERALS	23215 PENICILLIN
19948 MUSCLE RELAXANT	23225 PENICILLIN V
20035 MYCITRACIN	23228 PENICILLIN V POTASSIUM
20060 MYCOSTATIN	23230 PENICILLIN VK
20080 MYLANTA	23370 PEPTO-BISMOL
20095 MYLICON	23385 PERCOCET-5
20175 NAFCILLIN	23400 PERCOGESIC
20285 NAPROSYN	23430 PERI-COLACE
20290 NAPROXEN	23440 PERIACTIN
20310 NARCAN	23523 PERPHENAZINE
20325 NASAL DECONGESTANT	23585 PETROLATUM
20455 NEBCIN	23715 PHENAZOPYRIDINE
20595 NEO-SYNEPHRINE	23755 PHENERGAN
20690 NEOMYCIN	23798 PHENERGAN W/CODEINE
20730 NEOSPORIN	23845 PHENOBARBITAL
20885 NIACIN	23935 PHENOL
21010 NIFEREX	23970 PHENTERMINE
21065 NILSTAT	24015 PHENYLEPHRINE
21130 NITRO-BID	24045 PHENYTOIN
21143 NITRO-DUR	24175 PHYTONADIONE
21145 NITROFURANTOIN	24255 PITOCIN
21160 NITROGLYCERIN	24280 PLACEBO
21165 NITROGLYN	24300 PLAQUENIL
21176 NITROLINGUAL	24310 PLASMA-LYTE
21185 NITROSTAT	24510 POLYSPORIN
21203 NIZORAL	24530 POLYVITAMIN DROPS
21280 NORFLEX	24555 PONTOCAINE
21373 NORMODYNE	24590 POT CHLOR
21403 NORTRIPTYLINE	24650 POTASSIUM
21513 NTG	24653 POTASSIUM CHLORIDE
21550 NUBAIN	24655 POTASSIUM CHLORIDE & SOD CHLOR
21695 NYSTATIN	24730 POTASSIUM PHOSPHATE
21701 NYSTATIN W/TRIAMCINOLONE	24750 POTASSIUM 99
21750 OCEAN MIST	24805 PRAZOSIN
21970 ORASONE	24885 PREDNISOLONE
22065 ORPHENADRINE	24890 PREDNISON
22110 OS-CAL	
22160 OTIC DROPS	

24950	PREMARIN	27855	SERAX
24975	PRENATAL FORMULA (VITAMINS)	27985	SILVADENE
24988	PRENATAL W/FOLIC ACID & IRON	27995	SILVER NITRATE
25055	PRIMIDONE	28015	SILVER SULFADIAZINE
25078	PRINIVIL	28030	SIMETHICONE
25213	PROCARDIA	28035	SIMILAC
25220	PROCHLORPERAZINE	28080	SINEMET
25243	PROCTOCREAM-HC	28350	SKELAXIN
25250	PROCTOFOAM	28391	SLOW-MAG
25330	PROLIXIN	28450	SODIUM BENZOATE
25338	PROLOPRIM	28455	SODIUM BICARBONATE
25365	PROMETHAZINE	28460	SODIUM BIPHOSPHATE
25375	PROMETHAZINE COMPOUND W/CODEINE	28495	SODIUM CHLORIDE
25410	PROMETHAZINE HCL VC EXPECTORANT	28515	SODIUM CHLORIDE & DEXTROSE
25430	PROMETHAZINE VC W/CODEINE	28560	SODIUM CHLORIDE IRRIGATION
25432	PROMETHAZINE W/CODEINE	28575	SODIUM CITRATE
25485	PROPARACAINE	28610	SODIUM HYPOCHLORITE
25638	PROVENTIL	28665	SODIUM PHOSPHATE
25640	PROVERA	28790	SOLU-CORTEF
25674	PROZAC	28800	SOLU-MEDROL
25695	PSEUDOEPHEDRINE	28825	SOMA
25750	PURINETHOL	28833	SOMINEX
25810	PYRIDIUM	28910	SORBITOL
25825	PYRIDOXINE HCL	29250	SPIRONOLACTONE
25955	QUELIDRINE	29285	STADOL
26090	RABIES VACCINE	29488	STERILE WATER FOR IRRIGATION
26255	REGLAN	29533	STOOL SOFTENER
26453	RESTORIL	29645	SUBLIMAZE
26475	RETIN-A	29660	SUCCINYLCHOLINE
26785	ROBAXIN	29695	SUCROSE
26805	ROBINUL	29705	SUDAFED
26830	ROBITUSSIN	29785	SULAMYD SODIUM
26835	ROBITUSSIN A-C SYRUP	29840	SULFAMETHOXAZOLE
26840	ROBITUSSIN-CF	29865	SULFASALAZINE
26845	ROBITUSSIN-CF SYRUP	29888	SULFATRIM
26870	ROCALTROL	29998	SULINDAC
26883	ROGAINE	30305	SYMMETREL
26958	ROXICET	30395	SYNTHROID
27340	SALICYLATE	30495	TAGAMET
27345	SALICYLIC ACID	30580	TAPAR
27368	SALINE	30585	TAPAZOLE
27445	SANTYL	30730	TEGRETOL
27545	SCOPOLAMINE	30756	TEMAZEPAM
27708	SEDATIVE	30777	TENEX
27735	SELSUN BLUE	30782	TENORMIN
27770	SENNA	30800	TERAZOL
27785	SENOKOT	30805	TERBUTALINE
27795	SENOKOT S	30880	TESSALON PERLE
27816	SENSORCAINE	30915	TESTOSTERONE
27835	SEPTRA	31005	TETANUS DIPHTHERIA TOXOID
27840	SEPTRA DS	31010	TETANUS IMMUNE GLOBULIN
		31015	TETANUS TOXOID
		31025	TETRACAINE

31030 TETRACAINE HCL	34270 VISTARIL
31045 TETRACYCLINE	34365 VITAMIN A + VITAMIN D
31055 TETRACYN	34370 VITAMIN A & D
31235 THEOPHYLLINE	34425 VITAMIN B COMPLEX
31325 THERAGRAN	34450 VITAMIN B COMPLEX W/VITAMIN C
31455 THIAMINE	34455 VITAMIN B-1
31550 THORAZINE	34495 VITAMIN B-12
31588 THROAT PREPARATION	34520 VITAMIN C
31630 THYROID	34565 VITAMIN D
31658 TIMOLOL	34575 VITAMIN E
31660 TIMOPTIC	34623 VITAMIN K
31723 TOBRADEX	34725 VOLTAREN
31725 TOBRAMYCIN	34775 WARFARIN
31728 TOBREX OPHTHALMIC	34795 WATER FOR INJECTION
31927 TRANDATE	34855 WESTCORT
31938 TRANSDERM-NITRO	34920 WITCH HAZEL
31945 TRANXENE	35023 XANAX
31997 TRAZODONE	35060 XYLOCAINE
32013 TRENAL	35080 XYLOCAINE HCL W/EPINEPHRINE
32195 TRIAMCINOLONE	35085 XYLOCAINE VISCOUS
32200 TRIAMCINOLONE ACETONIDE	35224 ZESTRIL
32353 TRIDIL	35240 ZINC
32363 TRIFLUOPERAZINE	35250 ZINC OXIDE
32390 TRIHEXYPHENIDYL	35260 ZINC SULFATE
32395 TRILAFON	35295 ZINCATE
32438 TRIMETHOPRIM	35341 ZOVIRAX
32515 TRIPLE ANTIBIOTIC	35350 ZYLOPRIM
32735 TUMS	35430 ANTIEMETIC AGENT
32845 TUSSI-ORGANIDIN	35445 ANTIFUNGAL AGENT
32905 TYLENOL	35450 ANTIHISTAMINE
32920 TYLENOL NO. 3	35460 ANTIINFLAMMATORY AGENT
32925 TYLENOL NO. 4	35595 TRIMETHOPRIM/ SULFAMETHOXAZOLE
32930 TYLENOL W/CODEINE	40185 BAYER ASPIRIN
33092 UNASYN	40285 CALTRATE
33155 UNIPEN	40455 CYCLOPENTOLATE
33170 UNISOM	40460 CYTOTEC
33215 UREA	40520 DESYREL
33448 VACCINATION	40540 DEXTROSE SODIUM CHLORIDE
33555 VALIUM	40580 DIABETA
33573 VALPROIC ACID	40585 DIHYDROERGOTOXINE MESYLATE
33580 VANCOCIN	40605 DIPHENOXY/ATROP
33588 VANCOMYCIN	41185 NORCURON
33625 VAPONEFRIN	41315 POLYETHYLENE GLYCOL
33670 VASELINE	41495 SODIUM POLYSTYRENE SULFON
33735 VASOPRESSIN	41780 ZANTAC
33780 VEETIDS	41820 GLYCERIN SUPPOSITORIES
33843 VENTOLIN	41830 PSYLLIUM
33858 VERAPAMIL	41845 PTU
33895 VERMOX	41860 FOLATE
34090 VIBRAMYCIN	41865 MOM
34103 VICKS VAPORUB	41875 CAPTOPRIL
34110 VICODIN	41905 THYROXINE
34260 VISINE	42425 GOLYTELY
34263 VISKEN	

42800	NORMAL SALINE	89019	CLONIDINE HCL
42985	PROPRANOLOL	89020	CYCLOBENZAPRINE HCL
60040	ADALAT	89025	DOXEPIN HCL
60115	AUGMENTIN	89035	FLUOCINONIDE
60120	AUGMENTIN 250	89038	HYDROCODONE BITARTRATE W/APAP
60150	BACITRACIN OPHTHALMIC	89039	HYDROCODONE W/ACETAMINOPHEN
60180	BENZTROPINE MESYLATE	89040	HYDROCORTISONE ACETATE
60200	BETAMETHASONE VALERATE	89041	HYDROCORTISONE SOD SUCCINATE
60270	BUSPAR	89044	INSPIREASE
60295	CEFOTAN	89045	LIDOCAINE HCL VISCOUS
60370	CORDARONE	89050	MOTRIN IB
60555	EYE WASH	89051	NEBUPENT
60565	FENTANYL CITRATE	89053	NITROFURANTOIN MACROCRYSTALS
60595	FIORICET	89056	OS-CAL 500+D
60640	GENTAMICIN OPHTHALMIC	89061	POLYTRIM
60665	GLYCERIN	89062	PRAZOSIN HCL
60735	INFLUENZA VIRUS VACC	89066	PRELONE
60765	ISOVUE	89067	PROCARDIA XL
60775	K-DUR	89068	PROCHLORPERAZINE EDISYLATE
60790	KLONOPIN	89069	PROCHLORPERAZINE MALEATE
60795	LACHYDRIN	89074	ROWASA
60800	LACTATED RINGER'S	89080	TIMOLOL MALEATE
60835	LOTRISONE	89081	TOBRAMYCIN SULFATE
60940	MSIR	91000	ALBUTEROL SULFATE
60990	NALBUPHINE HCL	91009	BUTALBITAL/APAP/CAFFAINE
60995	NALOXONE HCL	91015	DOXYCYCLINE HYCLATE
61025	NICORETTE	91027	GUAIFENESIN AC
61045	NOVOLIN	91028	HALOPERIDOL LACTATE
61080	OMNIPAQUE	91029	HYDROXYZINE HCL
61100	ORUDIS	91034	LOTRIMIN AF
61135	PEDIACARE	91039	NIFEDIPINE
61140	PEDIAPRED	91043	PRILOSEC
61160	PEPCID	91061	ACYCLOVIR
61185	PIPERACILLIN	91062	ALPRAZOLAM
61205	POVIDONE-IODINE	91063	ATENOLOL
61295	ROCEPHIN	91064	AZTREONAM
61385	SULFACETAMIDE SODIUM	91066	BUSPIRONE HCL
61405	TAMBOCOR	91068	CEFTAZIDIME
61480	TOLNAFTATE	91069	CEFTRIAXONE
61495	TOPICORT	91072	DILTIAZEM HCL
61565	VASOTEC	91074	ENALAPRIL
61570	VERSED	91079	FLUOXETINE
61605	WELLBUTRIN	91081	GLIPIZIDE
61625	TRIAMTERENE W/HCTZ	91084	IPRATROPIUM BROMIDE
89009	ANUCORT-HC	91085	KETOCONAZOLE
89010	BETAMETHASONE DIPROPIONATE	91088	LOVASTATIN
89012	BROMFED-DM	91089	METHIMAZOLE
89013	BROMPHEN DX	91091	MISOPROSTOL
89014	BUPIVACAINE W/EPINEPHRINE	91096	OMEPRAZOLE
89016	CHARCOAL, ACTIVATED W/ SORBITOL	91099	RANITIDINE
89017	CHILDREN'S ADVIL	91103	IBU
89018	CLINDAMYCIN HCL	92000	ACCUPRIL

92002	ACTIDOSE-AQUA	93010	ALIMENTUM
92003	ALTACE	93014	ALLERGY MEDICATION
92005	BENYLIN	93022	ARTIFICIAL TEAR SOLUTION
92012	CARDURA	93023	ASACOL
92015	CILOXAN	93030	BLEPH-10
92016	CLOZARIL	93035	CARBIDOPA
92024	DURAGESIC	93036	CARDENE
92031	FLOXIN	93040	CELLUVISC
92033	FLUPHENAZINE DECANOATE	93042	CONDYLOX
92038	GENTAMICIN SULFATE	93046	DERMA-SMOOTH
92042	HYDROMET	93057	ENULOSE
92043	HYOSCYAMINE SULFATE	93059	EPOGEN
92051	LODINE	93062	FISH OIL
92052	LOTENSIN	93067	GENTAK
92055	MIACALCIN	93071	HABITROL
92061	NASACORT	93090	MACROBID
92063	NEOMYCIN/POLYMYXIN/DEXAMETH	93098	MONODOX
92076	PRAVACHOL	93101	NASAL SPRAY
92083	RINGERS	93105	NICODERM
92085	ROBITUSSIN PEDIATRIC	93106	NICOTINE TRANSDERMAL SYSTEM
92087	STERILE WATER	93121	PERIDEX
92104	ZEASORB-AF	93127	PROSCAR
92105	ZOFRAN	93132	RELAFEN
92107	BENZAEPRI	93136	RHOGAM
92109	CEFAFLOR	93143	SHUR-CLENS
92110	CEFIXIME	93151	SUPPOSITORY
92111	CIPROFLOXACIN	93152	TAC
92115	CLOZAPINE	93156	TOPROL XL
92116	DICLOFENAC	93166	VANTIN
92120	DOXAZOSIN MESYLATE	93179	ZITHROMAX
92122	EPOETIN ALFA	93181	ZOCOR
92124	ETODOLAC	93182	ZOLADEX
92125	FELODIPINE	93183	ZOLOFT
92126	FLUTICASONE	93185	ZOSTRIX
92131	HEPATITIS B VACCINE	93187	NORVASC
92134	LEVONORGESTREL	93188	NALTREXONE
92135	MESALAMINE	93193	SERTRALINE
92138	NADOLOL	93197	RYTHMOL
92139	NORGESTREL	93199	ASTHMA MEDICATION
92140	OFLOXACIN	93200	ACTIGALL
92141	ONDANSETRON	93202	CYCLOSPORINE
92143	PENTOXIFYLLINE	93203	LABETALOL
92149	QUINAPRIL	93211	AMIODARONE
92150	RAMIPRIL	93212	PAXIL
92152	TERCONAZOLE	93213	GEMFIBROZIL
92153	TRANEXAMIC ACID	93214	AZITHROMYCIN
92154	ANAFRANIL	93215	FLUCONAZOLE
92156	DIFLUCAN	93218	ORTHO-CEPT
92157	ELIMITE	93220	KETOROLAC
92160	PRINZIDE	93224	CLARITIN
92161	TORADOL	93231	IMITREX
92164	LISINAPRIL	93237	SIMVASTATIN
92180	LORTAB	93238	BETAPACE
93009	ALBUMIN	93239	FLURBIPROFEN

93243 LAMISIL	94070 EFFEXOR
93248 SUMATRIPTAN	94072 NSAID
93249 VALPROATE	94073 OCUFLOX
93256 PNEUMOCOCCAL VACCINE	94075 SEREVENT
93257 LORATADINE	94080 DESMOPRESSIN
93262 MIDAZOLAM HCL	94081 DIVALPROEX SODIUM
93304 NEPHRO-VITE	94099 NEURONTIN
93305 GLYBURIDE	94104 RISPERIDONE
93306 ADENOCARD	94114 GABAPENTIN
93312 KETOPROFEN	94116 HUMULIN R
93313 DOBUTAMINE	94117 LOVENOX
93315 PROPAFENONE	94125 ALEVE
93325 EMLA	94126 DEMADEx
93326 INJECTION	94133 TERAzOSIN
93337 PROPOFOL	94134 DESONIDE
93344 SOAP	94139 CEFPODOXIME
93345 DIPRIVAN	94146 PENICILLIN G BENZATHINE
93347 AMBIEN	94158 RISPERDAL
93348 PHOSLO	94163 ALOE VERA
93352 FAMOTIDINE	94175 ANTIBACTERIAL AGENT
93355 BUPROPION	94177 AREDIA
93371 MIDODRINE	94179 NABUMETONE
93373 UROCIT K	94188 FENTANYL
93383 IMMUNIZATION	94189 FLUMAZENIL
93386 GI COCKTAIL	94191 MONISTAT
93387 CEFOXITIN	94196 OCTREOTIDE
93394 AEROSOL THERAPY	95003 ECONAZOLE
93395 INHALER	95005 FLONASE
93396 AMLODIPINE	95013 GREEN GODDESS
93400 NEBULIZER	95016 ADDERALL
93404 SUCRALFATE	95017 FAMVIR
93405 SANDOSTATIN	95020 NICARDIPINE
93417 CEFPROZIL	95023 CHILDRENS MOTRIN
93418 FILGRASTIM	95024 FLUVOXAMINE
93424 FLUDROCORTISONE ACETATE	95025 LUVOX
93443 NIMODIPINE	95036 BUPRENORPHINE
93447 EMOLLIENT / LOTION / CREAM / MOISTURIZER	95042 NOREPINEPHRINE
93448 VECURONIUM	95044 ROBITUSSIN W/ CODEINE
93449 RABIES IMMUNE GLOBULIN	95046 AMYLASE
93453 RH IMMUNE GLOBULIN	95050 ULTRAM
93982 MEDICATION(S) - IV	95052 OPTIRAY
94001 SOTALOL	95057 DTAP
94002 BENZONATE	95065 ZEMURON
94004 PAROXETINE	95072 BENZTROPINE
94007 ENEMA	95089 METAXALONE
94010 PENTASA	95092 PRAVASTATIN
94011 CATAFLAM	95111 GLUCOPHAGE
94014 VENLAFAXINE	95114 TRUSOPT
94016 ZIAC	95116 CAPSAICIN
94027 SHAMPOO	95119 MULTIVITAMIN W/ IRON
94031 IMDUR	95122 PREVACID
94034 ORTHO-TRICYCLEN	95133 METFORMIN
	95144 LOTREL

95149 ZOSYN	97006 FEIBA VH IMMUNO
95152 COZAAR	97011 MIGRAINE AGENT
95164 DORZOLAMIDE	97016 ARICEPT
95171 HYZAAR	97017 HUMALOG
95174 PROGRAF	97020 LIPITOR
95177 FINASTERIDE	97028 ALPHAGAN
95178 FIORICET/ CODEINE	97036 DIOVAN
95181 LAMICTAL	97037 PATANOL
95183 FOSAMAX	97045 LEVAQUIN
95186 ESMOLOL	97047 MAGNESIUM
95191 EPIVIR	97049 TOPAMAX
96003 PERMETHRIN	97050 VISIPAQUE
96005 ALENDRONATE SODIUM	97056 MIRTAZAPINE
96007 CETIRIZINE	97073 LOSARTAN
96008 HUMULIN N	97083 TOMOCAT
96009 BENZOCAINE	97084 ROCURONIUM
96020 LEVOXYL	97085 TORSEMIDE
96022 ZYRTEC	97089 GUANFACINE
96024 CLOBETASOL	97098 PRAMIPEXOLE
96027 DOCUSATE SODIUM	97099 GENERAL ANESTHESIC
96028 ACETAMINOPHEN-HYDROCODONE	97105 COMBIVENT
96029 ALBENDAZOLE	97113 ZANAFLEX
96031 DRONABINOL	97126 FLOMAX
96033 LEVOBUNOLOL	97130 TACROLIMUS
96038 MUPIROCIN	97132 MAXIPIME
96041 TRAMADOL	97135 VALACYCLOVIR
96043 VALTREX	97136 LAMOTRIGINE
96045 DEMEROL	97138 TUSSIN DM
96058 PRECOSE	97142 COREG
96060 SEVOFLURANE	97145 AVAPRO
96066 NORVIR	97150 REQUIP
96087 VIBRA-TABS	97152 MIRAPEX
96091 FLOVENT	97157 ATORVASTATIN
96093 RITONAVIR	97159 CALCITRIOL
96095 ETOMIDATE	97163 LEVOFLOXACIN
96107 BUMETANIDE	97168 SEROQUEL
96109 OXYCONTIN	97174 BABY ASPIRIN
96111 AYR NASAL GEL	98001 MAG-OX
96115 SALMETEROL	98008 CARVEDILOL
96122 REMERON	98010 NASONEX
96125 MELATONIN	98022 ZOMIG
96130 LANSOPRAZOLE	98025 MONUROL
96135 PHENERGAN DM	98036 NORCO
96138 AMARYL	98038 SINGULAIR
96147 CELLCEPT	98043 VICOPROFEN
96149 IMIPENEM-CILASTATIN SODIUM	98046 MICROZIDE
96157 AEROCHAMBER	98049 DONEPEZIL HCL
96167 XALATAN	98051 OS-CAL +D
96169 ACIDOPHILUS	98054 TAZORAC
96173 ZYPREXA	98078 ADVIL COLD AND SINUS
96174 ALLEGRA	98086 PLAVIX
97002 OLANZAPINE	98089 TERBINAFINE
97004 CEFOTETAN	98090 ARIMIDEX
97005 CEREBYX	98093 MONTELUKAST

98097 AMERGE	99081 MULTIVITAMINS W/ FOLIC ACID
98098 COSOPT	99088 ZIAGEN
98109 CHLORHEXIDINE GLUCONATE	99090 ACTOS
98115 CELEXA	99098 NITROQUICK
98117 FENOFIBRATE	99099 PLETAL
98122 ACTIDOSE WITH SORBITOL	99101 QUETIAPINE FUMARATE
98131 TOPIRAMATE	99106 XOPENEX
98139 TIZANIDINE	99107 ZADITOR
98141 VALSARTAN	99112 D-5-W
98156 MAXALT	99119 NITROPASTE
98158 TRICOR	99123 MORPHINE SULFATE
98160 ARAVA	99127 LIDOCAINE/EPINEPHRINE/ TETRACAINE
98164 LOTEMAX	99128 LIPASE
99001 CEFEPIME	99133 ALBUTEROL
99002 CELEBREX	99138 KELP
99005 REMICADE	99139 MAGIC MOUTHWASH
99008 ALLEGRA D	99142 PRENATAL VITAMINS W/ IRON
99014 OMNICEF	99144 RACEMIC EPINEPHRINE
99018 ROTAVIRUS VACCINE	99157 LOPIDINE
99026 GLUCOSAMINE	99168 CREATINE
99029 PREDNISOLONE ACETATE OPHTHALMIC	99174 PHOSPHORUS
99033 CLOPIDOGREL	99188 BOOST PLUS
99036 GLUCOSAMINE CHONDROITIN	99189 CALCIUM W/ VITAMIN D
99042 PACERONE	99202 PRENATAL VITAMINS W/ CALCIUM
99043 PROAMATINE	99207 BRIMONIDINE
99052 ACTIVATED CHARCOAL	99213 DIASTAT
99056 GLIMEPIRIDE	99214 DIOVAN HCT
99059 MICARDIS	99216 FEXOFENADINE
99072 PROMETH W/ CODEINE	99224 OMEGA-3
99074 CITALOPRAM	99999 ILLEGIBLE
99080 MIRALAX	

C. MULTUM LEXICON END-USER LICENSE AGREEMENT

The Multum Lexicon End-User License Agreement for the 2017 NHAMCS ED public use micro-data file is the same as that used for the 2015 National Ambulatory Medical Care Survey and is available [here](#).

APPENDIX III. MULTUM CLASSIFICATION OF THERAPEUTIC CLASSES (DRUG CATEGORIES)

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
001	Anti-infectives	002	Amebicides		
001	Anti-infectives	003	Anthelmintics		
001	Anti-infectives	004	Antifungals	235	Polyenes
001	Anti-infectives	004	Antifungals	236	Azole antifungals
001	Anti-infectives	004	Antifungals	237	Miscellaneous antifungals
001	Anti-infectives	004	Antifungals	310	Echinocandins
001	Anti-infectives	005	Antimalarial agents	238	Antimalarial quinolines
001	Anti-infectives	005	Antimalarial agents	239	Miscellaneous antimalarials
001	Anti-infectives	005	Antimalarial agents	328	Antimalarial combinations
001	Anti-infectives	006	Antituberculosis agents	230	Aminosalicylates
001	Anti-infectives	006	Antituberculosis agents	231	Thiocarbamide derivatives
001	Anti-infectives	006	Antituberculosis agents	232	Rifamycin derivatives
001	Anti-infectives	006	Antituberculosis agents	233	Streptomyces derivatives
001	Anti-infectives	006	Antituberculosis agents	234	Miscellaneous antituberculosis agents
001	Anti-infectives	006	Antituberculosis agents	329	Antituberculosis combinations
001	Anti-infectives	006	Antituberculosis agents	457	Hydrazide derivatives
001	Anti-infectives	006	Antituberculosis agents	465	Diarylquinolines
001	Anti-infectives	007	Antiviral agents	175	Protease inhibitors
001	Anti-infectives	007	Antiviral agents	176	NRTIs
001	Anti-infectives	007	Antiviral agents	177	Miscellaneous antivirals
001	Anti-infectives	007	Antiviral agents	227	NNRTIs
001	Anti-infectives	007	Antiviral agents	228	Adamantane antivirals
001	Anti-infectives	007	Antiviral agents	229	Purine nucleosides

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
001	Anti-infectives	007	Antiviral agents	281	Neuraminidase inhibitors
001	Anti-infectives	007	Antiviral agents	327	Antiviral combinations
001	Anti-infectives	007	Antiviral agents	330	Antiviral interferons
001	Anti-infectives	007	Antiviral agents	364	Antiviral chemokine receptor antagonist
001	Anti-infectives	007	Antiviral agents	366	Integrase strand transfer inhibitor
001	Anti-infectives	007	Antiviral agents	480	Antiviral boosters
001	Anti-infectives	007	Antiviral agents	485	NS5A inhibitors
001	Anti-infectives	008	Carbapenems		
001	Anti-infectives	009	Cephalosporins	159	First generation cephalosporins
001	Anti-infectives	009	Cephalosporins	160	Second generation cephalosporins
001	Anti-infectives	009	Cephalosporins	161	Third generation cephalosporins
001	Anti-infectives	009	Cephalosporins	162	Fourth generation cephalosporins
001	Anti-infectives	009	Cephalosporins	379	Fifth generation cephalosporins
001	Anti-infectives	009	Cephalosporins	492	Cephalosporins/beta-lactamase inhibitors
001	Anti-infectives	010	Leprostatics		
001	Anti-infectives	011	Macrolide derivatives	304	Macrolides
001	Anti-infectives	011	Macrolide derivatives	305	Ketolides
001	Anti-infectives	012	Miscellaneous antibiotics		
001	Anti-infectives	013	Penicillins	222	Penicillinase resistant penicillins
001	Anti-infectives	013	Penicillins	223	Antipseudomonal penicillins
001	Anti-infectives	013	Penicillins	224	Aminopenicillins
001	Anti-infectives	013	Penicillins	225	Penicillins/beta-lactamase inhibitors
001	Anti-infectives	013	Penicillins	226	Natural penicillins
001	Anti-infectives	014	Quinolones		
001	Anti-infectives	015	Sulfonamides		
001	Anti-infectives	016	Tetracyclines		

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
001	Anti-infectives	017	Urinary anti-infectives		
001	Anti-infectives	018	Aminoglycosides		
001	Anti-infectives	240	Lincomycin derivatives		
001	Anti-infectives	315	Glycylcyclines		
001	Anti-infectives	406	Glycopeptide antibiotics		
001	Anti-infectives	486	Oxazolidinone antibiotics		
020	Antineoplastics	021	Alkylating agents		
020	Antineoplastics	022	Antineoplastic antibiotics		
020	Antineoplastics	023	Antimetabolites		
020	Antineoplastics	024	Antineoplastic hormones		
020	Antineoplastics	025	Miscellaneous antineoplastics		
020	Antineoplastics	026	Mitotic inhibitors		
020	Antineoplastics	324	Antineoplastic interferons		
020	Antineoplastics	383	Antineoplastic detoxifying agents		
020	Antineoplastics	397	Multikinase inhibitors		
020	Antineoplastics	398	BCR-ABL tyrosine kinase inhibitors		
020	Antineoplastics	399	CD52 monoclonal antibodies		
020	Antineoplastics	400	CD33 monoclonal antibodies		
020	Antineoplastics	401	CD20 monoclonal antibodies		
020	Antineoplastics	402	VEGF/VEGFR inhibitors		
020	Antineoplastics	403	MTOR inhibitors		
020	Antineoplastics	404	EGFR inhibitors		
020	Antineoplastics	405	HER2 inhibitors		
020	Antineoplastics	408	Histone deacetylase inhibitors		
020	Antineoplastics	429	Trifunctional monoclonal antibodies		

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
020	Antineoplastics	431	Anti-CTLA-4 monoclonal antibodies		
020	Antineoplastics	447	CD30 monoclonal antibodies		
020	Antineoplastics	449	Hedgehog pathway inhibitors		
020	Antineoplastics	454	Proteasome inhibitors		
020	Antineoplastics	489	CD38 monoclonal antibodies		
020	Antineoplastics	493	Anti-PD-1 monoclonal antibodies		
020	Antineoplastics	494	PARP inhibitors		
020	Antineoplastics	498	Antineoplastic combinations		
028	Biologicals	030	Antitoxins and antivenins		
028	Biologicals	034	In vivo diagnostic biologicals		
028	Biologicals	036	Erythropoiesis-stimulating agents		
028	Biologicals	390	Hematopoietic stem cell mobilizer		
040	Cardiovascular agents	041	Agents for hypertensive emergencies		
040	Cardiovascular agents	042	Angiotensin converting enzyme (ACE) inhibitors		
040	Cardiovascular agents	043	Antiadrenergic agents, peripherally acting		
040	Cardiovascular agents	044	Antiadrenergic agents, centrally acting		
040	Cardiovascular agents	045	Antianginal agents		
040	Cardiovascular agents	046	Antiarrhythmic agents	385	Group I antiarrhythmics
040	Cardiovascular agents	046	Antiarrhythmic agents	386	Group II antiarrhythmics
040	Cardiovascular agents	046	Antiarrhythmic agents	387	Group III antiarrhythmics
040	Cardiovascular agents	046	Antiarrhythmic agents	388	Group IV antiarrhythmics
040	Cardiovascular agents	046	Antiarrhythmic agents	389	Group V antiarrhythmics
040	Cardiovascular agents	047	Beta-adrenergic blocking agents	274	Beta blockers, cardioselective
040	Cardiovascular agents	047	Beta-adrenergic blocking agents	275	Beta blockers, non-cardioselective
040	Cardiovascular agents	048	Calcium channel blocking agents		
040	Cardiovascular agents	049	Diuretics	154	Loop diuretics

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
040	Cardiovascular agents	049	Diuretics	155	Potassium-sparing diuretics
040	Cardiovascular agents	049	Diuretics	156	Thiazide and thiazide-like diuretics
040	Cardiovascular agents	049	Diuretics	157	Carbonic anhydrase inhibitors
040	Cardiovascular agents	049	Diuretics	158	Miscellaneous diuretics
040	Cardiovascular agents	050	Inotropic agents		
040	Cardiovascular agents	051	Miscellaneous cardiovascular agents		
040	Cardiovascular agents	052	Peripheral vasodilators		
040	Cardiovascular agents	053	Vasodilators		
040	Cardiovascular agents	054	Vasopressors		
040	Cardiovascular agents	055	Antihypertensive combinations	467	ACE inhibitors with thiazides
040	Cardiovascular agents	055	Antihypertensive combinations	468	Antiadrenergic agents (central) with thiazides
040	Cardiovascular agents	055	Antihypertensive combinations	469	Antiadrenergic agents (peripheral) with thiazides
040	Cardiovascular agents	055	Antihypertensive combinations	470	Miscellaneous antihypertensive combinations
040	Cardiovascular agents	055	Antihypertensive combinations	472	Beta blockers with thiazides
040	Cardiovascular agents	055	Antihypertensive combinations	473	Angiotensin II inhibitors with thiazides
040	Cardiovascular agents	055	Antihypertensive combinations	474	Beta blockers with calcium channel blockers
040	Cardiovascular agents	055	Antihypertensive combinations	475	Potassium sparing diuretics with thiazides
040	Cardiovascular agents	055	Antihypertensive combinations	476	ACE inhibitors with calcium channel blocking agents
040	Cardiovascular agents	055	Antihypertensive combinations	479	Angiotensin II inhibitors with calcium channel blockers
040	Cardiovascular agents	056	Angiotensin II inhibitors		
040	Cardiovascular agents	303	Agents for pulmonary hypertension		
040	Cardiovascular agents	319	Vasopressin antagonists		

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
040	Cardiovascular agents	325	Sclerosing agents		
040	Cardiovascular agents	340	Aldosterone receptor antagonists		
040	Cardiovascular agents	342	Renin inhibitors		
040	Cardiovascular agents	396	Prostaglandin D2 antagonists		
040	Cardiovascular agents	430	Anticholinergic chronotropic agents		
040	Cardiovascular agents	433	Catecholamines		
040	Cardiovascular agents	482	Angiotensin receptor blockers and neprilysin inhibitors		
040	Cardiovascular agents	483	Neprilysin inhibitors		
057	Central nervous system agents	058	Analgesics	059	Miscellaneous analgesics
057	Central nervous system agents	058	Analgesics	060	Narcotic analgesics
057	Central nervous system agents	058	Analgesics	061	Nonsteroidal anti-inflammatory agents
057	Central nervous system agents	058	Analgesics	062	Salicylates
057	Central nervous system agents	058	Analgesics	063	Analgesic combinations
057	Central nervous system agents	058	Analgesics	191	Narcotic analgesic combinations
057	Central nervous system agents	058	Analgesics	193	Antimigraine agents
057	Central nervous system agents	058	Analgesics	278	Cox-2 inhibitors
057	Central nervous system agents	064	Anticonvulsants	199	Hydantoin anticonvulsants
057	Central nervous system agents	064	Anticonvulsants	200	Succinimide anticonvulsants
057	Central nervous system agents	064	Anticonvulsants	201	Barbiturate anticonvulsants
057	Central nervous system	064	Anticonvulsants	202	Oxazolidinedione anticonvulsants

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
	agents				
057	Central nervous system agents	064	Anticonvulsants	203	Benzodiazepine anticonvulsants
057	Central nervous system agents	064	Anticonvulsants	204	Miscellaneous anticonvulsants
057	Central nervous system agents	064	Anticonvulsants	311	Dibenzazepine anticonvulsants
057	Central nervous system agents	064	Anticonvulsants	345	Fatty acid derivative anticonvulsants
057	Central nervous system agents	064	Anticonvulsants	346	Gamma-aminobutyric acid reuptake inhibitors
057	Central nervous system agents	064	Anticonvulsants	347	Gamma-aminobutyric acid analogs
057	Central nervous system agents	064	Anticonvulsants	348	Triazine anticonvulsants
057	Central nervous system agents	064	Anticonvulsants	349	Carbamate anticonvulsants
057	Central nervous system agents	064	Anticonvulsants	350	Pyrrolidine anticonvulsants
057	Central nervous system agents	064	Anticonvulsants	351	Carbonic anhydrase inhibitor anticonvulsants
057	Central nervous system agents	064	Anticonvulsants	352	Urea anticonvulsants
057	Central nervous system agents	064	Anticonvulsants	446	Neuronal potassium channel openers
057	Central nervous system agents	064	Anticonvulsants	456	AMPA receptor antagonists
057	Central nervous system agents	065	Antiemetic/antivertigo agents	195	5HT3 receptor antagonists
057	Central nervous system agents	065	Antiemetic/antivertigo agents	196	Phenothiazine antiemetics
057	Central nervous system	065	Antiemetic/antivertigo agents	197	Anticholinergic antiemetics

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
	agents				
057	Central nervous system agents	065	Antiemetic/antivertigo agents	198	Miscellaneous antiemetics
057	Central nervous system agents	065	Antiemetic/antivertigo agents	481	NK1 receptor antagonists
057	Central nervous system agents	066	Antiparkinson agents	205	Anticholinergic antiparkinson agents
057	Central nervous system agents	066	Antiparkinson agents	206	Miscellaneous antiparkinson agents
057	Central nervous system agents	066	Antiparkinson agents	276	Dopaminergic antiparkinsonism agents
057	Central nervous system agents	067	Anxiolytics, sedatives, and hypnotics	068	Barbiturates
057	Central nervous system agents	067	Anxiolytics, sedatives, and hypnotics	069	Benzodiazepines
057	Central nervous system agents	067	Anxiolytics, sedatives, and hypnotics	070	Miscellaneous anxiolytics, sedatives and hypnotics
057	Central nervous system agents	071	CNS stimulants		
057	Central nervous system agents	072	General anesthetics		
057	Central nervous system agents	073	Muscle relaxants	074	Neuromuscular blocking agents
057	Central nervous system agents	073	Muscle relaxants	178	Skeletal muscle relaxants
057	Central nervous system agents	073	Muscle relaxants	179	Skeletal muscle relaxant combinations
057	Central nervous system agents	080	Miscellaneous central nervous system agents		
057	Central nervous system agents	253	Anorexiant		
057	Central nervous system agents	312	Cholinergic agonists		

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
057	Central nervous system agents	313	Cholinesterase inhibitors		
057	Central nervous system agents	378	Drugs used in alcohol dependence		
057	Central nervous system agents	496	VMAT2 inhibitors		
081	Coagulation modifiers	082	Anticoagulants	261	Heparins
081	Coagulation modifiers	082	Anticoagulants	262	Coumarins and indanediones
081	Coagulation modifiers	082	Anticoagulants	283	Thrombin inhibitors
081	Coagulation modifiers	082	Anticoagulants	285	Factor Xa inhibitors
081	Coagulation modifiers	083	Antiplatelet agents	211	Platelet aggregation inhibitors
081	Coagulation modifiers	083	Antiplatelet agents	212	Glycoprotein platelet inhibitors
081	Coagulation modifiers	083	Antiplatelet agents	463	Protease-activated receptor-1 antagonists
081	Coagulation modifiers	084	Heparin antagonists		
081	Coagulation modifiers	085	Miscellaneous coagulation modifiers		
081	Coagulation modifiers	086	Thrombolytics		
081	Coagulation modifiers	384	Platelet-stimulating agents		
081	Coagulation modifiers	488	Anticoagulant reversal agents		
087	Gastrointestinal agents	088	Antacids		
087	Gastrointestinal agents	090	Antidiarrheals		
087	Gastrointestinal agents	091	Digestive enzymes		
087	Gastrointestinal agents	092	Gallstone solubilizing agents		
087	Gastrointestinal agents	093	GI stimulants		
087	Gastrointestinal agents	094	H2 antagonists		
087	Gastrointestinal agents	095	Laxatives		
087	Gastrointestinal agents	096	Miscellaneous GI agents		

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
087	Gastrointestinal agents	272	Proton pump inhibitors		
087	Gastrointestinal agents	277	5-aminosalicylates		
087	Gastrointestinal agents	354	H. pylori eradication agents		
087	Gastrointestinal agents	355	Functional bowel disorder agents	089	Anticholinergics/antispasmodics
087	Gastrointestinal agents	355	Functional bowel disorder agents	356	Serotonergic neuroenteric modulators
087	Gastrointestinal agents	355	Functional bowel disorder agents	362	Chloride channel activators
087	Gastrointestinal agents	355	Functional bowel disorder agents	375	Peripheral opioid receptor antagonists
087	Gastrointestinal agents	355	Functional bowel disorder agents	455	Guanylate cyclase-C agonists
087	Gastrointestinal agents	355	Functional bowel disorder agents	490	Peripheral opioid receptor mixed agonists/antagonists
097	Hormones/hormone modifiers	098	Adrenal cortical steroids	300	Corticotropin
097	Hormones/hormone modifiers	098	Adrenal cortical steroids	301	Glucocorticoids
097	Hormones/hormone modifiers	098	Adrenal cortical steroids	302	Mineralocorticoids
097	Hormones/hormone modifiers	100	Miscellaneous hormones		
097	Hormones/hormone modifiers	101	Sex hormones	102	Contraceptives
097	Hormones/hormone modifiers	101	Sex hormones	182	Androgens and anabolic steroids
097	Hormones/hormone modifiers	101	Sex hormones	183	Estrogens
097	Hormones/hormone modifiers	101	Sex hormones	184	Gonadotropins
097	Hormones/hormone modifiers	101	Sex hormones	185	Progestins
097	Hormones/hormone modifiers	101	Sex hormones	186	Sex hormone combinations
097	Hormones/hormone modifiers	101	Sex hormones	187	Miscellaneous sex hormones

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
097	Hormones/hormone modifiers	101	Sex hormones	279	Gonadotropin-releasing hormone and analogs
097	Hormones/hormone modifiers	103	Thyroid hormones		
097	Hormones/hormone modifiers	288	5-alpha-reductase inhibitors		
097	Hormones/hormone modifiers	295	Growth hormones		
097	Hormones/hormone modifiers	318	Insulin-like growth factor		
097	Hormones/hormone modifiers	357	Growth hormone receptor blockers		
097	Hormones/hormone modifiers	377	Prolactin inhibitors		
097	Hormones/hormone modifiers	410	Adrenal corticosteroid inhibitors		
097	Hormones/hormone modifiers	411	Calcitonin		
097	Hormones/hormone modifiers	413	Antigonadotropic agents		
097	Hormones/hormone modifiers	414	Antidiuretic hormones		
097	Hormones/hormone modifiers	416	Somatostatin and somatostatin analogs		
097	Hormones/hormone modifiers	417	Selective estrogen receptor modulators		
097	Hormones/hormone modifiers	418	Parathyroid hormone and analogs		
097	Hormones/hormone modifiers	419	Gonadotropin-releasing hormone antagonists		
097	Hormones/hormone modifiers	420	Antiandrogens		

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
097	Hormones/hormone modifiers	422	Antithyroid agents		
097	Hormones/hormone modifiers	423	Aromatase inhibitors		
097	Hormones/hormone modifiers	424	Estrogen receptor antagonists		
097	Hormones/hormone modifiers	426	Synthetic ovulation stimulants		
097	Hormones/hormone modifiers	428	Progesterone receptor modulators		
097	Hormones/hormone modifiers	495	Calcimimetics		
105	Miscellaneous agents	106	Antidotes		
105	Miscellaneous agents	107	Chelating agents		
105	Miscellaneous agents	108	Cholinergic muscle stimulants		
105	Miscellaneous agents	109	Local injectable anesthetics		
105	Miscellaneous agents	110	Miscellaneous uncategorized agents		
105	Miscellaneous agents	111	Psoralens		
105	Miscellaneous agents	114	Illicit (street) drugs		
105	Miscellaneous agents	192	Antirheumatics		
105	Miscellaneous agents	270	Antipsoriatics		
105	Miscellaneous agents	284	Viscosupplementation agents		
105	Miscellaneous agents	320	Smoking cessation agents		
105	Miscellaneous agents	460	Phosphate binders		
105	Miscellaneous agents	491	Local injectable anesthetics with corticosteroids		
105	Miscellaneous agents	497	Cation exchange resins		
113	Genitourinary tract agents	263	Impotence agents		
113	Genitourinary tract agents	264	Urinary antispasmodics		
113	Genitourinary tract agents	265	Urinary pH modifiers		

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
113	Genitourinary tract agents	266	Miscellaneous genitourinary tract agents		
113	Genitourinary tract agents	412	Uterotonic agents		
113	Genitourinary tract agents	427	Tocolytic agents		
115	Nutritional products	116	Iron products		
115	Nutritional products	117	Minerals and electrolytes		
115	Nutritional products	118	Oral nutritional supplements		
115	Nutritional products	119	Vitamins		
115	Nutritional products	120	Vitamin and mineral combinations		
115	Nutritional products	121	Intravenous nutritional products		
122	Respiratory agents	123	Antihistamines		
122	Respiratory agents	124	Antitussives		
122	Respiratory agents	125	Bronchodilators	126	Methylxanthines
122	Respiratory agents	125	Bronchodilators	180	Adrenergic bronchodilators
122	Respiratory agents	125	Bronchodilators	181	Bronchodilator combinations
122	Respiratory agents	125	Bronchodilators	299	Anticholinergic bronchodilators
122	Respiratory agents	127	Decongestants		
122	Respiratory agents	128	Expectorants		
122	Respiratory agents	129	Miscellaneous respiratory agents		
122	Respiratory agents	130	Respiratory inhalant products	296	Inhaled corticosteroids
122	Respiratory agents	130	Respiratory inhalant products	297	Mucolytics
122	Respiratory agents	130	Respiratory inhalant products	298	Mast cell stabilizers
122	Respiratory agents	130	Respiratory inhalant products	407	Inhaled anti-infectives
122	Respiratory agents	131	Antiasthmatic combinations		
122	Respiratory agents	132	Upper respiratory combinations		
122	Respiratory agents	243	Leukotriene modifiers		

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
122	Respiratory agents	273	Lung surfactants		
122	Respiratory agents	435	Selective phosphodiesterase-4 inhibitors		
133	Topical agents	134	Anorectal preparations		
133	Topical agents	135	Antiseptic and germicides		
133	Topical agents	136	Dermatological agents	137	Topical anti-infectives
133	Topical agents	136	Dermatological agents	138	Topical steroids
133	Topical agents	136	Dermatological agents	139	Topical anesthetics
133	Topical agents	136	Dermatological agents	140	Miscellaneous topical agents
133	Topical agents	136	Dermatological agents	141	Topical steroids with anti-infectives
133	Topical agents	136	Dermatological agents	143	Topical acne agents
133	Topical agents	136	Dermatological agents	144	Topical antipsoriatics
133	Topical agents	136	Dermatological agents	248	Topical emollients
133	Topical agents	136	Dermatological agents	290	Topical antibiotics
133	Topical agents	136	Dermatological agents	291	Topical antivirals
133	Topical agents	136	Dermatological agents	292	Topical antifungals
133	Topical agents	136	Dermatological agents	380	Topical debriding agents
133	Topical agents	136	Dermatological agents	381	Topical depigmenting agents
133	Topical agents	136	Dermatological agents	382	Topical antihistamines
133	Topical agents	136	Dermatological agents	394	Topical astringents
133	Topical agents	136	Dermatological agents	395	Topical keratolytics
133	Topical agents	136	Dermatological agents	448	Topical non-steroidal anti-inflammatories
133	Topical agents	136	Dermatological agents	450	Topical antineoplastics
133	Topical agents	136	Dermatological agents	451	Topical photochemotherapeutics
133	Topical agents	136	Dermatological agents	453	Topical rubefacient
133	Topical agents	136	Dermatological agents	461	Topical anti-rosacea agents
133	Topical agents	146	Mouth and throat products		

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
133	Topical agents	147	Ophthalmic preparations	163	Ophthalmic anti-infectives
133	Topical agents	147	Ophthalmic preparations	164	Ophthalmic glaucoma agents
133	Topical agents	147	Ophthalmic preparations	165	Ophthalmic steroids
133	Topical agents	147	Ophthalmic preparations	166	Ophthalmic steroids with anti-infectives
133	Topical agents	147	Ophthalmic preparations	167	Ophthalmic anti-inflammatory agents
133	Topical agents	147	Ophthalmic preparations	168	Ophthalmic lubricants and irrigations
133	Topical agents	147	Ophthalmic preparations	169	Miscellaneous ophthalmic agents
133	Topical agents	147	Ophthalmic preparations	267	Ophthalmic antihistamines and decongestants
133	Topical agents	147	Ophthalmic preparations	286	Mydriatics
133	Topical agents	147	Ophthalmic preparations	287	Ophthalmic anesthetics
133	Topical agents	147	Ophthalmic preparations	321	Ophthalmic diagnostic agents
133	Topical agents	147	Ophthalmic preparations	322	Ophthalmic surgical agents
133	Topical agents	147	Ophthalmic preparations	353	Anti-angiogenic ophthalmic agents
133	Topical agents	148	Otic preparations	170	Otic anti-infectives
133	Topical agents	148	Otic preparations	171	Otic steroids with anti-infectives
133	Topical agents	148	Otic preparations	172	Miscellaneous otic agents
133	Topical agents	148	Otic preparations	370	Otic steroids
133	Topical agents	148	Otic preparations	392	Otic anesthetics
133	Topical agents	148	Otic preparations	393	Cerumenolytics
133	Topical agents	150	Sterile irrigating solutions		
133	Topical agents	151	Vaginal preparations	149	Spermicides
133	Topical agents	151	Vaginal preparations	268	Vaginal anti-infectives
133	Topical agents	151	Vaginal preparations	269	Miscellaneous vaginal agents
133	Topical agents	247	Nasal preparations	244	Nasal lubricants and irrigations

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
133	Topical agents	247	Nasal preparations	245	Nasal steroids
133	Topical agents	247	Nasal preparations	246	Nasal antihistamines and decongestants
133	Topical agents	247	Nasal preparations	344	Nasal anti-infectives
153	Plasma expanders				
218	Alternative medicines	219	Nutraceutical products		
218	Alternative medicines	220	Herbal products		
218	Alternative medicines	363	Probiotics		
242	Psychotherapeutic agents	079	Psychotherapeutic combinations		
242	Psychotherapeutic agents	249	Antidepressants	076	Miscellaneous antidepressants
242	Psychotherapeutic agents	249	Antidepressants	208	SSRI antidepressants
242	Psychotherapeutic agents	249	Antidepressants	209	Tricyclic antidepressants
242	Psychotherapeutic agents	249	Antidepressants	250	Monoamine oxidase inhibitors
242	Psychotherapeutic agents	249	Antidepressants	306	Phenylpiperazine antidepressants
242	Psychotherapeutic agents	249	Antidepressants	307	Tetracyclic antidepressants
242	Psychotherapeutic agents	249	Antidepressants	308	SSNRI antidepressants
242	Psychotherapeutic agents	251	Antipsychotics	077	Miscellaneous antipsychotic agents
242	Psychotherapeutic agents	251	Antipsychotics	210	Phenothiazine antipsychotics
242	Psychotherapeutic agents	251	Antipsychotics	280	Thioxanthenes
242	Psychotherapeutic agents	251	Antipsychotics	341	Atypical antipsychotics
254	Immunologic agents	033	Immune globulins		
254	Immunologic agents	104	Immunosuppressive agents	441	Calcineurin inhibitors
254	Immunologic agents	104	Immunosuppressive agents	442	TNF alpha inhibitors
254	Immunologic agents	104	Immunosuppressive agents	443	Interleukin inhibitors
254	Immunologic agents	104	Immunosuppressive agents	444	Selective immunosuppressants
254	Immunologic agents	104	Immunosuppressive agents	445	Other immunosuppressants
254	Immunologic agents	437	Immunostimulants	031	Bacterial vaccines

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
254	Immunologic agents	437	Immunostimulants	032	Colony stimulating factors
254	Immunologic agents	437	Immunostimulants	038	Viral vaccines
254	Immunologic agents	437	Immunostimulants	256	Interferons
254	Immunologic agents	437	Immunostimulants	432	Vaccine combinations
254	Immunologic agents	437	Immunostimulants	438	Interleukins
254	Immunologic agents	437	Immunostimulants	439	Other immunostimulants
254	Immunologic agents	437	Immunostimulants	440	Therapeutic vaccines
331	Radiologic agents	027	Radiopharmaceuticals	338	Diagnostic radiopharmaceuticals
331	Radiologic agents	027	Radiopharmaceuticals	339	Therapeutic radiopharmaceuticals
331	Radiologic agents	112	Radiocontrast agents	333	Miscellaneous iodinated contrast media
331	Radiologic agents	112	Radiocontrast agents	334	Lymphatic staining agents
331	Radiologic agents	112	Radiocontrast agents	335	Magnetic resonance imaging contrast media
331	Radiologic agents	112	Radiocontrast agents	336	Non-iodinated contrast media
331	Radiologic agents	112	Radiocontrast agents	337	Ultrasound contrast media
331	Radiologic agents	112	Radiocontrast agents	368	Non-ionic iodinated contrast media
331	Radiologic agents	112	Radiocontrast agents	369	Ionic iodinated contrast media
331	Radiologic agents	112	Radiocontrast agents	464	Miscellaneous diagnostic dyes
331	Radiologic agents	332	Radiologic adjuncts	374	Cardiac stressing agents
331	Radiologic agents	332	Radiologic adjuncts	376	Radiologic conjugating agents
358	Metabolic agents	019	Antihyperlipidemic agents	173	HMG-CoA reductase inhibitors (statins)
358	Metabolic agents	019	Antihyperlipidemic agents	174	Miscellaneous antihyperlipidemic agents
358	Metabolic agents	019	Antihyperlipidemic agents	241	Fibric acid derivatives
358	Metabolic agents	019	Antihyperlipidemic agents	252	Bile acid sequestrants
358	Metabolic agents	019	Antihyperlipidemic agents	316	Cholesterol absorption inhibitors

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
358	Metabolic agents	019	Antihyperlipidemic agents	317	Antihyperlipidemic combinations
358	Metabolic agents	019	Antihyperlipidemic agents	484	PCSK9 inhibitors
358	Metabolic agents	099	Antidiabetic agents	213	Sulfonylureas
358	Metabolic agents	099	Antidiabetic agents	214	Biguanides
358	Metabolic agents	099	Antidiabetic agents	215	Insulin
358	Metabolic agents	099	Antidiabetic agents	216	Alpha-glucosidase inhibitors
358	Metabolic agents	099	Antidiabetic agents	271	Thiazolidinediones
358	Metabolic agents	099	Antidiabetic agents	282	Meglitinides
358	Metabolic agents	099	Antidiabetic agents	309	Miscellaneous antidiabetic agents
358	Metabolic agents	099	Antidiabetic agents	314	Antidiabetic combinations
358	Metabolic agents	099	Antidiabetic agents	371	Dipeptidyl peptidase 4 inhibitors
358	Metabolic agents	099	Antidiabetic agents	372	Amylin analogs
358	Metabolic agents	099	Antidiabetic agents	373	GLP-1 receptor agonists
358	Metabolic agents	099	Antidiabetic agents	458	SGLT-2 inhibitors
358	Metabolic agents	194	Antigout agents		
358	Metabolic agents	289	Antihyperuricemic agents		
358	Metabolic agents	293	Glucose elevating agents		
358	Metabolic agents	359	Peripherally acting antiobesity agents		
358	Metabolic agents	360	Lysosomal enzymes		
358	Metabolic agents	361	Miscellaneous metabolic agents		
358	Metabolic agents	409	Bone resorption inhibitors	217	Bisphosphonates
358	Metabolic agents	409	Bone resorption inhibitors	415	Miscellaneous bone resorption inhibitors
358	Metabolic agents	452	CFTR modulators		
358	Metabolic agents	459	Urea cycle disorder agents		
358	Metabolic agents	466	Bone morphogenetic proteins		
358	Metabolic agents	487	CFTR combinations		

LEVEL 1		LEVEL 2		LEVEL 3	
CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME	CAT ID	CATEGORY NAME
365	Medical gas				
462	Allergenics				
899	Pharmaceutical aids				