

NATIONAL HOSPITAL DISCHARGE SURVEY

2000

PUBLIC USE DATA FILE DOCUMENTATION

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

**Centers for Disease Control and Prevention
National Center for Health Statistics
Division of Health Care Statistics
Hospital Care Statistics Branch
6525 Belcrest Road, Room 956
Hyattsville, MD 20782
301.458.4321**

NHDS@cdc.gov

<http://www.cdc.gov/nchs/about/major/hdasd/nhds.htm>

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Abstract

This document provides information for users of the National Hospital Discharge Survey (NHDS) Public Use Data File for 2000. The NHDS is conducted annually by the National Center for Health Statistics (NCHS) and is a principal source of information on inpatient hospital utilization in the United States.

Section I describes the survey and includes information on the history and scope of the NHDS; the methodology, including data collection and medical coding procedures; population estimates; measurement errors and sampling errors.

Section II provides technical details about the file.

Section III provides a detailed description of the contents of each data record.

Appendix A defines certain terms used in this document; *Appendix B* lists the ICD-9-CM Addenda; *Appendix C* provides population estimates to allow for the calculation of rates; *Appendix D* provides unweighted and weighted frequencies for selected variables; and *Appendix E* includes a copy of the NHDS Medical Abstract Form.

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I. DESCRIPTION OF THE NATIONAL HOSPITAL DISCHARGE SURVEY

Introduction. This document and its appendices contain information for users of the 2000 National Hospital Discharge Survey (NHDS) public use data file. Conducted annually by the National Center for Health Statistics, NHDS collects medical and demographic information from a sample of discharge records selected from a national sample of non-Federal, short-stay hospitals. The data serve as a basis for calculating statistics on hospital inpatient utilization in the United States. For a brief description of the survey design and data collection procedures, see below. For a more detailed description of the survey design, data collection procedures, and the estimation process, see Reference 1. Publications based on the data for each survey year can be obtained from the NCHS website at: <http://www.cdc.gov/nchs/about/major/hdasd/listpubs.htm>.

History. To provide more complete and precise information on the utilization of the Nation's hospitals and on the nature and treatment of illness among the hospitalized population, in 1962 the NCHS began exploring possibilities for surveying morbidity in hospitals. A national advisory group was established. The NCHS conducted planning discussions with other officials of the Public Health Service. Hospitalization material from the Survey Research Center of the University of Michigan, the American Hospital Association, and the Professional Activities Study was examined and evaluated. In 1963, a study by the School of Public Health of the University of Pittsburgh under contract to the NCHS demonstrated the feasibility of an NHDS type of program. An additional pilot study using enumerators from the Bureau of the Census was conducted in late 1964 and confirmed the University of Pittsburgh's findings.

Finally, with advice and support from the American Hospital Association, the American Medical Association, individual experts, other professional groups, and officials of the U.S. Public Health Service, the NCHS initiated the National Hospital Discharge Survey in 1964.

SURVEY METHODOLOGY

Source of the Data. The National Hospital Discharge Survey (NHDS) covers discharges from noninstitutional hospitals, exclusive of Federal, military, and Veterans Administration hospitals, located in the 50 States and the District of Columbia. Only short-stay hospitals (hospitals with an average length of stay for all patients of less than 30 days) or those whose specialty is general (medical or surgical) or children's general are included in the survey. These hospitals must also have six or more beds staffed for patient use. These criteria, used from 1988 through the current survey year, differ slightly from those used prior to 1988.

Beginning in 1988, the NHDS sampling frame consisted of hospitals that were listed in the April 1987 SMG Hospital Market Data File (2), met the above criteria, and began accepting patients by August 1987. The hospital sample was updated in 1991, 1994, 1997, and 2000 to allow for hospitals that opened later or changed their eligibility status since the previous sample update. In 2000, the sample consisted of 509 hospitals. Of the 509 hospitals, 28 were found to be out-of-scope (ineligible) because they went out of business or otherwise failed to meet the criteria for the NHDS universe. Of the 481 in-scope (eligible) hospitals, 434 hospitals responded to the survey.

Sample design and data collection. The NCHS has conducted the NHDS continuously since 1965. The original sample was selected in 1964 from a frame of short-stay hospitals listed in the National Master Facility Inventory (NMFI). That sample was updated periodically with samples of hospitals that opened later. Sample hospitals were selected with probabilities ranging from certainty for the largest hospitals to 1 in 40 for the smallest hospitals. Within each sampled hospital, a systematic random sample of discharges was selected. A report on the design and development of the original NHDS has been published (3).

In 1988, the NHDS was redesigned to provide geographic sampling comparability with other surveys conducted by the NCHS; to update the sample of hospitals selected into the survey; and to maximize

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the use of data collected through automated systems. As did the original design, the redesigned NHDS sample included with certainty the largest hospitals. The remaining sample of hospitals was based on a stratified, three-stage design. The first stage consisted of selecting 112 primary sampling units (PSU's) that comprised a probability subsample of PSU's used in the 1985-94 National Health Interview Survey. The second stage consisted of selecting non-certainty hospitals from the sampled PSU's. At the third stage a sample of discharges was selected by a systematic random sampling technique.

These changes in the survey may affect trend data. That is, some of the differences between NHDS statistics based on the 1965-87 sample and statistics based on the sample drawn for the new design may be due to sampling error rather than actual changes in hospital utilization.

Two data collection procedures were used for the survey. The first was a manual system of sample selection and data abstraction, used for approximately 61 percent of the responding hospitals. The second was an automated method, used for approximately 39 percent of the responding hospitals. The automated method involved the purchase of computerized data files from abstracting service organizations, state data systems, or from the hospitals themselves.

In the manual system, the sample selection and the transcription of information from the hospital records to abstract forms were performed at the hospitals. Of the hospitals using this system in 2000, about 32 percent had the work performed by their own medical records staff. In the remaining hospitals using the manual system, personnel of the U.S. Bureau of the Census did the work on behalf of NCHS. The completed forms, along with sample selection control sheets, were forwarded to NCHS for coding, editing, and weighting.

For the automated system, NCHS purchased files containing machine-readable medical record data from which records were systematically sampled by NCHS.

The Medical Abstract Form (Appendix E) and the automated data contain items relating to the personal characteristics of the patient, including birth date or age, sex, race, and marital status, but not name and address; administrative information, including admission and discharge dates, discharge status, and medical record number; and medical information, including diagnoses and surgical and nonsurgical procedures. Since 1977, patient zip code, expected source of payment, and dates of surgery have also been collected. (The medical record number, date of birth, and patient zip code are confidential information and are not available to the public).

Medical Coding and Edits. The medical information that was recorded manually on the sample patient abstracts was coded centrally by NCHS staff. A maximum of seven diagnostic codes was assigned for each sample abstract. In addition, if the medical information included surgical or nonsurgical procedures, a maximum of four codes for these procedures was assigned. The system currently used for coding the diagnoses and procedures on the medical abstract forms as well as on the commercial abstracting services data files is the *International Classification of Diseases, 9th Revision, Clinical Modification*, or ICD-9-CM (4).

NHDS usually presents diagnoses and procedures in the order they are listed on the abstract form or obtained from abstract services; however, there are exceptions. For women discharged after a delivery, a code of V27 from the supplemental classification is entered as the first-listed code, with a code designating either normal or abnormal delivery in the second-listed position. In another exception, a decision was made to reorder some acute myocardial infarction diagnoses. If an acute myocardial infarction is listed with other circulatory diagnoses and is other than the first entry, it is reordered to first position. If a symptom appears as a first-listed code and a diagnosis appears as a secondary code, the diagnosis replaces the symptom which is moved back.

Following conversion of the data on the medical abstract to a computer file and combining it with the automated data files, a final medical edit was accomplished by computer inspection and by a manual review of rejected records. Priority was given to medical information in the editing decision.

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A new edit program was developed for the NHDS and was implemented beginning in the 1996 data year. The updated edit program, while following the same general specifications as the previous edit program, was designed to make as few changes as possible in the data. Thus, there may be some minor anomalies in certain areas which would be apparent when examining data over time, performing trend analyses, or examining combinations of variables. Particular features of the new edit program which may affect certain variables are:

- < An improved imputation procedure for missing **age** and **sex** data was developed, which maintains the known distribution of these variables, according to categories of the First-Listed Diagnosis.
- < There is no longer a re-ordering of the **procedure codes**.
- < Principal and additional **expected sources of payment** are no longer re-ordered, with one exception: *Self-Pay* is listed as the principal source only if there are no other sources, or the only other source is *Not Stated*; otherwise it must be listed after every other source (except *Not Stated*).
- < An arbitrary **month of admission** is no longer assigned to records received from abstract services which do not provide the exact date of admission and discharge.

Users of the National Hospital Discharge Survey (NHDS) diagnostic and/or procedure data, which is coded to the ICD-9-CM, must take into account annual ICD-9-CM addendum. The addendum lists new codes, new fourth or fifth digits to existing codes, as well as other modifications. Changes go into effect October 1 of the calendar year. Addendum changes for 1986 through 1998 are listed in Appendix B. Because of unforeseen or potential problems associated with the millennium change, no addendum was released in 1999. Therefore, coding of the 2000 data is consistent with the ICD-9-CM and the addendum which became effective October 1, 1998. For more information about the ICD-9-CM visit: <http://www.cdc.gov/nchs/icd9.htm>.

The Uniform Hospital Discharge Data Set (UHDDS). Starting with 1979 data, the NHDS has followed guidelines of the Uniform Hospital Discharge Data Set (UHDDS) within the confines of its contractual agreement with participating hospitals. The UHDDS is a minimum data set of items uniformly defined (4). These items were selected on the basis of their usefulness to a broad range of organizations and agencies requiring hospital information, uniformity of definition, and general availability from medical records and abstract services.

Population Estimates. Appendix C provides estimates of the civilian population of the United States as of July 1, 2000, which have been provided by the U.S. Bureau of the Census. These estimates have been adjusted for net underenumeration using the 1990 National Population Adjustment Matrix. NOTE THAT PRIOR TO THE 1997 DATA YEAR, CENSUS ESTIMATES OF THE CIVILIAN POPULATION PROVIDED WITH THE NHDS PUBLIC USE DATA FILE DOCUMENTATION WERE NOT ADJUSTED FOR THE UNDERCOUNT.

Confidentiality. Persons using the public use file agree to abide by the confidentiality restrictions that accompany use of the data. Specifically, they agree that, in the event of inadvertent discovery of the identity of any individual or establishment, then: (a) no use will be made of this knowledge; (b) the director of NCHS will be advised of the incident; (c) the information that would identify the individual or establishment will be safe-guarded or destroyed, as requested by NCHS; and (d) no one else will be informed of the discovered identity.

Maintaining the confidentiality of survey respondents, whether individuals or establishments, is a responsibility of NCHS as described in section 308(d) of the Public Health Service Act. As such it may be necessary for NCHS to block the release of data or modify variables that may, because of their unique nature, lead to inadvertent disclosure of the identity of a participating facility or respondent.

Measurement Errors. As in any survey, results are subject to nonsampling or measurement errors, which include errors due to hospital nonresponse, missing abstracts, information incompletely or inaccurately recorded on abstract forms, and processing errors. A very small proportion, (less than one-half of one percent) of the discharge records failed to include the sex, age, or date of birth of the patient. If the hospital record did not state either the age or sex of patient, it was imputed by

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assigning an age or sex value according to the specifications described earlier. In a very few cases (about a quarter of a percent of the records), the age or sex was edited, because it was inconsistent with the diagnosis. In 2000, data for RACE were missing for 28.8 percent of the discharges, and no attempt was made to impute for these missing values.

Other edit and imputation procedures may have been applied to data in the NHDS collected in automated form.

Sampling errors and rounding of numbers. The standard error is primarily a measure of sampling variability that occurs by chance because only a sample rather than the entire universe is surveyed. The relative standard error of the estimate is obtained by dividing the standard error by the estimate itself. The resulting value is multiplied by 100, so the relative standard error is expressed as a percent of the estimate. Estimates of sampling variability were calculated with SUDAAN software, which computes standard errors by using a first-order Taylor series approximation of the deviation of estimates from their expected values. A description of the software and the approach it uses was published by Bieler and Williams (6).

Relative Standard Errors for Aggregate Estimates

Parameters for calculating approximate relative standard errors for aggregate estimates are presented in Table 1. To derive error estimates that would be applicable to a wide variety of statistics, numerous estimates and their variances were produced. A regression model was then used to produce best-fit curves, based on the empirically determined relationship between the size of an estimate X and its relative variance. The relative standard error of an estimate X [RSE(X)] is the square root of the relative variance and may be calculated from the formula:

$$RSE(X) = SQRT(a + b/X)$$

with a and b provided in Table 1. When multiplied by 100, the RSE(X) is expressed as a percent of X.

For example, in 2000 the estimated number of discharges from short-stay hospitals for children under age 15 with a first-listed diagnosis of asthma (ICD-9-CM code 493) was 203,000. Using the applicable constants from Table 1 for estimates by age produces:

$$RSE(203,000) = SQRT(.021332 + (284.11415/203,000))$$

$$RSE(203,000) = .151$$

When multiplied by 100, the relative standard error for the estimate of interest becomes 15.1 percent. The standard error of the estimate is obtained by multiplying the relative standard error by the estimate itself:

$$SE(203,000) = 203,000 * .151 = 30,653$$

The standard error can be used to generate confidence intervals for statistical testing. In this example, the 95% confidence interval for the estimate of children under age 15 with a first-listed diagnosis of asthma is:

$$(203,000 - 2*30,653) <-> (203,000 + 2*30,653)$$

$$141,694 <-> 264,306$$

Relative Standard Error for Estimates of Percents

Approximate relative standard errors for estimates of percents may also be calculated from Table 1.

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The relative standard error for a percent, $100p$ ($0 < p < 1$), may be calculated using the formula:

$$RSE(p) = SQRT(b * (1 - p)/(p * X))$$

where $100p$ is the percent of interest, X is the base of the percent, and b is the parameter b in the formula for approximating the $RSE(X)$. The values for b are given in Table 1. When multiplied by 100, the $RSE(p)$ is expressed as a percent of the estimate, p .

For example, in 2000 the estimated number of discharges from short-stay hospitals who were women was 19,192,000. This is 60.5 percent of the estimated 31,706,000 total discharges for that year. Using the applicable constants from Table 1 for estimates by sex produces:

$$RSE(.605) = SQRT(300.21724 * (1 - .605)/(.605 * 31,706,000))$$

$$RSE(.605) = .00249$$

When multiplied by 100, the relative standard error for the estimate of interest becomes .249 percent. The standard error is obtained by multiplying the relative standard error by the estimate itself:

$$SE(.605) = .605 * .00249 = .0015$$

The standard error can be used to calculate confidence intervals for statistical testing. In this example, the 95% confidence interval for the estimate of the percentage of female inpatients is:

$$(.605 - 2*.0015) <-> (.605 + 2*.0015)$$

$$.602 <-> .608$$

$$\text{or, equivalently, } 60.2\% <-> 60.8\%$$

Relative Standard Error for Ratio Estimators

The approximate RSE of a ratio (X/Y) in which the numerator (X) and the denominator (Y) are both estimated from the same survey, but the numerator is not a subclass of the denominator, is calculated using the formula:

$$RSE(X/Y) = SQRT(RSE^2(X) + RSE^2(Y))$$

The approximation is valid if the RSE of the denominator is less than 5 percent or the RSE's of the numerator and denominator are both less than 10 percent. When multiplied by 100, the $RSE(X/Y)$ is expressed as a percent of the ratio estimate, X/Y .

For example, average length of stay (ALOS) is considered a ratio estimator since it is the ratio of days of care to the number of discharges. In 2000, the estimated number of days of care for inpatients with a first-listed diagnosis of septicemia (ICD-9-CM code 038) was 2,597,000. The estimated number of discharges for inpatients with a first-listed diagnosis of septicemia was 326,000. The ALOS for inpatients with a first-listed diagnosis of septicemia was $2,597,000/326,000 = 8.0$.

To compute the RSE for ALOS, first compute the RSE for the estimated number of days of care and the RSE for the estimated number of discharges. See the section above on **Relative Standard Errors for Aggregate Estimates** for computation of these RSE's.

$$RSE(2,597,000) = .0618$$

$$RSE(326,000) = .0568$$

Next, substitute those RSE's into the formula above to approximate the RSE for the ALOS estimate:

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$$RSE(8.0) = SQRT((.0618)^2 + (.0568)^2)$$

$$RSE(8.0) = .0839$$

The standard error of the estimate is obtained by multiplying the relative standard error by the estimate itself:

$$SE(8.0) = .0839 * 8.0 = .671$$

The standard error can be used to generate confidence intervals for statistical testing. In this example, the 95% confidence interval for the estimate of the ALOS for inpatients diagnosed with septicemia is:

$$(8.0 - 2*.671) <-> (8.0 + 2*.671)$$

$$6.7 <-> 9.3$$

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Table 1. Parameter values for relative standard errors for National Hospital Discharge Survey aggregate statistics by statistic type: United States, 2000

| Characteristic | FIRST-LISTED DIAGNOSIS | | DAYS OF CARE | | ALL-LISTED DIAGNOSES | | ALL-LISTED PROCEDURES | |
|--|------------------------|-----------|--------------|------------|----------------------|-----------|-----------------------|-----------|
| | a | B | a | b | a | b | a | b |
| TOTAL | 0.002287 | 307.96962 | 0.003503 | 824.08156 | 0.002846 | 279.63119 | 0.003840 | 309.28733 |
| SEX | | | | | | | | |
| Male | 0.002492 | 330.84852 | 0.004031 | 1524.79149 | 0.004294 | 453.83201 | 0.004677 | 284.75142 |
| Female | 0.002296 | 300.21724 | 0.003590 | 758.48227 | 0.002176 | 277.66480 | 0.002855 | 296.90783 |
| AGE GROUP | | | | | | | | |
| Under 15 years | 0.021332 | 284.11415 | 0.035212 | 520.36022 | 0.023027 | 249.07632 | 0.031270 | 242.65411 |
| 15-44 years | 0.002306 | 309.63184 | 0.003788 | 846.80014 | 0.002161 | 303.96264 | 0.003001 | 307.89369 |
| 45-64 years | 0.002495 | 294.03933 | 0.003990 | 1245.18684 | 0.003046 | 312.39495 | 0.004791 | 287.43793 |
| 65 years and over | 0.003283 | 334.40841 | 0.003590 | 2018.69120 | 0.003000 | 362.13321 | 0.004734 | 311.25612 |
| REGION | | | | | | | | |
| Northeast | 0.013516 | 176.21901 | 0.017328 | 581.83012 | 0.018498 | 189.26179 | 0.017236 | 293.50715 |
| Midwest | 0.009542 | 213.25373 | 0.012172 | 428.23450 | 0.010369 | 231.86476 | 0.013317 | 120.09107 |
| South | 0.003554 | 363.25616 | 0.006166 | 1223.94608 | 0.004845 | 352.50429 | 0.005879 | 261.57132 |
| West | 0.005469 | 351.03280 | 0.010168 | 1046.78781 | 0.005785 | 346.80421 | 0.008474 | 316.77742 |
| RACE | | | | | | | | |
| White | 0.004180 | 346.49528 | 0.006018 | 919.13719 | 0.007361 | 352.42351 | 0.004811 | 317.21730 |
| Black | 0.005455 | 240.64604 | 0.008475 | 859.96136 | 0.005781 | 209.24930 | 0.010493 | 177.67685 |
| All other | 0.021333 | 222.49920 | 0.038480 | 476.52066 | 0.028589 | 285.70901 | 0.028614 | 267.60494 |
| Race not stated | 0.018744 | 278.76061 | 0.019217 | 837.45019 | 0.021136 | 256.13906 | 0.025611 | 174.22370 |
| EXPECTED SOURCE OF PAYMENT | | | | | | | | |
| Medicare | 0.003730 | 347.59293 | 0.004077 | 1885.28816 | 0.003649 | 315.73286 | 0.004973 | 325.03095 |
| Medicaid | 0.006329 | 323.72265 | 0.009505 | 1113.96754 | 0.005271 | 363.82164 | 0.007488 | 305.73437 |
| Worker's compensation & Other govt payments | 0.010432 | 337.34361 | 0.022387 | 1100.21733 | 0.017122 | 259.22962 | 0.015112 | 274.59336 |
| HMO/PPO | 0.004596 | 267.09076 | 0.008327 | 467.29188 | 0.004956 | 235.70957 | 0.005690 | 231.02811 |
| BC/BS & Other private insurance | 0.005157 | 295.04612 | 0.007509 | 828.24439 | 0.005760 | 296.04960 | 0.009506 | 334.25082 |
| Self pay | 0.004822 | 314.42800 | 0.007746 | 1005.64303 | 0.004554 | 312.44459 | 0.006655 | 260.43225 |
| No charge and other | 0.038141 | 171.15139 | 0.051189 | 506.79249 | 0.037292 | 200.24927 | 0.043448 | 144.74118 |

Users of NHDS data are cautioned that computed estimates based on fewer than 30 unweighted records are not reliable and should not be reported. Because these estimates are based on so few data points, they are excluded from the calculation of the generalized variance curves. Thus, application of generalized variance curves is appropriate only for estimates based on at least 30 records.

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Presentation of Estimates. Publication of estimates for the NHDS is based on the relative standard error of the estimate and the number of sample records on which the estimate is based (referred to as the sample size). Estimates are not presented in NCHS reports unless a reasonable assumption regarding the probability distribution of the sampling error is possible.

Based on consideration of the complex sample design of the NHDS, the following guidelines are used for presenting the NHDS estimates:

If the sample size is less than 30, the value of the estimate is not reported.

If the sample size is 30-59, the value of the estimate is reported but should not be assumed reliable.

If the sample size is 60 or more and the relative standard error is less than 30 percent, the estimate is reported.

If the relative standard error of any estimate is over 30 percent, the estimate is considered to be unreliable. It is left to the author to decide whether or not to present it. However, if the author chooses to present the unreliable estimate, the consumer of the statistic must be informed that the statistic is not reliable.

Monthly and Seasonal Estimates Under the New Design. An important difference between the old and new designs is the method used to adjust for nonresponse. In the old design, weights for responding hospitals were adjusted each month to account for hospitals that did not respond for that month. In the new design, the type of nonresponse adjustment applied depended on whether the hospital was considered a nonrespondent or partial respondent. A nonresponding hospital was one which failed to provide at least half of the expected number of discharges for at least half of the months for which it was in-scope. In this case, weights of discharges from hospitals similar to the nonresponding hospital were inflated to account for discharges of the nonrespondent hospital. However, this adjustment was performed just once, after the close out of the survey for the year, instead of monthly as before.

For partially responding hospitals, one or both of two adjustments were made. If the hospital provided at least half, but not all, of the expected number of abstracts for a given month, the weights of the abstracts actually collected for that month were inflated to account for the missing abstracts. If fewer than half of the expected number of abstracts were provided, the weights of the abstracts provided were inflated by a factor of two, then a second adjustment was made to account for the excess nonresponse. In the second adjustment, the weights of the discharges in the hospital's respondent months were inflated by ratios that varied by category of first-listed ICD-9-CM diagnostic code. This adjustment ratio was based on the hospital's month(s) of nonresponse and the month-by-month distributions of first-listed diagnostic groups among discharges from hospitals which responded for all twelve months. The ratio accounts for the seasonality in the occurrence of the first-listed diagnostic groups for annual statistics, but not for partial year estimates. As a result monthly and seasonal estimates may be skewed. While the effect is believed to be small, it is recommended that partial year estimates NOT be produced. In the 2000 NHDS, 87 percent of the 434 responding hospitals provided data for all twelve months, and 97 percent provided at least nine months of data.

How to Use the Data File. The NHDS records are weighted to allow inflation to national or regional estimates. The weight applied to each record is found in location 21-25. To produce an estimate of the number of discharges, the weights for the desired records must be summed. To produce an estimate for number of days of care, the weight must be multiplied by the days of care (location 13-16) and these products are summed. Average length of stay data can be obtained by dividing the days of care by the number of discharges as calculated above.

Appendix D contains unweighted and weighted frequencies for selected variables. These may be used as a cross-check when processing NHDS data.

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Diagnosis-Related Groups (DRGs). Many users of the NHDS data have expressed an interest in converting the medical data to DRGs. This has been done using DRG Grouper Programs obtained from the Centers for Medicare and Medicaid Services (formerly HCFA). The DRGs and the DRG Grouper Programs were developed outside of the National Center for Health Statistics; any questions about DRGs, other than specific questions about how they relate to NHDS data, should be addressed elsewhere.

Questions. Questions concerning NHDS data should be directed to:

Centers for Disease Control and Prevention
National Center for Health Statistics
Division of Health Care Statistics
Hospital Care Statistics Branch
6525 Belcrest Road, Room 956
Hyattsville, Maryland 20782
Phone: 301.458.4321
Fax: 301.458.4032
email: NHDS@cdc.gov

For more information about the NHDS, visit our website:
<http://www.cdc.gov/nchs/about/major/hdasd/nhds.htm>

For email discussions and dissemination of NHDS data, join the Hospital Discharge and Ambulatory Surgery Data listserv (HDAS-DATA). In the body of an email message (leaving the subject line blank), type:

subscribe hdas-data Your Name

Send this message to:
listserv@cdc.gov

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II. TECHNICAL DESCRIPTION OF DATA FILE

| | |
|-------------------|----------------|
| Data Set Name | NHDS00.PU.DISK |
| Record Length | 85 |
| Number of Records | 313,259 |

III. RECORD LAYOUT: Location and Coding of Data Elements

This section provides detailed information for each sampled record on the file, with a description of each item included on the record. Data elements are arranged sequentially according to their physical location on the file. Unless otherwise stated in the Item Description, the data are derived from the abstract form or from automated sources. The SMG Hospital Market Data File and the hospital interview are alternate sources of data; some other items are computer generated.

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| Item Number | Location | Number of Positions | Item description | Code description |
|-------------|----------|---------------------|-------------------------------|--|
| 1 | 1-2 | 2 | Survey Year | 00 |
| 2 | 3 | 1 | Newborn status | 1=Newborn 2=Not newborn |
| 3 | 4 | 1 | Units for age | 1=Years 2=Months 3=Days |
| 4 | 5-6 | 2 | Age in years, months, or days | If units=years: 00-99* If units=months: 01-11 If units=days: 00-28 *Ages 100 and over were recoded to 99 |
| 5 | 7 | 1 | Sex | 1=Male 2=Female |
| 6 | 8 | 1 | Race | 1=White 2=Black 3=American Indian/Alaskan Native 4=Asian 5=Native Hawaiian or other Pacific Isldr 6=Other 8=Multiple race indicated 9=Not stated |
| 7 | 9 | 1 | Marital status | 1=Married 2=Single 3=Widowed 4=Divorced 5=Separated 9=Not stated |
| 8 | 10-11 | 2 | Discharge month | 01-12=January to December |
| 9 | 12 | 1 | Discharge Status | 1=Routine/discharged home 2=Left against medical advice 3=Discharged/transferred to short-term facility 4=Discharged/transferred to long-term care institution 5=Alive, disposition not stated 6=Dead 9=Not stated or not reported |
| 10 | 13-16 | 4 | Days of care | Use to calculate number of days of care. Values of zero generated by the computer from admission and discharge dates were changed to one. (Discharges for which dates of admission and discharge are the same are identified in Item Number 11) |

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| | | | | |
|----|-------|---|--------------------------------------|---|
| 11 | 17 | 1 | Length of stay flag | 0=Less than 1 day 1=One day or more |
| 12 | 18 | 1 | Geographic region | 1=Northeast 2=Midwest 3=South 4=West |
| 13 | 19 | 1 | Number of beds, recode | 1=6-99 2=100-199 3=200-299 4=300-499 5=500 and over |
| 14 | 20 | 1 | Hospital ownership | 1=Proprietary 2=Government 3=Nonprofit, including church |
| 15 | 21-25 | 5 | Analysis weight | Use to obtain weighted estimates |
| 16 | 26-27 | 2 | First two digits of survey year | 20 |
| 17 | 28-32 | 5 | Diagnosis code #1 | * |
| 18 | 33-37 | 5 | Diagnosis code #2 | * |
| 19 | 38-42 | 5 | Diagnosis code #3 | * |
| 20 | 43-47 | 5 | Diagnosis code #4 | * |
| 21 | 48-52 | 5 | Diagnosis code #5 | * |
| 22 | 53-57 | 5 | Diagnosis code #6 | * |
| 23 | 58-62 | 5 | Diagnosis code #7 | * |
| 24 | 63-66 | 4 | Procedure code#1 | * |
| 25 | 67-70 | 4 | Procedure code#2 | * |
| 26 | 71-74 | 4 | Procedure code#3 | * |
| 27 | 75-78 | 4 | Procedure code#4 | * |
| 28 | 79-80 | 2 | Principal expected source of payment | 01=Worker's compensation 02=Medicare 03=Medicaid 04=Other government |

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| | | | | |
|----|-------|---|--------------------------------------|---|
| | | | | 05=Blue Cross/Blue Shield 06=HMO/PPO 07=Other private insurance 08=Self-pay 09=No charge 10=Other 99=Not stated |
| 29 | 81-82 | 2 | Secondary expected source of payment | Same coding as item 28 above |
| 30 | 83-85 | 3 | Diagnosis-Related Groups (DRG) | Grouper version 17.0 |

 *Diagnosis and procedure codes are in compliance with the *International Classification of Diseases, 9th Revision, Clinical Modification, (ICD-9-CM)*. For **diagnosis** codes, there is an implied decimal between positions 3 and 4. For E-codes, the implied decimal is between the 4th and 5th position. For inapplicable 4th or 5th digits, a dash is inserted. For **procedure** codes, there is an implied decimal between positions 2 and 3. For inapplicable 3rd or 4th digits, a dash is inserted.

APPENDIX A

DEFINITION OF TERMS

Terms relating to hospitals and hospitalization

Hospitals: Short stay hospitals or hospitals whose specialty is general (medical or surgical), or children's general. Hospitals must have 6 beds or more staffed for patients use. Federal hospitals and hospital units of institutions are not included.

Type of ownership of hospital: The type of organization that controls and operates the hospital. Hospitals are grouped as follows:

Not for Profit: Hospitals operated by a church or another not for profit organization.

Government: Hospitals operated by State and local government.

Proprietary: Hospitals operated by individuals, partnerships, or corporations for profit.

Patient: A person who is formally admitted to the inpatient service of a short-stay hospital for observation, care, diagnosis, or treatment, or by birth.

Discharge: The formal release of a patient by a hospital; that is, the termination of a period of hospitalization by death or by disposition to place of residence, nursing home, or another hospital. The terms "discharges" and "patients discharged" are used synonymously.

Discharge rate: The ratio of the number of hospital discharges during the year to the number of persons in the civilian population on July 1 of that year.

Days of care: The total number of patient days accumulated at time of discharge by patients discharged from short stay hospitals during a year. A stay of less than 1 day (patient admission and discharge on the same day) is counted as 1 day in the summation of total days of care. For patients admitted and discharged on different days, the number of days of care is computed by counting all days from (and including) the date of admission to (but not including) the date of discharge.

Rate of days of care: The ratio of the number of patient days accumulated at time of discharge to the number of persons in the civilian population on July 1 of that year.

Average length of stay: The total number of days of care accumulated at time of discharge by patients discharged during the year, divided by the number of patients discharged.

Terms relating to diagnoses and procedures

Discharge diagnoses: One or more diseases or injuries (or some factor that influences health status and contact with health services that is not itself a current illness or injury) listed by the attending physician on the medical record of a patient. In the NHDS, discharge (or final) diagnoses listed on the face sheet (summary sheet) of the medical record are transcribed in the order listed. Each sample discharge is assigned a maximum of seven five-digit codes according to ICD-9-CM (4).

Principal diagnosis: The condition established after study to be chiefly responsible for occasioning the admission of the patient to the hospital for care.

First-listed diagnosis: The coded diagnosis identified as the principal diagnosis or listed first on the face sheet of the medical record if the principal diagnosis cannot be identified. The number of first-listed diagnoses is equivalent to the number of discharges.

Procedure: One or more surgical or nonsurgical operations, procedures, or special treatments listed by the physician on the medical record. In the NHDS, all terms listed on the face sheet (summary sheet) of the medical record under the caption "operation," "operative procedures," "operations and/or special treatment," and the like are transcribed in the order listed. A maximum of four procedures are coded.

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Rate of procedures: The ratio of the number of all-listed procedures during a year to the number of persons in the civilian population on July 1 of that year determines the rate of procedures.

Demographic terms

Age: Refers to the age of the patient on the birthday prior to admission to the hospital inpatient service.

Population: Civilian population is the resident population excluding members of the Armed Forces.

Geographic regions: Hospitals are classified by location in one of the four geographic regions of the United States corresponding to those used by the U.S. Bureau of the Census:

| U.S. CENSUS REGIONS | | | |
|----------------------------|--------------|----------------------|------------|
| NORTHEAST | MIDWEST | SOUTH | WEST |
| Maine | Michigan | Delaware | Montana |
| New Hampshire | Ohio | Maryland | Idaho |
| Vermont | Illinois | District of Columbia | Wyoming |
| Massachusetts | Indiana | Virginia | Colorado |
| Connecticut | Wisconsin | West Virginia | New Mexico |
| Rhode Island | Minnesota | North Carolina | Arizona |
| New York | Iowa | South Carolina | Utah |
| New Jersey | Missouri | Georgia | Nevada |
| Pennsylvania | North Dakota | Florida | Washington |
| | South Dakota | Kentucky | Oregon |
| | Nebraska | Tennessee | California |
| | Kansas | Alabama | Hawaii |
| | | Mississippi | Alaska |
| | | Arkansas | |
| | | Louisiana | |
| | | Oklahoma | |
| | | Texas | |

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APPENDIX B

The *International Classification of Diseases, 9th Revision, Clinical Modification* has been used for coding NHDS data since 1979. The classification system undergoes annual updating, which involves the assignment of new diagnostic and procedure codes, fourth or fifth digit expansion of existing codes, as well as code deletions. Changes are contained in addenda developed by the ICD-9-CM Coordination and Maintenance Committee and approved by the Director of NCHS and the Administrator of the Centers for Medicare and Medicaid Services (formerly HCFA). Addenda to the ICD-9-CM become effective on October 1 of the calendar year and have been released for 1986 through 1998.

As described earlier in this document, the 2000 NHDS involved two data collection modes: manual and automated abstract services. All data collected under both the manual and the automated methods were coded using the third edition of the ICD-9-CM, which includes the addenda for 1986 through 1998. Because of concerns about possible complications for instituting coding changes prior to the millennium crossover, there was no addendum released in 1999. The most recent addendum available for coding 2000 data, therefore, was the October 1, 1998 version.

In order to assist users in data retrieval, a conversion table is provided to show the date of introduction of each new code and the previously assigned code equivalent, which had been used for reporting the selected diagnosis or procedure prior to issuance of the new code. This conversion table is provided below, but can also be obtained online from: <http://www.cdc.gov/nchs/icd9.htm>.

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DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|---|
| 005.81 | 1995 | 005.8 |
| 005.89 | 1995 | 005.8 |
| 007.4 | 1997 | 007.8 |
| 008.00-008.09 | 1992 | 008.0 |
| 008.43-008.47 | 1992 | 008.49 |
| 008.61-008.69 | 1992 | 008.6 |
| 031.2 | 1997 | 031.8 |
| 038.10 | 1997 | 038.1 |
| 038.11 | 1997 | 038.1 |
| 038.19 | 1997 | 038.1 |
| 041.00-041.09 | 1992 | 041.0 |
| 041.04 (code title restated) | 1997 | 041.04 |
| 041.10-041.19 | 1992 | 041.1 |
| 041.81-041.85 | 1992 | 041.8 |
| 041.86 | 1995 | 041.84 |
| 041.89 | 1992 | 041.8 |
| 042 | 1994 | 042.0-042.2, 042.9, 043.0-043.3, 043.9, 044.0, 044.9 (Codes deleted) |
| 042.0-042.9 | 1986 | 279.19 |
| 043.0-043.9 | 1986 | 279.19 |
| 044.0-044.9 | 1986 | 279.19 |
| 070.20-070.21 | 1991 | 070.2 |
| 070.22 | 1994 | 070.20 |
| 070.23 | 1994 | 070.21 |
| 070.30-070.31 | 1991 | 070.3 |
| 070.32 | 1994 | 070.30 |
| 070.33 | 1994 | 070.31 |
| 070.41-070.43 | 1991 | 070.4 |
| 070.44 | 1994 | 070.41 |
| 070.49 | 1991 | 070.4 |
| 070.51-070.53 | 1991 | 070.5 |
| 070.54 | 1994 | 070.51 |
| 070.59 | 1991 | 070.5 |
| 077.98-077.99 | 1993 | 077.9 |

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DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 078.10-078.11,078.19 | 1993 | 078.1 |
| 078.88 | 1993 | 078.89 |
| 079.4 | 1993 | 079.8 |
| 079.50-079.53,079.59 | 1993 | 079.8 |
| 079.6 | 1996 | 079.89 |
| 079.81 | 1995 | 079.89 |
| 079.88-079.89 | 1993 | 079.8 |
| 079.98-079.99 | 1993 | 079.9 |
| 088.81,088.89 | 1989 | 088.8 |
| 088.82 | 1993 | 088.89 |
| 099.40-099.49 | 1992 | 099.4 |
| 099.50-099.59 | 1992 | 078.89 |
| 112.84-112.85 | 1992 | 112.89 |
| 114.4-114.5 | 1993 | 114.3 |
| 176.0-176.9 | 1991 | 173.0-173.9 |
| 203.00 | 1991 | 203.0 |
| 203.01 | 1991 | V10.79 |
| 203.10 | 1991 | 203.1 |
| 203.11 | 1991 | V10.79 |
| 203.80 | 1991 | 203.8 |
| 203.81 | 1991 | V10.79 |
| 204.00 | 1991 | 204.0 |
| 204.01 | 1991 | V10.61 |
| 204.10 | 1991 | 204.1 |
| 204.11 | 1991 | V10.61 |
| 204.20 | 1991 | 204.2 |
| 204.21 | 1991 | V10.61 |
| 204.80 | 1991 | 204.8 |
| 204.81 | 1991 | V10.61 |
| 204.90 | 1991 | 204.9 |
| 204.91 | 1991 | V10.61 |
| 205.00 | 1991 | 205.0 |
| 205.01 | 1991 | V10.62 |
| 205.10 | 1991 | 205.1 |
| 205.11 | 1991 | V10.62 |
| 205.20 | 1991 | 205.2 |
| 205.21 | 1991 | V10.62 |

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DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 205.30 | 1991 | 205.3 |
| 205.31 | 1991 | V10.62 |
| 205.80 | 1991 | 205.8 |
| 205.81 | 1991 | V10.62 |
| 205.90 | 1991 | 205.9 |
| 205.91 | 1991 | V10.62 |
| 206.00 | 1991 | 206.0 |
| 206.01 | 1991 | V10.63 |
| 206.10 | 1991 | 206.1 |
| 206.11 | 1991 | V10.63 |
| 206.20 | 1991 | 206.2 |
| 206.21 | 1991 | V10.63 |
| 206.80 | 1991 | 206.8 |
| 206.81 | 1991 | V10.63 |
| 206.90 | 1991 | 206.9 |
| 206.91 | 1991 | V10.63 |
| 207.00 | 1991 | 207.0 |
| 207.01 | 1991 | V10.69 |
| 207.10 | 1991 | 207.1 |
| 207.11 | 1991 | V10.69 |
| 207.20 | 1991 | 207.2 |
| 207.21 | 1991 | V10.69 |
| 207.80 | 1991 | 207.8 |
| 207.81 | 1991 | V10.69 |
| 208.00 | 1991 | 208.0 |
| 208.01 | 1991 | V10.60 |
| 208.10 | 1991 | 208.1 |
| 208.11 | 1991 | V10.60 |
| 208.20 | 1991 | 208.2 |
| 208.21 | 1991 | V10.60 |
| 208.80 | 1991 | 208.8 |
| 208.81 | 1991 | V10.60 |
| 208.90 | 1991 | 208.9 |
| 208.91 | 1991 | V10.60 |
| 237.70-237.72 | 1990 | 237.7 |
| 250.02 | 1993 | 250.90 |
| 250.03 | 1993 | 250.91 |
| 250.12 | 1993 | 250.10 |
| 250.13 | 1993 | 250.11 |
| 250.22 | 1993 | 250.20 |
| 250.23 | 1993 | 250.21 |
| 250.32 | 1993 | 250.30 |

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DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|---|
| 250.33 | 1993 | 250.31 |
| 250.42 | 1993 | 250.40 |
| 250.43 | 1993 | 250.41 |
| 250.52 | 1993 | 250.50 |
| 250.53 | 1993 | 250.51 |
| 250.62 | 1993 | 250.60 |
| 250.63 | 1993 | 250.61 |
| 250.72 | 1993 | 250.70 |
| 250.73 | 1993 | 250.71 |
| 250.82 | 1993 | 250.80 |
| 250.83 | 1993 | 250.81 |
| 250.92 | 1993 | 250.90 |
| 250.93 | 1993 | 250.91 |
| 275.40-275.42 | 1997 | 275.4 |
| 275.49 | 1997 | 275.4 |
| 278.00-278.01 | 1995 | 278.0 |
| 283.10-283.11,283.19 | 1993 | 283.1 |
| 291.81 | 1996 | 291.8 |
| 291.89 | 1996 | 291.8 |
| 293.84 | 1996 | 293.89 |
| 300.82 | 1996 | 300.81 |
| 305.1 | 1994 | 305.10, 305.11, 305.12, 305.13 (Codes deleted) |
| 312.81-312.82,312.89 | 1994 | 312.8 |
| 315.32 | 1996 | 315.39 |
| 320.81-320.89 | 1992 | 320.8 |
| 333.92-333.93 | 1994 | 333.99 |
| 337.20-337.22,337.29 | 1993 | 337.9 |
| 337.3 | 1998 | 337.9 |
| 342.00-342.02 | 1994 | 342.0 |
| 342.10-342.12 | 1994 | 342.1 |
| 342.80-342.82 | 1994 | 342.9 |
| 342.90-342.92 | 1994 | 342.9 |

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DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 344.00-344.04,344.09 | 1994 | 344.0 |
| 344.30-344.32 | 1994 | 344.3 |
| 344.40-344.42 | 1994 | 344.4 |
| 344.81,344.89 | 1993 | 344.8 |
| 345.00-345.01 | 1989 | 345.0 |
| 345.10-345.11 | 1989 | 345.1 |
| 345.40-345.41 | 1989 | 345.4 |
| 345.50-345.51 | 1989 | 345.5 |
| 345.60-345.61 | 1989 | 345.6 |
| 345.70-345.71 | 1989 | 345.7 |
| 345.80-345.81 | 1989 | 345.8 |
| 345.90-345.91 | 1989 | 345.9 |
| 346.00-346.01 | 1992 | 346.0 |
| 346.10-346.11 | 1992 | 346.1 |
| 346.20-346.21 | 1992 | 346.2 |
| 346.80-346.81 | 1992 | 346.8 |
| 346.90-346.91 | 1992 | 346.9 |
| 355.71 | 1993 | 354.4 |
| 355.79 | 1993 | 355.7 |
| 371.82 | 1992 | 371.89 |
| 374.87 | 1990 | 374.89 |
| 403.00-403.01 | 1989 | 403.0 |
| 403.10-403.11 | 1989 | 403.1 |
| 403.90-403.91 | 1989 | 403.9 |
| 404.00-404.03 | 1989 | 404.0 |
| 404.10-404.13 | 1989 | 404.1 |
| 404.90-404.93 | 1989 | 404.9 |
| 410.00-410.02 | 1989 | 410.0 |
| 410.10-410.12 | 1989 | 410.1 |
| 410.20-410.22 | 1989 | 410.2 |
| 410.30-410.32 | 1989 | 410.3 |
| 410.40-410.42 | 1989 | 410.4 |
| 410.50-410.52 | 1989 | 410.5 |
| 410.60-410.62 | 1989 | 410.6 |
| 410.70-410.72 | 1989 | 410.7 |
| 410.80-410.82 | 1989 | 410.8 |
| 410.90-410.92 | 1989 | 410.9 |

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DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 411.81 | 1989 | 410.9 |
| 411.89 | 1989 | 411.8 |
| 414.00-414.01 | 1994 | 414.0 |
| 414.02-414.03 | 1994 | 996.03 |
| 414.04-414.05 | 1996 | 414.00 |
| 415.11 | 1995 | 997.3 & 415.1 |
| 415.19 | 1995 | 415.1 |
| 429.71 | 1989 | 410.0-410.9 |
| 429.79 | 1989 | 410.0-410.9 |
| 433.00-433.01 | 1993 | 433.0 |
| 433.10-433.11 | 1993 | 433.1 |
| 433.20-433.21 | 1993 | 433.2 |
| 433.30-433.31 | 1993 | 433.3 |
| 433.80-433.81 | 1993 | 433.8 |
| 433.90-433.91 | 1993 | 433.9 |
| 434.00-434.01 | 1993 | 434.0 |
| 434.10-434.11 | 1993 | 434.1 |
| 434.90-434.91 | 1993 | 434.9 |
| 435.3 | 1995 | 435.0 & 435.1 |
| 437.7 | 1992 | 780.9 |
| 438.0 | 1997 | 294.9 & 438 |
| 438.10 | 1997 | 784.5 & 438 |
| 438.11 | 1997 | 784.3 & 438 |
| 438.12 | 1997 | 784.4 & 438 |
| 438.19 | 1997 | 784.5 & 438 |
| 438.20 | 1997 | 342.90 & 438 |
| 438.21 | 1997 | 342.91 & 438 |
| 438.22 | 1997 | 342.92 & 438 |
| 438.30 | 1997 | 344.40 & 438 |
| 438.31 | 1997 | 344.41 & 438 |
| 438.32 | 1997 | 344.42 & 438 |
| 438.40 | 1997 | 344.30 & 438 |
| 438.41 | 1997 | 344.31 & 438 |
| 438.42 | 1997 | 344.32 & 438 |
| 438.50-438.52 | 1997 | 344.89 & 438 |
| 438.53 | 1998 | 438.50 |

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DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 438.81 | 1997 | 784.69 & 438 |
| 438.82 | 1997 | 787.2 & 438 |
| 438.89 | 1997 | 438 |
| 438.9 | 1997 | 438 |
| 440.20-440.22 | 1992 | 440.2 |
| 440.23 | 1993 | 440.20 & 707.1 or 707.8 or 707.9 |
| 440.24 | 1993 | 440.20 & 785.4 |
| 440.29 | 1993 | 440.2 |
| 440.30-440.32 | 1994 | 996.1 |
| 441.00-441.03 | 1994 | 441.0 |
| 441.6 | 1993 | 441.1 & 441.3 |
| 441.7 | 1993 | 441.2 & 441.4 |
| 446.20-446.21,446.29 | 1990 | 446.2 |
| 451.82-451.84 | 1993 | 451.89 |
| 458.2 | 1995 | 997.9 & 458.9 |
| 458.8 | 1997 | 458.9 |
| 466.11 | 1996 | 466.1 |
| 466.19 | 1996 | 466.1 |
| 474.0 (code title restated) | 1997 | 474.0 |
| 474.00-474.02 | 1997 | 474.0 |
| 482.30-482.39 | 1992 | 482.3 |
| 482.4 | 1998 | 482.4 |
| 482.41 | 1998 | 482.4 |
| 482.49 | 1998 | 482.4 |
| 482.81-482.89 | 1992 | 482.8 |
| 482.84 | 1997 | 482.83 |
| 483.0 | 1992 | 483 |
| 483.1 | 1996 | 078.88 & 484.8 |
| 483.8 | 1992 | 483 |
| 491.20-491.21 | 1991 | 491.2 |
| 493.20 | 1989 | 493.90 |
| 493.21 | 1989 | 493.91 |
| 512.1 | 1994 | 997.3 |

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DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 518.6 | 1997 | 518.89 |
| 518.81 | 1987 | 799.1 |
| 518.82-518.89 | 1987 | 518.8 |
| 518.83 | 1998 | 518.81 |
| 518.84 | 1998 | 518.81 |
| 519.00-519.02, 519.09 | 1998 | 519.0 |
| 524.00-524.09 | 1992 | 524.0 |
| 524.10-524.19 | 1992 | 524.1 |
| 524.60-524.69 | 1991 | 524.6 |
| 524.70-524.79 | 1992 | 524.8 |
| 530.10-530.11, 530.19 | 1993 | 530.1 |
| 530.81 | 1993 | 530.1 |
| 530.82-530.84, 530.89 | 1993 | 530.8 |
| 535.00-535.01 | 1991 | 535.0 |
| 535.10-535.11 | 1991 | 535.1 |
| 535.20-535.21 | 1991 | 535.2 |
| 535.30-535.31 | 1991 | 535.3 |
| 535.40-535.41 | 1991 | 535.4 |
| 535.50-535.51 | 1991 | 535.5 |
| 535.60-535.61 | 1991 | 535.6 |
| 536.3 | 1994 | 536.8 |
| 536.40-536.42, 536.49 | 1998 | 997.4 |
| 537.82 | 1990 | 537.89 |
| 537.83 | 1991 | 537.82 |
| 556.0-556.6 | 1994 | 556 |
| 556.8-556.9 | 1994 | 556 |
| 562.02 | 1991 | 562.00 |
| 562.03 | 1991 | 562.01 |
| 562.12 | 1991 | 562.10 |
| 562.13 | 1991 | 562.11 |
| 564.81 | 1998 | 564.8 |
| 564.89 | 1998 | 564.8 |
| 569.60-569.61 | 1995 | 569.6 |
| 569.62 | 1998 | 569.69 |
| 569.69 | 1995 | 569.6 |
| 569.84 | 1990 | 557.1 |

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DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 569.85 | 1991 | 569.84 |
| 574.60 | 1996 | 574.00 & 574.30 |
| 574.61 | 1996 | 574.01 & 574.31 |
| 574.70 | 1996 | 574.10 & 574.40 |
| 574.71 | 1996 | 574.11 & 574.41 |
| 574.80 | 1996 | 574.00 & 574.10 574.30 & 574.40 |
| 574.81 | 1996 | 574.01 & 574.11 574.31 & 574.41 |
| 574.90 | 1996 | 574.20 & 574.50 |
| 574.91 | 1996 | 574.21 & 574.51 |
| 575.10-575.11 | 1996 | 575.1 |
| 575.12 | 1996 | 575.0 & 575.1 |
| 593.70-593.73 | 1994 | 593.7 |
| 596.51-596.53 | 1992 | 596.5 |
| 596.54 | 1992 | 344.61 |
| 596.55-596.59 | 1992 | 596.5 |
| 599.81-599.89 | 1992 | 599.8 |
| 645.0 | 1991 | 645 |
| 651.30-651.31,651.33 | 1989 | 651.00-651.01,651.03 |
| 651.40-651.41,651.43 | 1989 | 651.10-651.11,651.13 |
| 651.50-651.51,651.53 | 1989 | 651.20-651.21,651.23 |
| 651.60-651.61,651.63 | 1989 | 651.80-651.81,651.83 |
| 654.20-654.21,654.23 | 1990 | 654.2, 654.9 |
| 654.90-654.94 | 1990 | 654.2, 654.9 |
| 655.70 & 655.71 | 1997 | 655.8 |
| 655.73 | 1997 | 655.8 |
| 657.0 | 1991 | 657 |
| 659.60,659.61,659.63 | 1992 | 659.80-659.81, 659.83 |
| 659.70, 659.71, 659.73 | 1998 | 656.30, 656.31, 656.33 |
| 665.10,665.11 | 1992 | 665.10,665.11,665.12,665.14 |

Note: The title for the subcategory, 665.1 has been changed, making the fifth-digit subclassification, 665.12 and 665.14 invalid.

2000 NHDS DATA FILE DOCUMENTATION

DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 670.0 | 1991 | 670 |
| 672.0 | 1991 | 672 |
| 677 | 1994 | No previous code assignment |
| 686.00 & 686.01 | 1997 | 686.0 |
| 686.09 | 1997 | 686.0 |
| 690.10 | 1995 | 690 |
| 690.11 | 1995 | 691.8 & 704.8 |
| 690.12 | 1995 | 691.8 |
| 690.18 | 1995 | 690 |
| 690.8 | 1995 | 690 |
| 692.72-692.74 | 1992 | 692.79 |
| 692.82-692.83 | 1992 | 692.89 |
| 702.0-702.8 | 1991 | 702 |
| 702.11,702.19 | 1994 | 702.1 |
| 704.02 | 1993 | 704.09 |
| 709.00-709.01,709.09 | 1994 | 709.0 |
| 710.5 | 1992 | 288.3,729.1 |
| 728.86 | 1995 | 729.4 |
| 733.10-733.16, 733.19 | 1993 | 733.1 |
| 738.10-738.19 | 1992 | 738.1 |
| 747.60-747.64, 747.69 | 1993 | 747.6 |
| 747.82 | 1993 | 747.89 |
| 752.51-752.52 | 1996 | 752.5 |
| 752.61-752.63 | 1996 | 752.6 |
| 752.64-752.65 | 1996 | 752.8 |
| 752.69 | 1996 | 752.8 |
| 753.10-753.17,753.19 | 1990 | 753.1 |
| 753.20-753.23 | 1996 | 753.2 |
| 753.29 | 1996 | 753.2 |
| 756.70-756.71 | 1997 | 756.7 |
| 756.79 | 1997 | 756.7 |

2000 NHDS DATA FILE DOCUMENTATION

DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 758.81 | 1996 | 758.8 |
| 758.89 | 1996 | 758.9 |
| 759.81-759.82 | 1989 | 759.8 |
| 759.83 | 1994 | 759.89 |
| 759.89 | 1989 | 759.8 |
| 760.75 | 1991 | 760.79 |
| 760.76 | 1994 | 760.79 |
| 763.81-763.83, 763.89 | 1998 | 763.8 |
| 764.00-764.09 | 1988 | 764.0 |
| 764.10-764.19 | 1988 | 764.1 |
| 764.20-764.29 | 1988 | 764.2 |
| 764.90-764.99 | 1988 | 764.9 |
| 765.00-765.09 | 1988 | 765.0 |
| 765.10-765.19 | 1988 | 765.1 |
| 780.01-780.02 | 1992 | 780.0 |
| 780.03 | 1993 | 780.01 |
| 780.09 | 1992 | 780.0 |
| 780.31 | 1997 | 780.3 |
| 780.39 | 1997 | 780.3 |
| 780.57 | 1992 | 780.51, 780.53 |
| 780.71 | 1998 | 780.7 |
| 780.79 | 1998 | 780.7 |
| 781.8 | 1994 | 781.9 |
| 786.03 | 1998 | 786.09 |
| 786.04 | 1998 | 786.09 |
| 786.05 | 1998 | 786.09 |
| 786.06 | 1998 | 786.09 |
| 786.07 | 1998 | 786.09 |
| 787.01-787.03 | 1994 | 787.0 |
| 787.91 | 1995 | 558.9 |
| 787.99 | 1995 | 787.9 |
| 788.20-788.21, 788.29 | 1993 | 788.2 |
| 788.30-788.39 | 1992 | 788.3 |
| 788.41-788.43 | 1993 | 788.4 |
| 788.61-788.62, 788.69 | 1993 | 788.6 |

2000 NHDS DATA FILE DOCUMENTATION

DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 789.00-789.07, 789.09 | 1994 | 789.0 |
| 789.30-789.37, 789.39 | 1994 | 789.3 |
| 789.40-789.47, 789.49 | 1994 | 789.4 |
| 789.60-789.67, 789.69 | 1994 | 789.6 |
| 790.91 | 1993 | 790.9 |
| 790.92 | 1993 | 286.9 |
| 790.93, 790.99 | 1993 | 790.9 |
| 790.94 | 1997 | 790.99 |
| 795.71 | 1994 | 795.8 (Code deleted) |
| 795.79 | 1994 | 795.7 |
| 795.8 | 1986 | 795.7 |
| 796.5 | 1997 | 796.9 |
| 864.05 | 1992 | 864.09 |
| 864.15 | 1992 | 864.19 |
| 909.5 | 1994 | 909.9 |
| 922.31-922.33 | 1996 | 922.3 |
| 925.1-925.2 | 1993 | 925 |
| 959.0 (code title restated) | 1997 | 959.0 |
| 959.01 | 1997 | 854.00 |
| 959.09 | 1997 | 959.0 |
| 965.61 | 1998 | 965.6 |
| 965.69 | 1998 | 965.6 |
| 989.81-989.84 | 1995 | 989.8 |
| 989.89 | 1995 | 989.8 |
| 995.50-995.55 | 1996 | 995.5 |
| 995.59 | 1996 | 995.5 |
| 995.60-995.69 | 1993 | 995.0 |
| 995.80 | 1996 | 995.81 |
| 995.81 (Code title restated) | 1996 | 995.81 |
| 995.82-995.85 | 1996 | 995.81 |
| 995.86 | 1998 | 995.89 |
| 996.04 | 1994 | 996.09 |
| 996.51-996.59 | 1987 | 996.5 |
| 996.55 | 1998 | 996.52 |

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DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 996.56 | 1998 | 996.59 |
| 996.60-996.69 | 1989 | 996.6 |
| 996.68 | 1998 | 996.69 |
| 996.70-996.79 | 1989 | 996.7 |
| 996.80-996.84 | 1987 | 996.8 |
| 996.85 | 1990 | 996.8 |
| 996.86 | 1987 | 996.8 |
| 996.89 | 1987 | 996.8 |
| 997.00-997.01 | 1995 | 997.0 |
| 997.02 | 1995 | 997.9 & 430-434, 436 |
| 997.09 | 1995 | 997.0 |
| 997.91 | 1995 | 997.9 |
| 997.99 | 1995 | 997.9 |
| 998.11-998.12 | 1996 | 998.1 |
| 998.13 | 1996 | 998.89 |
| 998.51 | 1996 | 998.5 |
| 998.59 | 1996 | 998.5 |
| 998.81-998.82, 998.89 | 1994 | 998.8 |
| 998.83 | 1996 | 998.89 |
| V02.51 | 1998 | V02.5 |
| V02.52 | 1998 | V02.5 |
| V02.59 | 1998 | V02.5 |
| V02.60-V02.62 | 1997 | V02.6 |
| V02.69 | 1997 | V02.6 |
| V03.81-V03.82, V03.89 | 1994 | V03.8 |
| V05.3-V05.4 | 1993 | V05.8 |
| V06.5-V06.6 | 1994 | V06.8 |
| V07.31, V07.39 | 1994 | V07.3 |
| V07.4 | 1992 | V07.8 |
| V08 | 1994 | 044.9, 795.8 (Codes deleted) |
| V09.0-V09.91 | 1993 | No previous code assignments |
| V10.48 | 1998 | V10.49 |
| V12.00-V12.03, V12.09 | 1994 | V12.0 |
| V12.40-V12.41 | 1997 | V12.4 |

2000 NHDS DATA FILE DOCUMENTATION

DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| V12.49 | 1997 | V12.4 |
| V12.50-V12.52 | 1995 | V12.5 |
| V12.59 | 1995 | V12.5 |
| V12.70-V12.72, V12.79 | 1994 | V12.7 |
| V13.00-V13.01, V13.09 | 1994 | V13.0 |
| V13.61 | 1998 | V13.6 |
| V13.69 | 1998 | V13.6 |
| V15.41-V15.42 | 1996 | V15.4 |
| V15.49 | 1996 | V15.4 |
| V15.82 | 1994 | 305.13 (Codes deleted) |
| V15.84-V15.86 | 1995 | V15.89 |
| V16.40-V16.43 | 1997 | V16.4 |
| V16.49 | 1997 | V16.4 |
| V16.51 | 1998 | V16.5 |
| V16.59 | 1998 | V16.5 |
| V18.61 | 1998 | V18.6 |
| V18.69 | 1998 | V18.6 |
| V23.7 | 1989 | V23.8 |
| V23.81 | 1998 | V23.8 |
| V23.82 | 1998 | V23.8 |
| V23.83 | 1998 | V23.8 |
| V23.84 | 1998 | V23.8 |
| V23.89 | 1998 | V23.8 |
| V25.43 | 1992 | V25.49 |
| V25.5 | 1992 | V25.8 |
| V26.51 | 1998 | No previous code assignment |
| V26.52 | 1998 | No previous code assignment |
| V28.6 | 1997 | V28.8 |
| V29.0-V29.1, V29.8 | 1992 | V71.8 |
| V29.2 | 1994 | V29.8 |
| V29.3 | 1998 | V29.8 |
| V29.8 | 1992 | V71.8 |
| V29.9 | 1992 | V71.9 |
| V30.00-V30.01 | 1989 | V30.0 |

2000 NHDS DATA FILE DOCUMENTATION

DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| V31.00-V31.01 | 1989 | V31.0 |
| V32.00-V32.01 | 1989 | V32.0 |
| V33.00-V33.01 | 1989 | V33.0 |
| V34.00-V34.01 | 1989 | V34.0 |
| V35.00-V35.01 | 1989 | V35.0 |
| V36.00-V36.01 | 1989 | V36.0 |
| V37.00-V37.01 | 1989 | V37.0 |
| V39.00-V39.01 | 1989 | V39.0 |
| V42.81-V82.83 | 1997 | V42.8 |
| V42.89 | 1997 | V42.8 |
| V43.60-V43.66, V43.69 | 1994 | V43.6 |
| V43.81-V43.82 | 1995 | V43.8 |
| V43.83 | 1998 | V43.89 |
| V43.89 | 1995 | V43.8 |
| V44.50 | 1998 | V44.5 |
| V44.51 | 1998 | V44.5 |
| V44.52 | 1998 | V44.5 |
| V44.59 | 1998 | V44.5 |
| V45.00 | 1994 | V45.89 |
| V45.01 | 1994 | V45.0 |
| V45.02, V45.09 | 1994 | V45.89 |
| V45.51 | 1994 | V45.5 |
| V45.52, V45.59 | 1994 | V45.89 |
| V45.61 | 1997 | V45.6 |
| V45.63 | 1997 | V45.6 |
| V45.71 | 1997 | 611.8 |
| V45.72 | 1997 | 569.89 |
| V45.73 | 1997 | 593.89 |
| V45.82 | 1994 | V45.89 |
| V45.83 | 1995 | V45.89 |
| V49.60-V49.67 | 1994 | V49.5 |
| V49.70-V49.77 | 1994 | V49.5 |

2000 NHDS DATA FILE DOCUMENTATION

DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| V50.41-V50.42, V50.49 | 1994 | V50.8 |
| V53.01-V53.02 | 1997 | V53.0 |
| V53.09 | 1997 | V53.0 |
| V53.31 | 1994 | V53.3 |
| V53.32, V53.39 | 1994 | V53.9 |
| V56.1 | 1995 | V58.89 |
| V56.1 (code title restated) | 1998 | V56.1 |
| V56.2 | 1998 | V56.1 |
| V57.21-V57.22 | 1994 | V57.2 |
| V58.41, V58.49 | 1994 | V58.4 |
| V58.61 | 1995 | V67.51 |
| V58.62 | 1998 | V58.69 |
| V58.69 | 1995 | V67.51 |
| V58.81, V58.89 | 1994 | V58.8 |
| V58.82 | 1995 | V58.89 |
| V59.01-V59.02 | 1995 | V59.0 |
| V59.09 | 1995 | V59.0 |
| V59.6 | 1995 | V59.8 |
| V61.10-V61.12 | 1996 | V61.1 |
| V61.22 | 1996 | V61.21 |
| V62.83 | 1996 | V65.49 |
| V64.4 | 1997 | No previous code assignment |
| V65.40-V65.45, V65.49 | 1994 | V65.4 |
| V66.7 | 1996 | No previous code assignment |
| V69.0-V69.3 | 1994 | No previous code assignments |
| V69.8-V69.9 | 1994 | No previous code assignments |
| V72.81-V72.85 | 1993 | V72.8 |
| V73.88-V73.89 | 1993 | V73.8 |
| V73.98-V73.99 | 1993 | V73.9 |
| V76.10-V76.12 | 1997 | V76.1 |
| V76.19 | 1997 | V76.1 |
| V76.44 | 1998 | V76.49 |

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DIAGNOSIS CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| V76.45 | 1998 | V76.49 |
| E854.8 | 1995 | E858.8 |
| E869.4 | 1994 | E869.8 |
| E880.1 | 1995 | E884.9 |
| E884.3-E884.4 | 1995 | E884.2 |
| E884.5-E884.6 | 1995 | E884.9 |
| E906.5 | 1995 | E906.3 |
| E908.0-E908.4 | 1995 | E908 |
| E908.8-E908.9 | 1995 | E908 |
| E909.0-E909.4 | 1995 | E909 |
| E909.8-E909.9 | 1995 | E909 |
| E920.5 | 1995 | E920.4 |
| E922.4 | 1997 | E917.9 |
| E924.2 | 1995 | E924.0 |
| E955.6 | 1997 | E955.9 |
| E967.2 | 1996 | E967.0 |
| E967.3 | 1996 | No previous code assignment |
| E967.4-E967.8 | 1996 | E967.1 |
| E968.5 | 1995 | E968.8 |
| E968.6 | 1997 | E968.8 |
| E985.6 | 1997 | E985.4 |

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PROCEDURE CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 02.96 | 1992 | 89.19 |
| 03.90 | 1987 | 03.99 (Insertion of Catheter) |
| 05.25 | 1995 | 39.7 |
| 11.75 | 1989 | 11.79 |
| 11.76 | 1989 | 11.62 |
| 20.96-20.98 | 1986 | 20.95 |
| 22.12 | 1988 | 22.11 |
| 26.12 | 1988 | 26.11 |
| 29.31 | 1991 | 83.02 |
| 29.32 | 1991 | 29.3 |
| 29.33 | 1991 | 29.3 |
| 29.39 | 1991 | 29.3 |
| 31.45 | 1988 | 31.43-31.44 |
| 31.95 | 1989 | 31.75 |
| 32.01 | 1989 | 32.0 |
| 32.09 | 1989 | 32.0 |
| 32.22 | 1995 | 32.29, 32.9 |
| 32.28 | 1989 | 32.29 |
| 33.27 | 1987 | 33.22 + 33.27 |
| 33.28 | 1987 | 33.27 |
| 33.29 | 1987 | 33.28-33.29 |
| 33.50 | 1995 | 33.5 |
| 33.51 | 1995 | 33.5 |
| 33.52 | 1995 | 33.5 |
| 33.6 | 1990 | 33.5 + 37.5 |
| 34.05 | 1994 | 34.99 |
| 35.84 | 1988 | 35.82 |
| 35.96 | 1986 | 35.03 |
| 36.00-36.03 | 1986 | 36.0 |
| 36.04 | 1986 | 39.97 |
| 36.05 | 1987 | 36.01 |
| 36.05 | 1986 | 36.01*, 36.02 |
| 36.06 | 1995 | 36.01, 36.02, 36.03, 36.05 |

2000 NHDS DATA FILE DOCUMENTATION

PROCEDURE CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|--|
| 36.09 | 1986 | 36.0 |
| 36.09 | 1991 | 36.00 (Code deleted) |
| 36.17 | 1996 | 36.19 |
| 36.31 | 1998 | 36.3 |
| 36.32 | 1998 | 36.3 |
| 36.39 | 1998 | 36.3 |
| 37.26-37.27 | 1988 | 37.29 |
| 37.34 | 1988 | 37.33 |
| 37.35 | 1997 | 37.33 |
| 37.65 | 1995 | 37.62 |
| 37.66 | 1995 | 37.62 |
| 37.67 | 1998 | 37.4 |
| 37.70 (Leads only) | 1987 | 37.70 (Leads/Device) |
| 37.71-37.72 (Leads only) | 1987 | 37.74 (Leads/Device) |
| 37.73 (Leads only) | 1987 | 37.73 (Leads/Device) |
| 37.74 (Leads only) | 1987 | 37.76 (Leads/Device) |
| 37.75 (Leads only) | 1987 | 37.89 (Leads/Device) |
| 37.76 (Leads only) | 1987 | 37.81 (Leads/Device) |
| 37.77 (Leads only) | 1987 | 37.83-37.84 (Leads/Device) |
| 37.78 | 1987 | 37.71-37.72 |
| 37.79 | 1987 | 86.09 |
| 37.80-37.87 | 1992 | 89.49 (Code deleted, this procedure is included in the code for pacemaker insertion/replacement) |
| 37.80 (Device only) | 1987 | 37.73-37.77 (Leads/Device) |
| 37.81 (Device only) | 1987 | 37.73-37.77 (Leads/Device) |
| 37.82 (Device only) | 1987 | 37.73-37.77 (Leads/Device) |
| 37.83 (Device only) | 1987 | 37.73-37.77 (Leads/Device) |
| 37.85-37.87 | 1987 | 37.85 |
| 37.89 | 1987 | 37.86 + 37.89 |
| 37.94-37.98 | 1986 | 37.99 |
| 38.22 | 1986 | 38.29 |
| 38.44 (Abdominal Aorta Only) | 1986 | 38.44 (Entire Aorta) |
| 38.45 (Thoracic Aorta Added) | 1986 | 38.44-38.45 |
| 38.95 | 1989 | 38.93 |
| 39.28 | 1991 | 39.29 |
| 39.50 | 1995 | 39.59 |
| 39.65 | 1988 | 39.61 |
| 39.66 | 1990 | 39.65 |
| 39.90 | 1996 | 39.50 |
| 41.00-41.03 | 1988 | 41.0 |
| 41.04 | 1994 | 99.79 |

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PROCEDURE CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 41.05 | 1997 | No previous code assignment |
| 41.06 | 1997 | No previous code assignment |
| 42.25 | 1988 | 42.24 |
| 42.33 | 1989 | 42.32, 42.39 |
| 42.33 | 1990 | 42.91 |
| 43.11 | 1989 | 43.1 |
| 43.19 | 1989 | 43.1, 43.2 |
| 43.41 | 1989 | 43.41, 43.49 |
| 44.21 | 1986 | 44.2 |
| 44.22 | 1986 | 44.99 |
| 44.29 | 1986 | 44.2 |
| 44.43 | 1989 | 43.49, 45.32 |
| 44.44 | 1989 | 38.86 |
| 44.49 | 1989 | 43.0 |
| 44.93-44.94 | 1986 | 44.99 |
| 45.16 | 1988 | 45.14 (45.15 before 1987) |
| 45.30 | 1989 | 45.31, 45.32 |
| 45.42 | 1988 | 45.41 |
| 45.43 | 1989 | 45.49 |
| 45.75 (Hartmann Resection Added) | 1988 | 48.66 (Code deleted) |
| 45.95 | 1987 | 45.93 |
| 46.13 | 1992 | 46.12 (Code deleted) |
| 46.32 | 1989 | 46.39 |
| 46.85 | 1989 | 46.99 |
| 47.01 | 1996 | 47.0 |
| 47.09 | 1996 | 47.0 |
| 47.11 | 1996 | 47.1 |
| 47.19 | 1996 | 47.1 |
| 48.36 | 1995 | 45.42 |
| 49.31 | 1989 | 49.3 |
| 49.39 | 1989 | 49.3 |
| 51.10 | 1989 | 51.97 |
| 51.11 | 1989 | 51.11, 51.97 |
| 51.14 | 1989 | 51.12 |
| 51.15 | 1989 | 51.97 |
| 51.21 | 1996 | 51.22, 51.23 |
| 51.22 | 1991 | 51.21 (Code deleted), 51.22 |
| 51.23 | 1991 | 51.22 |

2000 NHDS DATA FILE DOCUMENTATION

PROCEDURE CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 51.24 | 1996 | 51.22, 51.23 |
| 51.64 | 1989 | 51.69 |
| 51.84-51.88 | 1989 | 51.97 |
| 51.97 | 1986 | 52.91, 51.99, or 51.82 |
| 51.98 | 1986 | 51.99 |
| 52.13 | 1989 | 51.97, 52.91 |
| 52.14 | 1989 | 52.11 |
| 52.21 | 1989 | 52.2 |
| 52.22 | 1989 | 52.2 |
| 52.84 | 1996 | 99.29 |
| 52.85 | 1996 | 99.29 |
| 52.86 | 1996 | 99.29 |
| 52.93 | 1989 | 52.93 + 52.91 |
| 52.94 | 1989 | 52.09 |
| 52.97 | 1989 | 52.91 |
| 52.98 | 1989 | 52.91 |
| 52.99 | 1989 | 52.93, 52.94, 52.99 |
| 54.24 | 1987 | 54.23 |
| 54.25 | 1993 | 54.98 |
| 54.51 | 1996 | 54.5 |
| 54.59 | 1996 | 54.5 |
| 55.03-55.04 | 1986 | 55.02 |
| 56.33-56.34 | 1987 | 56.33 |
| 56.35 | 1987 | 45.12 |
| 57.17-57.18 | 1989 | 57.21 |
| 57.22 | 1989 | 57.22, 57.82 |
| 58.31 | 1990 | 58.3 |
| 58.39 | 1990 | 58.3 |
| 58.93 | 1986 | 57.99 |
| 59.03 | 1996 | 59.02 |
| 59.12 | 1996 | 59.11 |
| 59.72 | 1995 | 59.79 |
| 59.96 | 1986 | 59.95 |
| 60.21 | 1995 | 60.2 |
| 60.29 | 1995 | 60.2 |
| 60.95 | 1991 | 60.99 |
| 64.97 | 1986 | 64.95 |

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PROCEDURE CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 65.01 | 1996 | 65.0 |
| 65.09 | 1996 | 65.0 |
| 65.13 | 1996 | 65.12 |
| 65.14 | 1996 | 65.19 |
| 65.23 | 1996 | 65.21 |
| 65.24 | 1996 | 65.22 |
| 65.25 | 1996 | 65.29 |
| 65.31 | 1996 | 65.3 |
| 65.39 | 1996 | 65.3 |
| 65.41 | 1996 | 65.4 |
| 65.49 | 1996 | 65.4 |
| 65.53 | 1996 | 65.51 |
| 65.54 | 1996 | 65.52 |
| 65.63 | 1996 | 65.61 |
| 65.64 | 1996 | 65.62 |
| 65.74 | 1996 | 65.71 |
| 65.75 | 1996 | 65.72 |
| 65.76 | 1996 | 65.73 |
| 65.81 | 1996 | 65.8 |
| 65.89 | 1996 | 65.8 |
| 66.01 | 1992 | 66.0 |
| 66.02 | 1992 | 66.73 |
| 68.15 | 1987 | 68.14 |
| 68.16 | 1987 | 68.13 |
| 68.23 | 1996 | 68.29 |
| 68.51 | 1996 | 68.5 |
| 68.59 | 1996 | 68.5 |
| 68.9 | 1992 | 68.4 |
| 74.3 | 1992 | 69.11 (Code deleted) |
| 75.37 | 1998 | 99.29 |
| 77.56 | 1989 | 77.89,78.49,81.18 |
| 77.57 | 1989 | 77.89,80.48,81.18,83.85 |
| 77.58 | 1989 | 77.59,81.18 |
| 78.10 | 1991 | 78.40 |
| 78.11 | 1991 | 78.41 |
| 78.12 | 1991 | 78.42 |
| 78.13 | 1991 | 78.43 |
| 78.14 | 1991 | 78.44 |
| 78.15 | 1991 | 78.45 |
| 78.16 | 1991 | 78.46 |
| 78.17 | 1991 | 78.47 |

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PROCEDURE CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|---|
| 78.18 | 1991 | 78.48 |
| 78.19 | 1991 | 78.49 |
| 78.20 | 1991 | 78.10,78.20,78.30 |
| 78.21 (Invalid code) | 1991 | 78.11,78.31 |
| 78.22 | 1991 | 78.12,78.22,78.32 |
| 78.23 | 1991 | 78.13,78.23,78.33 |
| 78.24 | 1991 | 78.14,78.34 |
| 78.25 | 1991 | 78.15,78.25,78.35 |
| 78.27 | 1991 | 78.17,78.27,78.37 |
| 78.28 | 1991 | 78.18,78.38 |
| 78.29 | 1991 | 78.11,78.16,78.19,78.29,78.39 |
| 78.39 | 1991 | 78.31 |
| 78.90** | 1987 | 78.40 |
| 78.91** | 1987 | 78.41 |
| 78.92** | 1987 | 78.42 |
| 78.93** | 1987 | 78.43 |
| 78.94** | 1987 | 78.44 |
| 78.95** | 1987 | 78.45 |
| 78.96** | 1987 | 78.46 |
| 78.97** | 1987 | 78.47 |
| 78.98** | 1987 | 78.48 |
| 78.99** | 1987 | 78.49 |
| 80.50-80.59 | 1986 | 80.5 |
| 81.03 | 1989 | 81.02 |
| 81.04-81.05 | 1989 | 81.03,81.04,81.05 |
| 81.06-81.07 | 1989 | 81.06,81.07 |
| 81.08 | 1989 | 81.06,81.07,81.08 |
| 81.09 | 1989 | 81.08 |
| 81.40 | 1989 | 81.69 |
| 81.51 | 1989 | 81.51,81.59 |
| 81.52 | 1989 | 81.61,81.62,81.63,81.64 |
| 81.53 | 1989 | 81.51,81.59,81.61,81.62, 81.63,81.64 |
| 81.54-81.55 | 1989 | 81.41 (Code deleted) |
| 81.56 | 1989 | 81.48 |
| 81.57 | 1989 | 81.31,81.39 |
| 81.59 | 1989 | 81.39 |
| 81.72 | 1989 | 81.79 |
| 81.73-81.74 | 1989 | 81.86 (Code deleted) |
| 81.75 | 1989 | 81.87 (Code deleted) |
| 81.79 | 1989 | 81.79,81.87 |
| 81.80 | 1989 | 81.81 |
| 81.97 | 1992 | 81.59 |
| 85.95 | 1987 | 85.99 |

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PROCEDURE CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 85.96 | 1987 | 85.99 |
| 86.06 | 1987 | 86.09 |
| 86.07 | 1990 | 86.09 |
| 86.27 | 1986 | 86.22-86.23 |
| 86.28 | 1988 | 86.22 |
| 86.67 | 1998 | 86.65 |
| 86.93 | 1987 | 86.89 |
| 88.90 | 1986 | 88.39 |
| 88.91 | 1986 | 89.15 |
| 88.92 | 1986 | 89.39 |
| 88.93 | 1986 | 89.15 |
| 88.94 | 1986 | 89.39 |
| 88.95 | 1986 | 89.29 |
| 88.97 | 1989 | 88.99 |
| 88.98 | 1989 | 88.90 |
| 88.99 | 1986 | 89.39 |
| 89.10 | 1989 | 89.15 |
| 89.17-89.18 | 1988 | 89.15 |
| 89.19 | 1989 | 89.15 |
| 89.50 | 1991 | 89.54 |
| 92.3 | 1995 | 01.59, 04.07, 07.63, 07.68 |
| 92.30 | 1998 | 92.3 |
| 92.31 | 1998 | 92.3 |
| 92.32 | 1998 | 92.3 |
| 92.33 | 1998 | 92.3 |
| 92.39 | 1998 | 92.3 |
| 93.90 | 1988 | 93.92 |
| 94.61-94.69 | 1989 | 94.25 |
| 96.29 | 1998 | 96.39 |
| 96.6 | 1986 | 96.35 |
| 96.70 | 1991 | 93.92 (Code deleted) |
| 96.71 | 1991 | 93.92 (Code deleted) |
| 96.72 | 1991 | 93.92 (Code deleted) |
| 97.05 | 1989 | 51.97 |
| 98.51-98.52 | 1989 | 59.96 (Code deleted) |
| 98.59 | 1989 | 59.96 (Code deleted) |

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PROCEDURE CODES

| <u>Current code(s) assignment</u> | <u>Effective October 1</u> | <u>Previous code(s) assignment</u> |
|-----------------------------------|--------------------------------|------------------------------------|
| 99.00 | 1995 | 99.02 |
| 99.10 | 1998 | 99.29 |
| 99.15 | 1986 | 99.29 |
| 99.20 | 1998 | 99.29 |
| 99.28 | 1994 | 99.25 |
| 99.71-99.74, 99.79*** | 1988 | 99.07 |
| 99.85 | 1987 | 93.35 |
| 99.86 | 1987 | 93.39 |
| 99.88 | 1988 | 99.83 |

*Before October 1986 contents of current code 36.05 would have been assigned to 36.0.

**Codes 78.90-78.99 were retitled as "Insertion of bone growth stimulator" in October 1987; the previous contents of codes 78.90-78.99 were reassigned to codes 78.40-78.49.

***Codes 99.71-99.79 were deleted in October 1987; their contents were not transferred elsewhere. In the October 1988 revision, codes 99.71-99.79 were reclassified as "Therapeutic apheresis." Codes 99.75-99.78 have not yet been reassigned.

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APPENDIX C

Adjusted Civilian Population* by Sex, Age, Geographic Region and Race, United States, July 1, 2000
 [Population estimates consistent with Series P-25, Current Population Reports, U.S. Bureau of the Census]

| | Total | Male | Female | | Total | Male | Female |
|-----------------------|------------------------|---------|---------|-------------------------------|--------|--------|--------|
| | Estimates in thousands | | | | | | |
| All ages | 278,099 | 135,986 | 142,113 | 15 to 44 years (cont.) | | | |
| Northeast | 52,420 | 25,388 | 27,032 | White | 98,033 | 49,412 | 48,621 |
| Midwest | 63,877 | 31,208 | 32,668 | Black | 17,319 | 8,313 | 9,007 |
| South | 98,781 | 47,924 | 50,857 | Other | 6,834 | 3,362 | 3,472 |
| West | 63,021 | 31,465 | 31,556 | 45 to 64 years | 60,944 | 29,567 | 31,377 |
| White | 227,668 | 111,851 | 115,816 | 45 to 54 years | 37,162 | 18,198 | 18,964 |
| Black | 36,494 | 17,338 | 19,156 | 55 to 64 years | 23,783 | 11,370 | 12,413 |
| Other | 13,938 | 6,797 | 7,141 | Northeast | 11,751 | 5,652 | 6,098 |
| Under 15 years | 60,493 | 30,943 | 29,549 | Midwest | 14,084 | 6,856 | 7,229 |
| Under 1 year | 3,994 | 2,040 | 1,955 | South | 21,870 | 10,521 | 11,349 |
| 1 to 4 years | 15,678 | 8,012 | 7,666 | West | 13,239 | 6,539 | 6,700 |
| 5 to 14 years | 40,820 | 20,892 | 19,929 | White | 51,714 | 25,367 | 26,347 |
| Northeast | 10,716 | 5,483 | 5,233 | Black | 6,574 | 2,950 | 3,624 |
| Midwest | 13,745 | 7,035 | 6,710 | Other | 2,657 | 1,251 | 1,406 |
| South | 21,604 | 11,039 | 10,564 | 65 years and over | 34,476 | 14,389 | 20,087 |
| West | 14,427 | 7,386 | 7,041 | 65 to 74 years | 17,993 | 8,153 | 9,840 |
| White | 47,334 | 24,252 | 23,081 | 75 to 84 years | 12,214 | 4,945 | 7,269 |
| Black | 9,706 | 4,930 | 4,776 | 85 years and over | 4,269 | 1,290 | 2,979 |
| Other | 3,453 | 1,762 | 1,691 | Northeast | 7,249 | 2,963 | 4,286 |
| 15 to 44 years | 122,186 | 61,086 | 61,100 | Midwest | 8,130 | 3,356 | 4,773 |
| 15 to 24 years | 39,025 | 19,831 | 19,193 | South | 12,141 | 5,052 | 7,089 |
| 25 to 34 years | 38,046 | 18,855 | 19,191 | West | 6,956 | 3,017 | 3,938 |
| 35 to 44 years | 45,115 | 22,399 | 22,716 | White | 30,587 | 12,821 | 17,767 |
| Northeast | 22,704 | 11,289 | 11,414 | Black | 2,895 | 1,146 | 1,749 |
| Midwest | 27,917 | 13,961 | 13,956 | Other | 994 | 422 | 572 |
| South | 43,166 | 21,312 | 21,854 | | | | |
| West | 28,399 | 14,523 | 13,876 | | | | |

*The NHDS used the civilian noninstitutionalized population to calculate hospital utilization rates from 1965 through 1980. Beginning in 1981, the civilian resident population has

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been used to calculate rates. If you have NHDS data files for years before 1981 and used the civilian noninstitutionalized population provided in the documentation to calculate rates, these rates will have to be adjusted to be comparable to 2000 rates using the civilian resident population.

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Adjusted Civilian Population of the United States, July 1, 2000. Estimates by Age, Sex, and Region.
Source: U.S. Bureau of the Census, Population Division.

Estimates in thousands

| Age | United States | | | Northeast | | | Midwest | | | South | | | West | | |
|--------------|---------------|---------|---------|-----------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female |
| All | 278,099 | 135,986 | 142,113 | 52,420 | 25,388 | 27,032 | 63,877 | 31,208 | 32,668 | 98,781 | 47,924 | 50,857 | 63,021 | 31,465 | 31,556 |
| 0-4 | 19,672 | 10,052 | 9,621 | 3,382 | 1,729 | 1,653 | 4,380 | 2,238 | 2,141 | 7,159 | 3,656 | 3,503 | 4,752 | 2,429 | 2,323 |
| 5-9 | 20,386 | 10,429 | 9,957 | 3,629 | 1,859 | 1,770 | 4,580 | 2,345 | 2,236 | 7,220 | 3,688 | 3,533 | 4,957 | 2,538 | 2,419 |
| 10-14 | 20,434 | 10,463 | 9,971 | 3,705 | 1,895 | 1,810 | 4,786 | 2,452 | 2,333 | 7,225 | 3,696 | 3,529 | 4,718 | 2,419 | 2,299 |
| 15-19 | 20,283 | 10,391 | 9,892 | 3,499 | 1,791 | 1,708 | 4,814 | 2,463 | 2,352 | 7,229 | 3,678 | 3,551 | 4,741 | 2,460 | 2,282 |
| 20-24 | 18,742 | 9,440 | 9,301 | 3,186 | 1,612 | 1,573 | 4,290 | 2,157 | 2,133 | 6,686 | 3,289 | 3,397 | 4,580 | 2,383 | 2,198 |
| 25-29 | 18,265 | 9,042 | 9,223 | 3,289 | 1,636 | 1,653 | 4,054 | 1,997 | 2,057 | 6,562 | 3,183 | 3,380 | 4,360 | 2,227 | 2,133 |
| 30-34 | 19,781 | 9,813 | 9,967 | 3,932 | 1,930 | 2,002 | 4,433 | 2,197 | 2,237 | 6,867 | 3,373 | 3,494 | 4,549 | 2,314 | 2,235 |
| 35-39 | 22,380 | 11,116 | 11,264 | 4,396 | 2,166 | 2,230 | 5,068 | 2,529 | 2,539 | 7,845 | 3,854 | 3,991 | 5,071 | 2,566 | 2,505 |
| 40-44 | 22,735 | 11,283 | 11,452 | 4,402 | 2,154 | 2,248 | 5,257 | 2,619 | 2,638 | 7,977 | 3,936 | 4,041 | 5,098 | 2,574 | 2,524 |
| 45-49 | 20,006 | 9,838 | 10,168 | 3,836 | 1,854 | 1,982 | 4,644 | 2,288 | 2,356 | 7,038 | 3,450 | 3,588 | 4,487 | 2,246 | 2,241 |
| 50-54 | 17,156 | 8,359 | 8,797 | 3,335 | 1,612 | 1,722 | 3,947 | 1,924 | 2,023 | 6,107 | 2,952 | 3,155 | 3,767 | 1,871 | 1,897 |
| 55-59 | 13,221 | 6,363 | 6,858 | 2,578 | 1,237 | 1,341 | 3,037 | 1,466 | 1,571 | 4,798 | 2,283 | 2,515 | 2,808 | 1,377 | 1,431 |
| 60-64 | 10,562 | 5,007 | 5,555 | 2,003 | 949 | 1,053 | 2,456 | 1,178 | 1,279 | 3,927 | 1,835 | 2,092 | 2,177 | 1,045 | 1,132 |
| 65-69 | 9,329 | 4,302 | 5,027 | 1,880 | 858 | 1,021 | 2,137 | 984 | 1,153 | 3,418 | 1,567 | 1,851 | 1,895 | 894 | 1,001 |
| 70-74 | 8,664 | 3,851 | 4,813 | 1,798 | 789 | 1,009 | 2,011 | 898 | 1,114 | 3,102 | 1,370 | 1,732 | 1,752 | 794 | 958 |
| 75-79 | 7,351 | 3,088 | 4,263 | 1,569 | 647 | 922 | 1,717 | 719 | 998 | 2,561 | 1,066 | 1,494 | 1,504 | 656 | 848 |
| 80-84 | 4,863 | 1,857 | 3,006 | 1,056 | 392 | 664 | 1,190 | 443 | 746 | 1,642 | 624 | 1,017 | 975 | 397 | 578 |
| 0-14 | 60,493 | 30,943 | 29,549 | 10,716 | 5,483 | 5,233 | 13,745 | 7,035 | 6,710 | 21,604 | 11,039 | 10,564 | 14,427 | 7,386 | 7,041 |
| 15-44 | 122,186 | 61,086 | 61,100 | 22,704 | 11,289 | 11,414 | 27,917 | 13,961 | 13,956 | 43,166 | 21,312 | 21,854 | 28,399 | 14,523 | 13,876 |
| 45-64 | 60,944 | 29,567 | 31,377 | 11,751 | 5,652 | 6,098 | 14,084 | 6,856 | 7,229 | 21,870 | 10,521 | 11,349 | 13,239 | 6,539 | 6,700 |
| 15+ | 217,606 | 105,042 | 112,564 | 41,704 | 19,905 | 21,799 | 50,131 | 24,173 | 25,958 | 77,177 | 36,885 | 40,292 | 48,594 | 24,079 | 24,515 |
| 45+ | 95,420 | 43,956 | 51,464 | 19,000 | 8,615 | 10,385 | 22,214 | 10,212 | 12,002 | 34,011 | 15,572 | 18,439 | 20,195 | 9,556 | 10,639 |
| 65+ | 34,476 | 14,389 | 20,087 | 7,249 | 2,963 | 4,286 | 8,130 | 3,356 | 4,773 | 12,141 | 5,052 | 7,089 | 6,956 | 3,017 | 3,938 |
| 75+ | 16,483 | 6,235 | 10,248 | 3,572 | 1,316 | 2,256 | 3,982 | 1,475 | 2,507 | 5,621 | 2,115 | 3,506 | 3,308 | 1,329 | 1,979 |
| 85+ | 4,269 | 1,290 | 2,979 | 947 | 277 | 669 | 1,075 | 312 | 762 | 1,419 | 424 | 994 | 829 | 276 | 553 |

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Adjusted Civilian Population of the United States, July 1, 2000. Estimates by Age, Sex, and Race.
Source: U.S. Bureau of the Census, Population Division.

Estimates in thousands

| | All Races | | | Both sexes | White | | Both sexes | Black | | Both sexes | Other | |
|--------------|------------|---------|---------|------------|---------|---------|------------|--------|--------|------------|-------|--------|
| | Both sexes | Male | Female | | Male | Female | | Male | Female | | Male | Female |
| Total | 278,099 | 135,986 | 142,113 | 227,668 | 111,851 | 115,816 | 36,494 | 17,338 | 19,156 | 13,938 | 6,797 | 7,141 |
| 0-4 | 19,672 | 10,052 | 9,621 | 15,459 | 7,915 | 7,544 | 3,040 | 1,544 | 1,496 | 1,173 | 592 | 581 |
| 0 | 3,994 | 2,040 | 1,955 | 3,119 | 1,596 | 1,524 | 633 | 322 | 311 | 242 | 122 | 120 |
| 1 | 3,937 | 2,011 | 1,927 | 3,092 | 1,581 | 1,510 | 612 | 311 | 301 | 233 | 118 | 115 |
| 2 | 3,906 | 1,998 | 1,908 | 3,073 | 1,575 | 1,498 | 600 | 306 | 294 | 233 | 118 | 116 |
| 3 | 3,894 | 1,989 | 1,905 | 3,068 | 1,571 | 1,497 | 594 | 301 | 293 | 232 | 117 | 115 |
| 4 | 3,941 | 2,014 | 1,927 | 3,108 | 1,592 | 1,516 | 601 | 305 | 296 | 232 | 118 | 115 |
| 5-9 | 20,386 | 10,429 | 9,957 | 15,939 | 8,165 | 7,774 | 3,297 | 1,674 | 1,623 | 1,150 | 590 | 560 |
| 5 | 3,980 | 2,036 | 1,944 | 3,127 | 1,603 | 1,524 | 623 | 316 | 307 | 230 | 117 | 113 |
| 6 | 4,013 | 2,053 | 1,960 | 3,145 | 1,611 | 1,534 | 641 | 326 | 315 | 227 | 117 | 111 |
| 7 | 4,076 | 2,086 | 1,990 | 3,182 | 1,631 | 1,551 | 667 | 338 | 329 | 227 | 117 | 110 |
| 8 | 3,998 | 2,042 | 1,955 | 3,122 | 1,596 | 1,526 | 651 | 331 | 320 | 225 | 116 | 110 |
| 9 | 4,319 | 2,212 | 2,107 | 3,362 | 1,724 | 1,638 | 716 | 364 | 352 | 240 | 124 | 117 |
| 10-14 | 20,434 | 10,463 | 9,971 | 15,935 | 8,172 | 7,763 | 3,369 | 1,711 | 1,658 | 1,130 | 580 | 550 |
| 10 | 4,314 | 2,212 | 2,102 | 3,367 | 1,729 | 1,638 | 715 | 363 | 352 | 232 | 120 | 112 |
| 11 | 4,101 | 2,099 | 2,002 | 3,187 | 1,634 | 1,553 | 692 | 351 | 341 | 222 | 114 | 108 |
| 12 | 4,012 | 2,051 | 1,961 | 3,115 | 1,595 | 1,520 | 670 | 340 | 330 | 227 | 116 | 111 |
| 13 | 3,995 | 2,043 | 1,952 | 3,124 | 1,600 | 1,524 | 648 | 329 | 319 | 223 | 114 | 109 |
| 14 | 4,012 | 2,058 | 1,954 | 3,142 | 1,615 | 1,528 | 643 | 328 | 316 | 227 | 116 | 111 |
| 15-19 | 20,283 | 10,391 | 9,892 | 15,980 | 8,213 | 7,767 | 3,192 | 1,613 | 1,579 | 1,111 | 565 | 546 |
| 15 | 4,039 | 2,073 | 1,966 | 3,163 | 1,627 | 1,536 | 649 | 331 | 318 | 227 | 115 | 112 |
| 16 | 3,950 | 2,034 | 1,916 | 3,103 | 1,602 | 1,501 | 626 | 320 | 306 | 220 | 112 | 109 |
| 17 | 4,123 | 2,127 | 1,996 | 3,244 | 1,678 | 1,566 | 649 | 332 | 317 | 229 | 116 | 113 |
| 18 | 4,019 | 2,054 | 1,965 | 3,182 | 1,632 | 1,550 | 627 | 314 | 313 | 210 | 108 | 102 |
| 19 | 4,153 | 2,103 | 2,050 | 3,288 | 1,674 | 1,614 | 641 | 316 | 325 | 225 | 114 | 110 |
| 20-24 | 18,742 | 9,440 | 9,301 | 14,874 | 7,548 | 7,326 | 2,839 | 1,372 | 1,467 | 1,029 | 520 | 508 |
| 20 | 4,126 | 2,088 | 2,038 | 3,269 | 1,663 | 1,605 | 641 | 314 | 327 | 216 | 110 | 106 |
| 21 | 3,859 | 1,951 | 1,907 | 3,052 | 1,552 | 1,500 | 596 | 291 | 305 | 211 | 108 | 103 |
| 22 | 3,643 | 1,834 | 1,808 | 2,901 | 1,472 | 1,429 | 543 | 262 | 281 | 199 | 101 | 98 |
| 23 | 3,586 | 1,800 | 1,786 | 2,849 | 1,443 | 1,407 | 540 | 258 | 282 | 196 | 99 | 97 |
| 24 | 3,528 | 1,767 | 1,762 | 2,802 | 1,417 | 1,385 | 520 | 247 | 273 | 206 | 103 | 103 |
| 25-29 | 18,265 | 9,042 | 9,223 | 14,408 | 7,202 | 7,206 | 2,680 | 1,255 | 1,425 | 1,177 | 585 | 592 |
| 25 | 3,536 | 1,762 | 1,774 | 2,805 | 1,412 | 1,393 | 519 | 245 | 274 | 212 | 105 | 107 |
| 26 | 3,451 | 1,708 | 1,743 | 2,721 | 1,360 | 1,360 | 510 | 239 | 271 | 220 | 109 | 112 |
| 27 | 3,549 | 1,757 | 1,792 | 2,785 | 1,393 | 1,392 | 527 | 246 | 281 | 236 | 117 | 119 |
| 28 | 3,545 | 1,749 | 1,795 | 2,800 | 1,395 | 1,405 | 513 | 239 | 274 | 231 | 115 | 117 |
| 29 | 4,185 | 2,065 | 2,119 | 3,296 | 1,641 | 1,656 | 612 | 285 | 327 | 277 | 139 | 137 |
| 30-34 | 19,781 | 9,813 | 9,967 | 15,816 | 7,920 | 7,896 | 2,753 | 1,307 | 1,445 | 1,212 | 586 | 626 |
| 30 | 4,057 | 2,013 | 2,045 | 3,239 | 1,619 | 1,620 | 565 | 270 | 295 | 254 | 124 | 130 |
| 31 | 3,866 | 1,918 | 1,947 | 3,095 | 1,549 | 1,546 | 526 | 252 | 275 | 244 | 118 | 126 |
| 32 | 3,828 | 1,899 | 1,929 | 3,054 | 1,530 | 1,524 | 535 | 253 | 282 | 239 | 115 | 124 |
| 33 | 3,890 | 1,922 | 1,968 | 3,125 | 1,561 | 1,564 | 536 | 252 | 283 | 230 | 110 | 120 |
| 34 | 4,140 | 2,061 | 2,079 | 3,304 | 1,662 | 1,642 | 591 | 280 | 310 | 245 | 119 | 127 |
| 35-39 | 22,380 | 11,116 | 11,264 | 18,222 | 9,138 | 9,084 | 2,972 | 1,405 | 1,567 | 1,186 | 573 | 613 |
| 35 | 4,333 | 2,152 | 2,181 | 3,491 | 1,750 | 1,741 | 598 | 284 | 314 | 243 | 117 | 126 |
| 36 | 4,386 | 2,174 | 2,212 | 3,568 | 1,787 | 1,781 | 583 | 274 | 309 | 235 | 113 | 122 |

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| | | | | | | | | | | | | |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-----|-----|
| 37 | 4,505 | 2,235 | 2,270 | 3,664 | 1,835 | 1,829 | 598 | 283 | 316 | 242 | 117 | 125 |
| 38 | 4,324 | 2,144 | 2,180 | 3,548 | 1,777 | 1,772 | 559 | 263 | 296 | 217 | 104 | 112 |
| 39 | 4,833 | 2,411 | 2,421 | 3,951 | 1,990 | 1,961 | 634 | 301 | 332 | 248 | 121 | 128 |
| 40-44 | 22,735 | 11,283 | 11,452 | 18,733 | 9,389 | 9,343 | 2,884 | 1,361 | 1,523 | 1,118 | 533 | 586 |
| 40 | 4,718 | 2,347 | 2,371 | 3,867 | 1,943 | 1,925 | 613 | 290 | 323 | 238 | 114 | 124 |
| 41 | 4,545 | 2,253 | 2,292 | 3,739 | 1,873 | 1,867 | 578 | 271 | 307 | 228 | 109 | 119 |
| 42 | 4,539 | 2,253 | 2,287 | 3,752 | 1,879 | 1,873 | 567 | 268 | 299 | 220 | 105 | 114 |
| 43 | 4,476 | 2,214 | 2,263 | 3,684 | 1,841 | 1,844 | 566 | 266 | 300 | 226 | 107 | 119 |
| 44 | 4,456 | 2,217 | 2,239 | 3,690 | 1,854 | 1,836 | 560 | 266 | 294 | 206 | 97 | 109 |
| 45-49 | 20,006 | 9,838 | 10,168 | 16,670 | 8,290 | 8,380 | 2,383 | 1,101 | 1,282 | 953 | 447 | 505 |
| 45 | 4,314 | 2,136 | 2,178 | 3,578 | 1,790 | 1,788 | 531 | 249 | 282 | 205 | 97 | 108 |
| 46 | 4,074 | 2,006 | 2,069 | 3,403 | 1,694 | 1,709 | 481 | 223 | 258 | 190 | 89 | 101 |
| 47 | 4,000 | 1,962 | 2,039 | 3,322 | 1,648 | 1,674 | 479 | 220 | 259 | 199 | 93 | 105 |
| 48 | 3,715 | 1,818 | 1,897 | 3,131 | 1,550 | 1,581 | 417 | 190 | 227 | 167 | 78 | 89 |
| 49 | 3,901 | 1,917 | 1,984 | 3,236 | 1,608 | 1,628 | 474 | 219 | 255 | 191 | 90 | 101 |
| 50-54 | 17,156 | 8,359 | 8,797 | 14,601 | 7,194 | 7,407 | 1,797 | 809 | 987 | 758 | 356 | 402 |
| 50 | 3,710 | 1,816 | 1,894 | 3,111 | 1,540 | 1,570 | 423 | 193 | 231 | 176 | 83 | 93 |
| 51 | 3,493 | 1,704 | 1,790 | 2,954 | 1,457 | 1,497 | 380 | 172 | 208 | 160 | 75 | 85 |
| 52 | 3,462 | 1,686 | 1,776 | 2,956 | 1,456 | 1,501 | 356 | 160 | 196 | 150 | 70 | 80 |
| 53 | 3,736 | 1,820 | 1,916 | 3,245 | 1,597 | 1,648 | 350 | 157 | 193 | 141 | 66 | 75 |
| 54 | 2,755 | 1,334 | 1,421 | 2,335 | 1,144 | 1,191 | 288 | 128 | 160 | 132 | 62 | 69 |
| 55-59 | 13,221 | 6,363 | 6,858 | 11,369 | 5,531 | 5,838 | 1,320 | 579 | 741 | 531 | 252 | 279 |
| 55 | 2,735 | 1,319 | 1,416 | 2,317 | 1,130 | 1,188 | 295 | 132 | 164 | 122 | 58 | 64 |
| 56 | 2,771 | 1,334 | 1,437 | 2,386 | 1,162 | 1,224 | 275 | 119 | 156 | 109 | 52 | 57 |
| 57 | 2,929 | 1,411 | 1,517 | 2,542 | 1,237 | 1,305 | 278 | 123 | 155 | 108 | 51 | 57 |
| 58 | 2,387 | 1,145 | 1,241 | 2,063 | 1,001 | 1,062 | 233 | 102 | 131 | 91 | 43 | 48 |
| 59 | 2,399 | 1,153 | 1,246 | 2,060 | 1,001 | 1,059 | 239 | 104 | 135 | 100 | 48 | 52 |
| 60-64 | 10,562 | 5,007 | 5,555 | 9,074 | 4,352 | 4,722 | 1,074 | 460 | 614 | 414 | 195 | 220 |
| 60 | 2,241 | 1,062 | 1,179 | 1,918 | 918 | 999 | 232 | 100 | 132 | 92 | 43 | 48 |
| 61 | 2,161 | 1,030 | 1,132 | 1,862 | 898 | 964 | 215 | 92 | 123 | 84 | 40 | 44 |
| 62 | 2,114 | 1,002 | 1,112 | 1,811 | 869 | 942 | 219 | 94 | 125 | 84 | 39 | 44 |
| 63 | 2,013 | 957 | 1,056 | 1,739 | 837 | 902 | 197 | 84 | 113 | 77 | 36 | 41 |
| 64 | 2,033 | 956 | 1,077 | 1,745 | 830 | 914 | 210 | 90 | 121 | 78 | 36 | 42 |
| 65-69 | 9,329 | 4,302 | 5,027 | 8,068 | 3,758 | 4,309 | 934 | 400 | 534 | 328 | 144 | 184 |
| 65 | 2,014 | 942 | 1,073 | 1,732 | 820 | 912 | 209 | 88 | 121 | 74 | 34 | 40 |
| 66 | 1,844 | 859 | 985 | 1,589 | 746 | 842 | 189 | 83 | 105 | 67 | 30 | 37 |
| 67 | 1,832 | 847 | 985 | 1,578 | 739 | 839 | 189 | 80 | 109 | 65 | 28 | 37 |
| 68 | 1,774 | 811 | 963 | 1,541 | 711 | 831 | 172 | 74 | 99 | 61 | 26 | 34 |
| 69 | 1,865 | 844 | 1,021 | 1,628 | 743 | 885 | 175 | 75 | 100 | 62 | 26 | 36 |
| 70-74 | 8,664 | 3,851 | 4,813 | 7,649 | 3,427 | 4,222 | 751 | 313 | 438 | 264 | 111 | 153 |
| 70 | 1,833 | 833 | 1,000 | 1,603 | 736 | 866 | 171 | 71 | 99 | 60 | 26 | 34 |
| 71 | 1,774 | 797 | 977 | 1,563 | 708 | 855 | 157 | 66 | 91 | 55 | 23 | 31 |
| 72 | 1,789 | 802 | 988 | 1,584 | 716 | 869 | 150 | 63 | 87 | 55 | 23 | 32 |
| 73 | 1,660 | 725 | 935 | 1,474 | 648 | 826 | 138 | 57 | 81 | 48 | 20 | 29 |
| 74 | 1,606 | 693 | 913 | 1,425 | 619 | 806 | 135 | 55 | 79 | 47 | 19 | 28 |
| 75-79 | 7,351 | 3,088 | 4,263 | 6,599 | 2,786 | 3,814 | 557 | 219 | 337 | 195 | 83 | 112 |
| 75 | 1,595 | 683 | 912 | 1,426 | 614 | 812 | 125 | 52 | 74 | 44 | 18 | 26 |
| 76 | 1,516 | 646 | 870 | 1,366 | 586 | 780 | 110 | 44 | 66 | 40 | 17 | 23 |
| 77 | 1,437 | 603 | 834 | 1,289 | 543 | 745 | 109 | 43 | 66 | 40 | 17 | 23 |
| 78 | 1,445 | 598 | 847 | 1,302 | 542 | 760 | 107 | 40 | 66 | 36 | 16 | 21 |
| 79 | 1,358 | 557 | 801 | 1,217 | 501 | 716 | 106 | 41 | 65 | 35 | 15 | 20 |
| 80-84 | 4,863 | 1,857 | 3,006 | 4,415 | 1,690 | 2,725 | 337 | 120 | 217 | 111 | 47 | 64 |
| 80 | 1,164 | 464 | 700 | 1,051 | 420 | 631 | 85 | 31 | 54 | 28 | 12 | 16 |
| 81 | 1,057 | 412 | 645 | 960 | 375 | 585 | 74 | 27 | 47 | 24 | 10 | 14 |
| 82 | 956 | 363 | 593 | 872 | 332 | 540 | 64 | 23 | 41 | 21 | 8 | 12 |

2000 NHDS DATA FILE DOCUMENTATION

| | | | | | | | | | | | | |
|----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|-------|-------|
| 83 | 884 | 328 | 556 | 806 | 300 | 506 | 58 | 20 | 38 | 20 | 8 | 11 |
| 84 | 802 | 289 | 512 | 727 | 262 | 464 | 56 | 19 | 37 | 19 | 8 | 11 |
| 85-89 | 2,678 | 880 | 1,797 | 2,438 | 800 | 1,638 | 182 | 58 | 124 | 58 | 23 | 35 |
| 85 | 689 | 241 | 448 | 630 | 221 | 409 | 45 | 15 | 30 | 15 | 6 | 9 |
| 86 | 606 | 205 | 402 | 552 | 186 | 366 | 41 | 13 | 28 | 13 | 5 | 8 |
| 87 | 537 | 174 | 363 | 487 | 158 | 330 | 38 | 12 | 26 | 12 | 5 | 7 |
| 88 | 455 | 143 | 311 | 414 | 130 | 285 | 30 | 10 | 21 | 10 | 4 | 6 |
| 89 | 391 | 117 | 274 | 354 | 105 | 249 | 28 | 8 | 20 | 9 | 3 | 5 |
| 90-94 | 1,168 | 318 | 850 | 1,052 | 283 | 769 | 91 | 25 | 65 | 26 | 10 | 16 |
| 90 | 331 | 96 | 235 | 299 | 86 | 213 | 25 | 7 | 18 | 7 | 3 | 4 |
| 91 | 277 | 77 | 200 | 251 | 69 | 181 | 20 | 6 | 14 | 6 | 2 | 4 |
| 92 | 230 | 62 | 169 | 207 | 55 | 153 | 18 | 5 | 13 | 5 | 2 | 3 |
| 93 | 184 | 47 | 136 | 164 | 42 | 123 | 15 | 4 | 11 | 4 | 2 | 3 |
| 94 | 146 | 36 | 110 | 130 | 31 | 99 | 13 | 3 | 9 | 3 | 1 | 2 |
| 95-99 | 360 | 81 | 279 | 314 | 68 | 245 | 37 | 9 | 28 | 9 | 3 | 6 |
| 95 | 120 | 28 | 92 | 106 | 24 | 81 | 11 | 3 | 8 | 3 | 1 | 2 |
| 96 | 90 | 20 | 70 | 79 | 18 | 62 | 9 | 2 | 6 | 2 | 1 | 1 |
| 97 | 66 | 14 | 52 | 58 | 12 | 46 | 7 | 2 | 5 | 2 | 1 | 1 |
| 98 | 46 | 10 | 36 | 40 | 8 | 32 | 5 | 1 | 4 | 1 | 0 | 1 |
| 99 | 37 | 7 | 29 | 31 | 6 | 25 | 5 | 1 | 4 | 1 | 0 | 1 |
| 100+ | 64 | 12 | 52 | 53 | 9 | 44 | 8 | 2 | 7 | 2 | 1 | 2 |
| 0 to 14 | 60,493 | 30,943 | 29,549 | 47,334 | 24,252 | 23,081 | 9,706 | 4,930 | 4,776 | 3,453 | 1,762 | 1,691 |
| 15 to 44 | 122,186 | 61,086 | 61,100 | 98,033 | 49,412 | 48,621 | 17,319 | 8,313 | 9,007 | 6,834 | 3,362 | 3,472 |
| 45 to 64 | 60,945 | 29,567 | 31,377 | 51,714 | 25,367 | 26,347 | 6,574 | 2,950 | 3,624 | 2,657 | 1,251 | 1,406 |
| 15+ | 217,606 | 105,042 | 112,564 | 180,334 | 87,599 | 92,735 | 26,788 | 12,408 | 14,380 | 10,485 | 5,035 | 5,449 |
| 45+ | 95,421 | 43,956 | 51,465 | 82,301 | 38,187 | 44,114 | 9,469 | 4,095 | 5,373 | 3,651 | 1,673 | 1,977 |
| 65+ | 34,476 | 14,389 | 20,087 | 30,587 | 12,821 | 17,767 | 2,895 | 1,146 | 1,749 | 994 | 422 | 572 |
| 75+ | 16,483 | 6,235 | 10,248 | 14,871 | 5,636 | 9,236 | 1,211 | 433 | 777 | 402 | 167 | 235 |
| 85+ | 4,269 | 1,290 | 2,979 | 3,856 | 1,160 | 2,697 | 317 | 94 | 223 | 96 | 37 | 59 |

2000 NHDS DATA FILE DOCUMENTATION

APPENDIX D

UNWEIGHTED FREQUENCIES FOR SELECTED VARIABLES

| | <u>NEWBORN INFANTS</u> | <u>NON-NEWBORNS</u> |
|----------------------------|------------------------|---------------------|
| SURVEY YEAR | | |
| 00 | 35,998 | 277,261 |
| UNITS | | |
| YEARS | . | 269,343 |
| MONTHS | . | 5,462 |
| DAYS | 35,998 | 2,456 |
| AGE | | |
| UNDER 15 | 35,998 | 24,317 |
| 15-44 | . | 90,181 |
| 45-64 | . | 61,327 |
| 65 AND OVER | . | 101,436 |
| SEX | | |
| MALE | 18,405 | 109,024 |
| FEMALE | 17,593 | 168,237 |
| RACE | | |
| WHITE | 17,255 | 146,308 |
| BLACK/AFRICAN AMERICAN | 4,576 | 38,777 |
| AM IND/ALASKAN NATIVE | 181 | 756 |
| ASIAN | 266 | 1,339 |
| NATIVE HAWAIIAN/OTH PI | 68 | 265 |
| OTHER | 2,368 | 10,819 |
| MULTIPLE RACE | 8 | 44 |
| NOT STATED | 11,276 | 78,953 |
| MARITAL STATUS | | |
| MARRIED | 28 | 43,077 |
| SINGLE | 12,325 | 26,074 |
| WIDOWED | 2 | 14,545 |
| DIVORCED | 5 | 5,328 |
| SEPARATED | 19 | 1,029 |
| NOT STATED | 23,619 | 187,208 |
| DISCHARGE STATUS | | |
| ROUTINE/DISCHARGED HOME | 33,483 | 211,231 |
| LEFT AGAINST MED ADVICE | 9 | 2,303 |
| TRANSFER TO SHORT-TERM FAC | 371 | 7,137 |
| TRANSFER TO LONG-TERM CARE | 63 | 21,670 |
| ALIVE, STATUS NOT STATED | 1,913 | 26,263 |
| DEAD | 130 | 6,996 |
| NOT STATED | 29 | 1,661 |
| LENGTH OF STAY FLAG | | |
| LESS THAN 1 DAY | 343 | 5,294 |
| ONE DAY OR LONGER | 35,655 | 271,967 |
| REGION | | |
| NORTHEAST | 6,851 | 61,362 |
| MIDWEST | 10,477 | 87,744 |
| SOUTH | 11,966 | 90,839 |
| WEST | 6,704 | 37,316 |
| BEDSIZE | | |
| 6 TO 99 | 3,112 | 32,784 |
| 100 TO 199 | 7,641 | 55,388 |
| 200 TO 299 | 8,198 | 59,186 |
| 300 TO 499 | 12,646 | 94,964 |
| 500 AND OVER | 4,401 | 34,939 |

2000 NHDS DATA FILE DOCUMENTATION

HOSPITAL OWNERSHIP

| | | |
|------------------------|--------|---------|
| PROPRIETARY | 2,385 | 18,381 |
| GOVERNMENT | 2,865 | 24,389 |
| NONPROFIT, INCL CHURCH | 30,748 | 234,491 |

EXPECTED SOURCE OF PAYMENT, PRINCIPAL

| | | |
|----------------------|--------|---------|
| WORKERS COMPENSATION | 4 | 1,735 |
| MEDICARE | . | 101,475 |
| MEDICAID | 9,865 | 36,977 |
| OTHER GOVERNMENT | 205 | 2,342 |
| BLUECROSS/BLUESHIELD | 4,245 | 23,537 |
| HMO/PPO | 11,303 | 49,217 |
| OTHER PRIVATE | 7,007 | 39,232 |
| SELF-PAY | 1,648 | 12,043 |
| NO CHARGE | 31 | 1,613 |
| OTHER | 1,376 | 7,462 |
| NOT STATED | 314 | 1,628 |

DISCHARGE MONTH

| | | |
|-----|-------|--------|
| JAN | 2,860 | 24,096 |
| FEB | 2,820 | 22,964 |
| MAR | 3,027 | 24,382 |
| APR | 2,878 | 22,535 |
| MAY | 3,100 | 23,610 |
| JUN | 3,080 | 23,092 |
| JUL | 3,112 | 22,331 |
| AUG | 3,119 | 23,235 |
| SEP | 3,099 | 22,636 |
| OCT | 3,026 | 23,170 |
| NOV | 2,914 | 22,422 |
| DEC | 2,963 | 22,788 |

FIRST TWO DIGITS OF SURVEY YEAR

| | | |
|----|--------|---------|
| 20 | 35,998 | 277,261 |
|----|--------|---------|

FIRST-LISTED DIAGNOSIS by ICD-9-CM CHAPTER

| | | |
|------------|--------|--------|
| VCODES | 35,998 | 43,336 |
| CHAPTER 01 | . | 6,917 |
| CHAPTER 02 | . | 15,333 |
| CHAPTER 03 | . | 12,289 |
| CHAPTER 04 | . | 3,688 |
| CHAPTER 05 | . | 16,535 |
| CHAPTER 06 | . | 4,553 |
| CHAPTER 07 | . | 54,560 |
| CHAPTER 08 | . | 28,717 |
| CHAPTER 09 | . | 26,498 |
| CHAPTER 10 | . | 14,520 |
| CHAPTER 11 | . | 4,823 |
| CHAPTER 12 | . | 4,557 |
| CHAPTER 13 | . | 13,471 |
| CHAPTER 14 | . | 1,939 |
| CHAPTER 15 | . | 1,686 |
| CHAPTER 16 | . | 2,129 |
| CHAPTER 17 | . | 21,710 |

2000 NHDS DATA FILE DOCUMENTATION

UNWEIGHTED FREQUENCIES FOR ALL-LISTED DIAGNOSIS by ICD-9-CM CHAPTERS

| | <u>NEWBORN INFANTS</u> | <u>NON-NEWBORNS</u> |
|------------|------------------------|---------------------|
| ALL | 70,457 | 1,257,886 |
| ECODES | 24 | 28,996 |
| VCODES | 43,675 | 108,174 |
| CHAPTER 01 | 377 | 30,781 |
| CHAPTER 02 | 97 | 39,897 |
| CHAPTER 03 | 182 | 129,048 |
| CHAPTER 04 | 40 | 37,082 |
| CHAPTER 05 | 2 | 80,482 |
| CHAPTER 06 | 119 | 30,622 |
| CHAPTER 07 | 167 | 262,141 |
| CHAPTER 08 | 119 | 89,311 |
| CHAPTER 09 | 191 | 78,221 |
| CHAPTER 10 | 374 | 65,028 |
| CHAPTER 11 | . | 85,367 |
| CHAPTER 12 | 226 | 16,826 |
| CHAPTER 13 | 87 | 45,150 |
| CHAPTER 14 | 2,454 | 6,765 |
| CHAPTER 15 | 21,716 | 4,933 |
| CHAPTER 16 | 528 | 68,143 |
| CHAPTER 17 | 79 | 50,919 |

UNWEIGHTED FREQUENCIES FOR ALL-LISTED PROCEDURES by ICD-9-CM CHAPTERS

| | <u>NEWBORN INFANTS</u> | <u>NON-NEWBORNS</u> |
|------------|------------------------|---------------------|
| ALL | 22,675 | 389,215 |
| CHAPTER 01 | 272 | 10,795 |
| CHAPTER 02 | . | 899 |
| CHAPTER 03 | 6 | 875 |
| CHAPTER 04 | 8 | 429 |
| CHAPTER 05 | 19 | 2,645 |
| CHAPTER 06 | 190 | 9,582 |
| CHAPTER 07 | 1,084 | 60,436 |
| CHAPTER 08 | . | 3,263 |
| CHAPTER 09 | 98 | 46,659 |
| CHAPTER 10 | 8 | 8,538 |
| CHAPTER 11 | 12,199 | 2,420 |
| CHAPTER 12 | 1 | 18,515 |
| CHAPTER 13 | . | 65,879 |
| CHAPTER 14 | 6 | 28,932 |
| CHAPTER 15 | 84 | 11,913 |
| CHAPTER 16 | 8,700 | 117,435 |

2000 NHDS DATA FILE DOCUMENTATION

WEIGHTED FREQUENCIES FOR SELECTED VARIABLES

| | <u>NEWBORN INFANTS</u> | <u>NON-NEWBORNS</u> |
|----------------------------|------------------------|---------------------|
| SURVEY YEAR | | |
| 00 | 3,642,514 | 31,705,672 |
| UNITS | | |
| YEARS | . | 30,923,824 |
| MONTHS | . | 553,389 |
| DAYS | 3,642,514 | 228,459 |
| AGE | | |
| UNDER 15 | 3,642,514 | 2,382,813 |
| 15-44 | . | 9,968,908 |
| 45-64 | . | 6,958,001 |
| 65 AND OVER | . | 12,395,950 |
| SEX | | |
| MALE | 1,869,453 | 12,513,977 |
| FEMALE | 1,773,061 | 19,191,695 |
| RACE | | |
| WHITE | 1,968,770 | 19,165,231 |
| BLACK/AFRICAN AMERICN | 408,300 | 3,571,561 |
| AM IND/ALASKAN NATIVE | 35,878 | 141,992 |
| ASIAN | 62,422 | 325,897 |
| NATIVE HAWAIIAN/OTH PI | 11,285 | 54,978 |
| OTHER | 114,203 | 534,298 |
| MULTIPLE RACE | 1,860 | 14,235 |
| NOT STATED | 1,039,796 | 7,897,480 |
| MARITAL STATUS | | |
| MARRIED | 10,729 | 9,271,343 |
| SINGLE | 2,316,577 | 5,623,009 |
| WIDOWED | 693 | 3,360,555 |
| DIVORCED | 1,206 | 1,191,334 |
| SEPARATED | 4,593 | 177,069 |
| NOT STATED | 1,308,716 | 12,082,362 |
| DISCHARGE STATUS | | |
| ROUTINE/DISCRGD HOME | 3,474,041 | 24,680,844 |
| LEFT AGAINST MED ADVICE | 1,071 | 248,861 |
| TRANSFER TO SHORT-TERM | 53,100 | 1,345,576 |
| TRANSFER TO LONG-TERM | 5,115 | 2,602,502 |
| ALIVE, STATUS NOT STATED | 89,108 | 1,819,961 |
| DEAD | 13,116 | 776,236 |
| NOT STATED | 6,963 | 231,692 |
| LENGTH OF STAY FLAG | | |
| LESS THAN 1 DAY | 45,309 | 714,514 |
| ONE DAY OR LONGER | 3,597,205 | 30,991,158 |
| REGION | | |
| NORTHEAST | 754,967 | 7,102,516 |
| MIDWEST | 792,441 | 7,207,208 |
| SOUTH | 1,343,998 | 12,015,500 |
| WEST | 751,108 | 5,380,448 |
| BEDSIZE | | |
| 6 TO 99 | 689,815 | 7,352,910 |
| 100 TO 199 | 1,040,686 | 8,590,116 |
| 200 TO 299 | 591,551 | 5,437,208 |
| 300 TO 499 | 916,561 | 7,253,089 |
| 500 AND OVER | 403,901 | 3,072,349 |

2000 NHDS DATA FILE DOCUMENTATION

HOSPITAL OWNERSHIP

| | | |
|------------------------|-----------|------------|
| PROPRIETARY | 332,910 | 3,312,241 |
| GOVERNMENT | 437,270 | 3,979,338 |
| NONPROFIT, INCL CHURCH | 2,872,334 | 24,414,093 |

EXPECTED SOURCE OF PAYMENT, PRINCIPAL

| | | |
|----------------------|-----------|------------|
| WORKERS COMPENSATION | 1,535 | 193,083 |
| MEDICARE | . | 12,329,344 |
| MEDICAID | 1,140,579 | 4,451,235 |
| OTHER GOVERNMENT | 36,502 | 387,632 |
| BLUECROSS/BLUESHIELD | 445,153 | 2,556,970 |
| HMO/PPO | 956,319 | 4,864,340 |
| OTHER PRIVATE | 683,746 | 4,305,995 |
| SELF-PAY | 219,101 | 1,506,372 |
| NO CHARGE | 11,401 | 171,462 |
| OTHER | 95,417 | 641,178 |
| NOT STATED | 52,761 | 298,061 |

DISCHARGE MONTH

| | | |
|-----|---------|-----------|
| JAN | 288,951 | 2,824,250 |
| FEB | 293,117 | 2,634,503 |
| MAR | 312,122 | 2,772,481 |
| APR | 288,293 | 2,564,820 |
| MAY | 322,444 | 2,667,962 |
| JUN | 314,380 | 2,625,161 |
| JUL | 306,150 | 2,525,687 |
| AUG | 315,435 | 2,684,705 |
| SEP | 314,311 | 2,585,478 |
| OCT | 305,653 | 2,629,703 |
| NOV | 281,486 | 2,599,185 |
| DEC | 300,172 | 2,591,737 |

FIRST TWO DIGITS OF SURVEY YEAR

| | | |
|----|-----------|------------|
| 20 | 3,642,514 | 31,705,672 |
|----|-----------|------------|

FIRST-LISTED DIAGNOSIS by ICD-9-CM CHAPTER

| | | |
|------------|-----------|-----------|
| VCODES | 3,642,514 | 4,639,631 |
| CHAPTER 01 | . | 787,324 |
| CHAPTER 02 | . | 1,587,365 |
| CHAPTER 03 | . | 1,455,072 |
| CHAPTER 04 | . | 391,676 |
| CHAPTER 05 | . | 2,146,828 |
| CHAPTER 06 | . | 471,211 |
| CHAPTER 07 | . | 6,293,860 |
| CHAPTER 08 | . | 3,443,788 |
| CHAPTER 09 | . | 3,143,100 |
| CHAPTER 10 | . | 1,743,459 |
| CHAPTER 11 | . | 504,299 |
| CHAPTER 12 | . | 513,962 |
| CHAPTER 13 | . | 1,530,270 |
| CHAPTER 14 | . | 165,237 |
| CHAPTER 15 | . | 155,592 |
| CHAPTER 16 | . | 266,591 |
| CHAPTER 17 | . | 2,466,407 |

□

2000 NHDS DATA FILE DOCUMENTATION

WEIGHTED FREQUENCIES FOR ALL-LISTED DIAGNOSES by ICD-9-CM CHAPTERS

| | <u>NEWBORN INFANTS</u> | <u>NON-NEWBORNS</u> |
|------------|------------------------|---------------------|
| ALL | 6,982,745 | 142,118,933 |
| ECODES | 2,915 | 4,086,761 |
| VCODES | 4,353,502 | 11,552,723 |
| CHAPTER 01 | 30,561 | 3,440,867 |
| CHAPTER 02 | 13,104 | 4,236,991 |
| CHAPTER 03 | 14,692 | 14,726,506 |
| CHAPTER 04 | 3,440 | 4,157,996 |
| CHAPTER 05 | 167 | 9,687,705 |
| CHAPTER 06 | 9,801 | 3,493,882 |
| CHAPTER 07 | 16,824 | 29,893,748 |
| CHAPTER 08 | 11,851 | 10,261,644 |
| CHAPTER 09 | 21,202 | 9,131,275 |
| CHAPTER 10 | 37,467 | 7,451,102 |
| CHAPTER 11 | . | 8,546,593 |
| CHAPTER 12 | 24,224 | 1,821,776 |
| CHAPTER 13 | 8,624 | 5,499,421 |
| CHAPTER 14 | 246,156 | 626,235 |
| CHAPTER 15 | 2,128,246 | 444,222 |
| CHAPTER 16 | 53,284 | 7,289,408 |
| CHAPTER 17 | 6,685 | 5,770,078 |

WEIGHTED FREQUENCIES FOR ALL-LISTED PROCEDURES by ICD-9-CM CHAPTERS

| | <u>NEWBORN INFANTS</u> | <u>NON-NEWBORNS</u> |
|------------|------------------------|---------------------|
| ALL | 2,276,294 | 39,981,139 |
| CHAPTER 01 | 29,735 | 999,575 |
| CHAPTER 02 | . | 90,211 |
| CHAPTER 03 | 399 | 80,316 |
| CHAPTER 04 | 1,161 | 36,521 |
| CHAPTER 05 | 2,485 | 260,734 |
| CHAPTER 06 | 11,601 | 968,638 |
| CHAPTER 07 | 111,452 | 5,938,588 |
| CHAPTER 08 | . | 314,511 |
| CHAPTER 09 | 12,168 | 5,144,629 |
| CHAPTER 10 | 1,525 | 961,689 |
| CHAPTER 11 | 1,167,333 | 257,690 |
| CHAPTER 12 | 79 | 2,060,592 |
| CHAPTER 13 | . | 6,209,327 |
| CHAPTER 14 | 2,138 | 3,170,775 |
| CHAPTER 15 | 7,451 | 1,263,917 |
| CHAPTER 16 | 928,767 | 12,223,426 |

□

APPENDIX E

NHDS Medical Abstract Form

Notice – All information which would permit identification of an individual or an establishment will be held confidential, will be used only by persons engaged in and for the purposes of the survey, and will not be disclosed or released to other persons or used for any other purpose. Public reporting burden of this collection of information is estimated to average 4 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer; 1600 Clifton Road, MS D-24, Atlanta, GA 30333, ATTN: PRA (0920-0212)

FORM **HDS-1**
(11-12-99)

U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU
ACTING AS COLLECTING AGENT FOR
DEPARTMENT OF HEALTH AND HUMAN SERVICES
CENTERS FOR DISEASE CONTROL AND PREVENTION
NATIONAL CENTER FOR HEALTH STATISTICS

MEDICAL ABSTRACT – NATIONAL HOSPITAL DISCHARGE SURVEY

A. PATIENT IDENTIFICATION

| | | | |
|--------------------------|----------------------|-----------------------------|--|
| 1. Hospital number | <input type="text"/> | 4. Date of admission | Month <input type="text"/> <input type="text"/> - Day <input type="text"/> <input type="text"/> - Year <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| 2. HDS number | <input type="text"/> | 5. Date of discharge | <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
| 3. Medical record number | <input type="text"/> | 6. Residence ZIP Code | <input type="text"/> |

B. PATIENT CHARACTERISTICS

| | | | |
|------------------|--|---|--|
| 7. Date of birth | Month <input type="text"/> <input type="text"/> - Day <input type="text"/> <input type="text"/> - Year <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> | 8. Age (Complete only if date of birth not given) | Units <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <ul style="list-style-type: none"> 1 <input type="checkbox"/> Years 2 <input type="checkbox"/> Months 3 <input type="checkbox"/> Days |
|------------------|--|---|--|

| | | | |
|-----------------------|---------------------------------|-----------------------------------|---------------------------------------|
| 9. Sex (Mark (X) one) | 1 <input type="checkbox"/> Male | 2 <input type="checkbox"/> Female | 3 <input type="checkbox"/> Not stated |
|-----------------------|---------------------------------|-----------------------------------|---------------------------------------|

| | | | |
|------------------------------|---|---|---------------------------------------|
| 10. Ethnicity (Mark (X) one) | 1 <input type="checkbox"/> Hispanic or Latino | 2 <input type="checkbox"/> Not Hispanic or Latino | 3 <input type="checkbox"/> Not stated |
|------------------------------|---|---|---------------------------------------|

| | | | |
|----------|---|--|--|
| 11. Race | 1 <input type="checkbox"/> White | 4 <input type="checkbox"/> Asian | 6 <input type="checkbox"/> Other (Specify) |
| | 2 <input type="checkbox"/> Black or African American | 5 <input type="checkbox"/> Native Hawaiian or Other Pacific Islander | <input type="text"/> |
| | 3 <input type="checkbox"/> American Indian or Alaska Native | | 7 <input type="checkbox"/> Not stated |

| | | | |
|-----------------------------------|------------------------------------|-------------------------------------|---------------------------------------|
| 12. Marital status (Mark (X) one) | 1 <input type="checkbox"/> Married | 3 <input type="checkbox"/> Widowed | 5 <input type="checkbox"/> Separated |
| | 2 <input type="checkbox"/> Single | 4 <input type="checkbox"/> Divorced | 6 <input type="checkbox"/> Not stated |

| 13. Expected source(s) of payment | Principal (Mark one only) | Other additional sources (Mark all that apply) |
|---|---------------------------|--|
| 1. Worker's compensation | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Medicare | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Medicaid | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Other government payments | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Blue Cross/Blue Shield | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. HMO/PPO | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Other private or commercial insurance | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Self pay | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. No charge | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Other (Specify) | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> No source of payment indicated | | |

| | | |
|---|--|---|
| 14. Status/Disposition of patient (Mark (X) appropriate box(es)) | Status | Disposition |
| | 1 <input type="checkbox"/> Alive | a. <input type="checkbox"/> Routine discharge/discharged home |
| | | b. <input type="checkbox"/> Left against medical advice |
| | c. <input type="checkbox"/> Discharged, transferred to another short-term hospital | |
| | d. <input type="checkbox"/> Discharged, transferred to long-term care institution | |
| | e. <input type="checkbox"/> Other disposition/not stated | |
| | 2 <input type="checkbox"/> Died | |
| | 3 <input type="checkbox"/> Status not stated | |

C. FINAL DIAGNOSES (including E-code diagnoses) (ICD-9-CM codes may be entered if no narrative is available)

Principal: _____

Other/additional: _____

D. SURGICAL AND DIAGNOSTIC PROCEDURES (ICD-9-CM codes may be entered if no narrative is available)

Date of procedure(s)

Month

Day

Year

Principal: _____

Other/additional: _____

NONE

Completed by _____

Date _____