HIS - 1969 COMPUTER PROCESSING

Industry Recodes Outline

Attachment to Person Final Tape Record

| Recodes | | Detail Code (Chrs. 77-79) | INDUSTRY TITLE | SIC Code |
No. 1 (Chrs. 80-81)	No. 2 (Chrs. 82-83)			
01	01	016	AGRICULTURE	01, 02 ex 07
02	02	017,018	FORESTRY AND FISHERIES	08,09
10	03	126,136, 146,156	MINING	10-14
20	04	196	CONSTRUCTION	15-17
(30-43)	(05)		MANUFACTURING:	
30	05	305-309, 316-319, 326	Food and kindred products	20,07
31	05	346-349, 356	Textile mill products	22
32	05	359,367	Apparel and other finished products made from fabrics and similar materials	23
33	05	206-208	Lumber and wood products, except furnitures	24
34	05	209	Furniture and fixtures	25
35	05	396,398	Printing, publishing, and allied industries	27
36	05	406-409	Chemicals and allied products	28
37	05	216-219, 2362	Stone, clay, and glass products	32
38	05	237-239	Primary metal industries	33
39	05	246-249	Fabricated metal products, except ordnance, machinery, and transportation equipment	34,19 (excl.)
40	05	256-258	Machinery, except electrical	35
41	05	259	Electrical machinery, equipment, and supplies	36

* Standard International Classification

Recodes		Detail Code (Chrs. 77-79)	INDUSTRY TITLE	SIC Code*
No. 1 (Chrs. 80-81)	No. 2 (Chrs. 82-83)			
42	05	267-269, 276	Transportation Equipment	37
43	05	286,287, 289,296, 329,386, 387,389, 416,419, 426,429, 436-438, 459	All other and unspecified	21,26, 29-31, 38,39, 19 (4)
(50-51)	(06)		TRANSPORTATION	
50	06	506	Railroad transportation	40
51	06	507-509, 516-519, 526	All other transportation	41,42 44-47
52	06	536,538, 539	COMMUNICATION	48
53	06	567-569, 576,578 .579	ELECTRIC, GAS, AND SANITARY SERVICES	49
60	07	606-609, 616-619, 626,629	WHOLESALE TRADE	50
(61-62)	(07)		RETAIL TRADE:	
61	07	659	Eating and drinking places	58
62	07	636-639, 646-649, 656-658, 666,676, 678,679, 686,687, 689,696	Other retail trade	52-57, 59
70	08	706,716 726,736	FINANCE, INSURANCE, AND REAL ESTATE	60-67

* Standard International Classification

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Table 1-2.

- 3 -

Recodes		Detail Code	INDUSTRY TITLE	SIC Code
No. 1 (Chrs. 80-81)	No. 2 (Chrs. 82-83)	(Chrs. 77-79)		
(80-87)	(09)		SERVICES:	
80	09	828,829, 836,838, 839	Personal services (except private households)	72
81	09	806,807	Miscellaneous business services	73
82	09	808,809	Repair services	75,76
83	09	846,848 849	Amusement and recreation services	78,79
84	09	867,868	Medical and other health services	80
85	09	876	Educational services	82,8
86	09	816	Private households	88
87	09	826,869, 879,888, 896-898	Other miscellaneous services	70,81 86,8
(90-92)	(10)		GOVERNMENT	
90	10	906,916	Federal government, including international	91,94
91	10	926	State government	92
92	10	936	Local government	93
93	11	999, and all other codes	UNKNOWN INDUSTRY	-
94	11	996	New worker	99
95	12	Not applicable	Codes 0 and 8 in current activity recode (loc.161) (Under 17 or 17? and not in Labor Force)	

* Standard International Classification

HIS - 1969 COMPUTER PROCESSING

Industry Recode No. 2 - Titles

Code	TITLES	Recode No. 1 Inclusions
01	Agriculture	01
02	Forestry and Fisheries	02
03	Mining	10
04	Construction	20
05	Manufacturing	30-43
06	Transportation and Public Utilities	50-53
07	Wholesale and Retail Trade	60-62
08	Finance, Insurance, and Real Estate	70
09	Services and Miscellaneous	80-87
10	Public Administration	90-92
11	Unknown	93,94
12	Not in Labor Force	95

HIS - 1969

Occupation Recode Outline

Recodes		Detail Code (Chrs. 84-86)	OCCUPATION TITLE
No. 1 (Chrs. 87-88)	No. 2 (Chrs. 89-90)		
(01-04)			PROFESSIONAL, TECHNICAL, AND KINDRED WORKERS
01	01	022,071,073, 150-153,160, 162,173,185, 193,194	Physicians, surgeons, nurses
02	01	182-184 030-060	Teachers, including professors and instructors
03	01	080-093,013, 021,072,074, 130-145, 172-175,181, 190-192	Engineers, scientists, and technicians
04	01	Other codes 000-195	All other professional, technical workers
(10-11)	(02)		FARMERS AND FARM MANAGERS
10	02	200	Farmers
11	02	222	Farm managers
(20-24)			MANAGERS, CLERICAL, SALES
20	03	250-290	Managers, officials, and proprietors (except farm)
21	04	304,323,351	Mail carriers, baggagemen, teleg. messengers
22	04	341,342,345, 360	Stenos, typists, secretaries, receptionist
23	04	Other codes 301-370	Other clerical
24	05	380-395	Sales Workers

Recodes		Detail Code (Chrs. 84-86)	OCCUPATION TITLE
No. 1 (Chrs. 87-88)	No. 2 (Chrs. 89-90)		
(30-32)	(06)		CRAFTSMEN
30	06	405,411,413, 421,425,495, 501,505,510, 514,523	Construction, including carpenters
31	06	452,465, 471,475, 480,402,403, 431,435,491, 492,502,513, 525,530	Machinists, mechanics, repairment, and metal craftsmen
32	06	All other numbers with 4 or 5 in first digit	All other craftsmen
(40-44)	(07)		OPERATIVES
40	07	602,603,604 612,613	Apprentice, Construction
41	07	601,605,610 614	Apprentice, machinists, mechanics, metals
42	07	641,650,714, 715	Drivers and delivery men
43	07	685	Mine operatives and laborers
44	07	All other numbers with 6 or 7 in first digit	All other operatives
(50)	(08)		PRIVATE HOUSEHOLD WORKERS
50	08	801-804	Housekeepers, laundresses, baby sitters, etc.
(60-61)	(09)		SERVICE WORKERS
60	09	850-854,860	Protective service workers
61	09	All other numbers with 8 in first digit	All other service workers

Recodes		Detail	OCCUPATION TITLE
No. 1 (Chrs. 87-88)	No. 2 (Chrs.89-90)	Code (Chrs. 84-86)	
(70-71)			LABORERS
70	10	901-903,905	Farm laborers
71	11	960-985	All other laborers except farm and mine
80	12	995, and all other codes	Unknown occupation
90	12	990	New worker
91	13	Not applicable	Codes 0 and 8 in current activity recode (Loc. 161)

HIS - 1969 COMPUTER PROCESSING

Description of Class of Accident Code

The three-digit Class of Accident Code described in detail below classifies accidents as follows:

Total Motor Vehicle Accidents = Codes 1 and 2 in first digit of recode

   Moving Motor Vehicle
                Accidents = Code 1 in first digit of recode

   Nonmoving Motor Vehicle
                Accidents = Code 2 in first digit of recode

Total Work Accidents   = Code 1 in second digit of recode

Total Home Accidents   = Code 1 in third digit of recode

Class of Accident Recode Loc. 169-171	Description
111	Moving motor vehicle - at work - at home
112	Moving motor vehicle - at work - not at home - street or highway
113	Moving motor vehicle - at work - not at home - not on street or highway
121	Moving motor vehicle - not at work - at home - not on street or highway
122	Moving motor vehicle - not at work - not at home - on street or highway
123	Moving motor vehicle - not at work - not at home - not on street or highway
211	Nonmoving motor vehicle - at work - at home
212	Nonmoving motor vehicle - at work - not at home
221	Nonmoving motor vehicle - not at work - at home

Attachment to Final Condition Record--Contd.

Class of Accident Recode Loc. 169-171	Description
222	Nonmoving motor vehicle - not at work - not at home
311	Nonmotor vehicle - at work - at home
312	Nonmotor vehicle - at work - not at home
321	Nonmotor vehicle - not at work - at home
322	Nonmotor vehicle - not at work - not at home
400	Injured in Armed Forces
500	Therapeutic misadventure
600	Injury Condition - No Table A

Weekly

Run 1. a. Check Encoder tape for readability.

b. Household records for completed interviews: transfer identifi-
cation data to person records and also condition, hospital,
doctor visit, special aid, and arthritis records, if present
for this household.

c. Prepare a copy of the output from this run with a table of
control counts for use by the Bureau of the Census.

Run 2.   Sort by PSU X Week and Segment X Household Number X Person
Number X Card Type X Card Serial Number.

Run 3.   Consistency checks within Households in preparing for Data
Rejects.

a. Household record edit--check for missing household record.

b. Household Record Edit--check for dummy household record.

c. Household Record Edit--check for duplicate household records.

d. Household Record Edit--match Census segment control tape with
the HIS Data tape household records. Match on sample, PSU,
Week-Segment, Household Number, Card Type. Reject unmatched
data records. For Unmatched Segment Control Records create
a Data Record (Card Type 9) as a flag for missing data
records.

e. Household Record Edit--recode sample number and Census week
to obtain processing units for tabulating purposes.

f. Composition of Household--check for consistency of records
within a household.

I. Interviewed households:

A. Is there one person record?

B. Are other records present with no person record?

II. Noninterviewed households:

A. Is the household record the only one for this
household?

g. Check for duplicates of record types other than household.

h. Reject person records with person number 29 (nonresponse for this person).

i. Person Record Edit--check for age range, insert age 28 in records coded $\neq$ 00-99.

j. Check family relationship for possible code range.

    I. Person is under 14 and he is an unrelated individual, he must be coded XO, secondary individual not living alone. If he is a family member, he must be coded as a child of head if he is not a grandchild of head or other relative of head.

    II. Persons aged 14 years and over: If he is not coded as an unrelated individual or family member, change code to XO, secondary individual not living alone.

    III. Check family relationship code, sex, and marital status for persons 14+ years. If coded wife, she must be female and married.

k. Compute size of family by family number within each household, code presence or absence of a head of family. If more than one head of a family, change one of these heads to XO.

l. Condition Record Edit--reject dummy condition records.

m. Condition Record Edit--reject conditions coded acute with no medical attention and no days of restricted activity.

n. Hospital Record Edits--reject dummy hospital records.

o. Hospital Record Edits--reject records with missing date of admission or no nights in hospital.

p. Doctor Visit Edit--reject dummy doctor visits and doctor visits as inpatient in hospital.

q. Wrong Record Type--reject any records with wrong record type.

Run 4.   Sort by Identifying Items, Repeat of Run 2.

Run 5.   <u>Final Weekly Edit and Reject Run</u>

<u>Data rejects</u> (If excess in any week, may have to correct these to reduce to acceptable level)

    Missing household record
    Missing person record
    Missing segment control record
    Interviewed Household with no person record present
    Noninterviewed Household with person record present
    Family relationship error--no head of family
    Wrong record type (these are usually by punching errors in the
       encoder tape)
    Hospital record--error in date of admission
    Hospital record--error in total nights in hospital
    Duplicate records by type (person, condition, hospital, doctor
       visit)

<u>Other rejects</u>

    Dummy household record
    Dummy condition record
    Dummy hospital record
    Minor acute conditions
    Missing household records (it is probable that these have
       been replaced)
    Unmatched segment control records
    Error in sample code (has been corrected)
    Family relationship error
    Dummy doctor visit
    Noninterviewed person coded 29 in Person number
    Doctor visit as hospital inpatient
    Duplicate household record
    Duplicate special aid record
    Duplicate arthritis supplement

    Rejects are written on Reject Output File. A table of reject counts is prepared as well as a listing of each record rejected. The listing is in two parts: data rejects and other rejects. The determination of whether data rejects are to be corrected is based on the total number of this type <u>minus</u> the count of "wrong record type." If this new total exceeds 50, the table and listing of rejects are sent to the Data Preparation Branch for correction of enough records to reduce the count below 50.

    Corrected records are reprocessed and inserted in the week's tape.

Retain the data file for each week until all records are pro-
cessed for the 13-week quarter before beginning quarterly edits
and weighting runs.

Run 6.   Creation of the Quarterly File. Merge data files for Weeks 01-
          13 by PSU X Week-Segment X Household Number X Person Number X
          Card Type X Record Serial Number.

Run 7.   Household, Person, and Doctor Visit Intra-record Edits.

Household

    1. Consistency between household serial number and special
        dwelling place codes.

    2. Code type of living quarters when blank based on special
        dwelling place codes.

    3. Range check of codes for place of residence.

    4. Coding farm residence from land usage.

    5. Deleting type B and C noninterviews from file.

    6. Range check on codes for date of completion; generate day
        of completion, i.e., Monday, Tuesday, etc.

    7. Generate numerical value for last Sunday night prior to
        date of interview.

    8. Generate number of families in household.

Person

    1. Range check on codes for race; entry of race from pre-
        ceding record if blank.

    2. Range check on codes for sex; entry of female if blank.

    3. Range check and consistency with age for marital status.

    4. Range check for each type of person-disability days;
        computation of number of restricted-activity days.

    5. Check for consistency of dental visits in two weeks and
        interval since last dental visit.

    6. Range check on interval since last dental visit.

    7. Check for consistency of dental visits in year with
        interval since last visit.

Run 7. Person - continued

8. Range check and recode of interval since last doctor visit.

9. Check for consistency between doctor visits in year and interval since last visit.

10. Range check and consistency of usual activity status with sex and age.

11. Range check of limitation of activity and duration of limitation.

12. Range check of limitation of mobility and duration of limitation.

13. Range check of respondent codes; recode age of respondent.

14. Range check on education of individual, check consistency with age; generate recodes.

15. Recode veteran status; identify persons not in labor force.

16. Recode current activity status for persons aged 17+ years.

17. Range check and recodes of Industry and Occupation.

18. Range check of class of worker.

19. Range check and recodes of family income.

20. Recode of public assistance for persons with family income under $5,000.

21. Range check of symptoms of arthritis.

22. Recode of family relationship.

23. Recodes of age.

Doctor Visit

1. Compute date of doctor visit numerical values 00-13 for past 2 weeks, 77, 88 for last week, weeks before, and assign unknown and not reported codes.

2. Recode day of week of visit from values 00-13.

3. Range check for place of visit.

4. Length of time to get to doctor: converting hours to minutes; check on valid codes.

Doctor Visit - continued

    5. Range check of codes for appointment for visit.

    6. Waiting time: conversion of hours to minutes; check on valid codes.

    7. Range check for type of doctor.

    8. Range check for reason for visit (type of service).

    9. Consistency between diagnosis and treatment and condition causing visit.

Run 8.   Editing and Recoding Medical Items in the Condition and Hospital Records.

    1. The medical coding is performed based on the International Classification of Diseases, Eighth Revision, Adapted for Use in the United States with modifications of the code structure described in the Health Interview Survey Medical Coding Manual.

    2. Prepare Diagnostic Recode #1 from the ICDA rubrics employing selected age/sex edits, and imputing the chronic/acute code when this item has been left blank.

    3. Prepare Diagnostic Recode #2 from Recode #1 for conditions coded acute.

    4. Prepare Diagnostic Recode #3 from Recode #1 for conditions coded chronic.

    5. Prepare Diagnostic Recode #4 from Recode #1 for the cause of hospital admission.

    6. Check operation code fields for blanks among fields 1-3. If blank in prior field move operation code from a latter field into blank field, e.g., operation 1 coded, operation 2 blank, operation 3 coded, move operation 3 into operation 2.

    7. Edit operation codes for consistency with age and sex. Change invalid codes to an acceptable code.

    8. Checking surgically treated code for deliveries in Recode #1 items 201-203; if not coded surgically treated, enter the code for operation for this diagnosis. Check consistency between Diagnostic Recodes for deliveries and appropriate operation codes.

    9. Consistency check between surgically treated and operation codes.

Run 9.   Condition and Hospital Intra-record Nonmedical Edits

1. Range check of condition serial numbers.

2. Range check of doctor ever seen, impute unknown or not reported as doctor seen.

3. Range check of condition days.

4. Reject minor-acute conditions not medically attended or activity restricting. This edit is in addition to the edit in the weekly Run 3.

5. Consistency check of chronic/acute code and cause of limitation; range check of cause of limitation.

6. Range check of onset and recode to one digit; imputation of unknown on basis of chronic/acute code.

7. Identifying current injuries and impairments due to injury; entry of code for doctor seen for traumatic amputation and enucleation of eye; for other impairments due to injury with onset in past 2 weeks, change onset to 2 weeks-3 months; range check of cause of injury; consistency check between codes for first injury and injury required hospitalization; consistency between code for adverse reaction and diagnostic recodes 276 and 277 (therapeutic misadventure); range check of codes for accident at work, where accident happened, cause of accident; consistency between accident at work during past 2 weeks and current activity; recode of class of accident.

8. Identifying chronic conditions carried past AA on condition page and consistency between code for doctor seen and appropriate questions past AA.

9. Range check for treatment of condition not seen by doctor (item 18).

10. Range check of codes for items 19-24, doctor seen.

11. Range check for bed days in past year.

12. Consistency between frequency of bother and how bothers (item 26 a, b); range check for codes for items 26 c, d.

Hospital

1. Computation of "J" value and recode for hospital episodes using date of admission, length of stay and date of last Sunday night.

2. Range check of type of service; recode of type of service.

3. Assign short-stay episode number.

4. Range check for type of ownership.

5. Range check of codes for first hospitalization for this condition, if blank, enter "No."

Run 10.   Inter-Record Edits and Record Arranger.

Inter-Record Edits

1. Consistency between Condition days of disability and person days of disability, by type of day: sum of condition days should be equal to or greater than person days; if sum of RA condition days is zero, RA person days should be zero also; if sum of RA condition days is not zero and person days are zero, replace person days with the days of each type in the condition record with the largest number of days; if RA condition and person days are not zero, and sum of condition days is not greater than or equal to person days, replace person days sum of condition days of each type.

2. Consistency between limitation of activity in person record and cause of limitation in condition records:

    a. Person has at least one chronic condition.

    b. Person has one chronic condition coded cause of limitation.

    c. Person has limitation of activity.

    If a and b but not c, change person record to limited in other activities.

    If a and c, change person to not limited.

    If a only, change duration of limitation to blank.

    If a is negative (no chronic conditions), change limitation of activity and mobility to "not applicable," and duration to blank.

Inter-Record Edits - continued

3. Persons with 1+ chronic conditions:

   a. Person has at least one chronic condition coded cause of limitation.

   b. Person has limitation of mobility.

   If a and not b, person record changed to show limitation 4: "has trouble getting around alone."

   If b and not a, person record changed to not limited. Duration of limitation on person record changed to agree with person limitation.

4. Consistency between interval since last doctor visit and doctor visit record.

   a. Interval coded visit in past two weeks.

   b. At least one doctor visit record.

   If a and not b, change interval to 2 weeks-6 months.

   If b and not a, change interval to visit in two weeks.

5. Transfer of condition data to Doctor Visit records for conditions causing visit for diagnosis and treatment.

   Data transferred:

       Diagnosis recode #1 rubric
       Chronic/acute code
       Either: Recode 2 for acute conditions
                Recode 3 for chronic conditions

6. Summarize on household record.

   a. Number of persons.

   b. Number of conditions.

   c. Number of hospital episodes.

   d. Number of doctor visits.

Inter-Record Edits - continued

   7. Summarize on person record.

     a. Total number of conditions for person.

     b. Total number of chronic conditions for person.

     c. Chronic conditions causing limitation of activity.

     d. Chronic conditions causing limitation of mobility.

     e. Hospital days in two weeks, excluding days in
        nursing homes and hospitals not in index.

     f. Days in 12 months in short-stay hospitals.

     g. Number of short-stay hospital episodes.

   8. Transfer size of family from household record to persons
      in each family.

   9. Rearrange records to final tape format and perform all
      record-to-record transfers.

Run 11.   Creation of Segment Control Tape File (RC File)

   1. Match R (library tape) with C (weekly segment control tape)
      to make composite record--RC tape. The R tape is a Master
      File used for the entire year which is supplied by the
      Bureau of the Census. The C tape is prepared from the
      weekly Segment Control Listings furnished by Census.

   2. Computation of the adjusted basic weight. The basic weight
      of 5400 is multiplied by Segment/Special household inflation
      factors.

   3. Selection and storage of appropriate first-stage ratios from
      the RC records.

Run 12.   First-Stage Ratio Adjustment.

   1. Adjustment for color-residence distribution from the 1960
      Decennial Census.

   2. Generate SMSA-NonSMSA residence recode.

   3. Generate Urban-Rural residence recode.

Run 13.   Sorting Run.

Run 14.   Adjustment for Nonresponse

    1. Segment and Tab Area nonresponse adjustment factors are
       computed and stored.

    2. Adjust weight in Person Records by nonresponse factors.

Run 15.   Second-Stage Ratio Adjustment

    1. Age-sex-color factors are computed and stored. Independent
       population estimates are furnished by the Bureau of the
       Census each quarter for 60 age-sex-color groups from which
       these factors are computed.

    2. The weight in the Person records is adjusted by these ASA
       factors.

    3. These final weights are transfered to all records associated
       with a person.

Run 16.   Creation of Final Tape Files by Record Type.

    1. Compute estimates of the raw data items to assist in table
       preparation. For example, multiply days of restricted
       activity by the 6.5 weight to give a total of restricted
       activity days for a person.

    2. Compute weights for a quarter, annual, biannual from the
       quarterly basic weight and from the 6.5 weight. The 6.5
       weight obtains estimates for a 13 quarter using 2-week
       period ($6.5 \times 2 = 13$ weeks).

DIAGNOSTIC RECODES

HEALTH INTERVIEW SURVEY

January 1969

Diagnostic Recode #1

Diseases, Injuries, and Impairments

I.   Purpose: Recode #1 is a list of 278 categories of diseases and injuries
     selected from the complete list of 3- and 4-digit categories of the International
     Classification of Diseases, Adapted for Use in the United States (ICDA),
     8th Revision, as modified for survey purposes. In addition, a complete
     list of types and sites of impairments of the Classification of Impairments
     (X-code) completes the recode. The recode has been used as a device
     to simplify tabulating of diagnostic information. In general, this recode
     contains the greatest amount of detail tabulated; very rarely are the 4-digit
     ICDA rubrics used for final tabulation purposes.

II. Content: Each line of the recode contains the following elements: recode
     number, title summarizing the contents, and the equivalent rubric numbers
     from the ICDA. The full detail of all modifications of the ICDA is shown
     in the Medical Coding Manual, Appendix III. A summary listing of modifications
     which directly affect the use of the recode is shown as follows:

          (a) The letter "S" following a rubric means that this is a special
               number devised for survey purposes which is not to be found
               in the ICDA.

          (b) Certain ICDA rubrics are recoded to other locations within
               the list of rubrics; these recoded ICDA rubrics are shown in
               parentheses in the recode listing.

          (c) ICDA rubrics for impairments and most of the late effects
               of diseases are not used in the survey medical coding and, therefore
               are not shown in Recode #1. Impairments and their causes,
               as reported by the household members, are coded directly to
               the X-codes according to a system that differs considerably
               from the ICDA method. A complete description of the Classification
               of Impairments (X-code) is given in the Medical Coding Manual.

          (d) The abbreviations "NOS," "NEC," and "Pt." represent, respectively,
               "not otherwise specified," "not elsewhere classified," and "part."

III. A log of changes in Recode #1 is attached. The log indicates the date
     of the change, the previous notation and the changed notation.

Log of Changes in Recode #1 for 1969 and Later

#1 Number	Date of Change	From	To

Recode Number	Title	ICDA Inclusions as modified by HIS
	Infective and Parasitic Diseases (Recodes 001-041)	
001	Tuberculosis (pulmonary) (respiratory NOS) (active)	011
002	Other specified respiratory tuberculosis (active)	010,012
003	Tuberculosis, other specified sites (active)	013-018
004	Tuberculosis (pulmonary) arrested or inactive	137-S
005	Syphilis and its sequelae	090-097
006	Other venereal diseases	098-099
007	Typhoid and paratyphoid fever	001,002
008	Dysentery and diarrheal disease, NEC	004,006,007,009
009	Food poisoning (infection)	005
010	Other intestinal infectious diseases, including virus enteritis	000,003,008
011	Scarlet fever	034.1
012	Streptococcal sore throat	034.0
013	Septicemia	038
014	Diphtheria	032
015	Whooping cough	033
016	Meningococcal infection	036
017	Tetanus	037
018	Other bacterial diseases, NEC	020-027,030,031, 035,039

Recode Number	Title	ICDA Inclusions as modified by HIS

Infective and Parasitic Diseases (Recodes 001-041

Recode Number	Title	ICDA Inclusions as modified by HIS
019	Vincent's angina	101
020	Other spirochetal disease except syphilis	100,102-104
021	Acute poliomyelitis	040-043
022	Viral encephalitis	062-065
023	Smallpox	050
024	Measles	055
025	Rubella (German measles)	056
026	Chickenpox	052
027	Herpes zoster (shingles)	053
028	Mumps	072
029	Infectious hepatitis	070
030	Infectious mononucleosis	075
031	Trachoma (active) (chronic)	076
032	Viral infection, unspecified	079.9
033	Other viral diseases, NEC	045,046,051,054, 057,060,061,066, 067,068,071,073, 074,078,079.0-079.8
034	Typhus and other rickettsioses	080-083
035	Malaria	084
036	Trichiniasis	124

Recode Number	Title	ICDA Inclusions as modified by HIS

Infective and Parasitic Diseases (Recodes 001-041)

Recode Number	Title	ICDA Inclusions as modified by HIS
037	Ancylostomiasis	126
038	Other helminthiases	120-123,125,127-129
039	Dermatophytosis and dermatomycosis	110,111
040	Other mycoses	112-117
041	Other infective and parasitic diseases	085-089,130-136

Neoplasms (Recodes 042-080)

Recode Number	Title	ICDA Inclusions as modified by HIS
042	Malignant neoplasm of buccal cavity and pharynx	140-149
043	Malignant neoplasm of stomach	151
044	Malignant neoplasm of intestines, any part	152-154
045	Malignant neoplasm of other digestive organs, and peritoneum	150,155-159
046	Malignant neoplasm of trachea, bronchus, and lung	162
047	Malignant neoplasm of other respiratory organs	160,161,163
048	Malignant neoplasm of female breast	174, female only
049	Malignant neoplasm of uterus, any part	180-182
050	Malignant neoplasm of other female genital organs	183,184
051	Malignant neoplasm of prostate	185

Recode Number	Title	ICDA Inclusions as modified by HIS
	Neoplasms (Recodes 042-080)	
052	Malignant neoplasm of other male genital organs	186,187
053	Malignant neoplasm of urinary organs	188,189
054	Malignant neoplasm of skin	172,173
055	Malignant neoplasm of other specified sites	174,male,170, 171,190-194
056	Malignant neoplasm, site unspecified, ill-defined, or secondary	195-199
057	Hodgkin's disease	201
058	Leukemia and aleukemia	204-207
059	Other neoplasms, lymphatic and hematopoietic tissue	200,202,203,208, 209
060	Benign neoplasm of digestive system	210,211
061	Benign neoplasm of respiratory system	212
062	Benign neoplasm of female breast	217, female only
063	Benign neoplasm of uterus	218,219
064	Benign neoplasm of other female genital organs	220,221
065	Benign neoplasm of male genital organs	222
066	Benign neoplasm of urinary organs	223
067	Not used, see Recode 208	
068	Benign neoplasm of skin	216
069	Hemangioma and lymphangioma	227
070	Benign neoplasm of other specified organs	217, males, 213- 215,224-226

Recode Number	Title	ICDA Inclusions as modified by HIS
	Neoplasms (Recodes 042-080)	
071	Benign neoplasm, other and unspecified organs and tissue	228
072	Neoplasm, unspecified nature, of digestive organs	230
073	Neoplasm, unspecified nature, of respiratory organs	231
074	Neoplasm, unspecified nature, of female breast	233, female only
075	Neoplasm, unspecified nature, of uterus	234
076	Neoplasm, unspecified nature, of other female genital organs	235,236
077	Neoplasm, unspecified nature, of other genitourinary organs	237
078	Neoplasm, unspecified nature, of eye, brain, and other parts of nervous system	238
079	Neoplasm, unspecified nature, of skin and musculoskeletal system	232
080	Neoplasm, unspecified nature, of other and unspecified organs	233, male, 239
	Endocrine, Nutritional, Metabolic and Blood Disorders (Recodes 087-101)	
081	Not used--see Recode 157	
082	Not used--see Recode 153	
083,084	Not used	
085	Not used--see Recodes 157, 209, 210, 211	
086	Not used	

Recode Number	Title	ICDA Inclusions as modified by HIS

Endocrine, Nutritional, Metabolic and Blood Disorders
(Recodes 087-101)

Recode Number	Title	ICDA Inclusions as modified by HIS
087	Goiter (all forms)	240,241,242.0, 242.1
088	Thyroid trouble, NOS	246.0-S
089	Other specified diseases of thyroid gland	242.2,243-245, 246.1-S
090	Diabetes (mellitus)	250
091	Diseases of other endocrine glands	251-258
092	Niacin deficiency	262
093	Other vitamin deficiency states	260,261,263-264, 265.0,265.2,265.9, 266
094	Other nutritional deficiency, NEC	267-269 (788.4)
095	Gout	274
096	Other metabolic diseases, NEC	270-273,275-279
097	Pernicious and other deficiency anemias	281
098	Iron deficiency anemias	280
099	Other specified anemias	282-284,285.0, 285.8
100	Anemia, unspecified	285.9
101	Other diseases of blood and blood-forming organs	286-289

Recode Number	Title	ICDA Inclusions as modified by HIS
	Mental and Nervous System Disorders (Recodes 102-116)	
102	Psychoses	290-299
103	Neuroses	300
104	Alcoholism, except psychotic	303
105	Personality and other nonpsychotic mental disorders, NEC	301,302,304,305.0, 305.3,305.5,305.6, 308,309
106	Nervousness, depression, NOS, and special symptoms, NEC	319-S,306,307, (780.6,781.5, 785.6,786.2, 790.0,790.2)
107	Not used--see Recode 134	
108	Multiple sclerosis	340
109	Paralysis agitans, except postencephalitic, viral	342
110	Epilepsy, all types; chronic convulsions, cause unknown	345 (780.2 pt.)
111	Migraine	346
112	Other diseases of central nervous system	320-323,330-333, 341,347,348,349.0, 349.5,349.6,349.9, (781.7)
113	Sciatica	353
114	Neuralgia and neuritis, NOS, NEC	355.9
115	Neuralgia, neuritis, specified sites and types, NEC	350-352,354,355.0, 355.1
116	Other specified diseases of nerves, NEC	356-358 (781.4)

Recode Number	Title	ICDA Inclusions as modified by HIS
	Diseases of Eye and Ear (Recodes 117-125)	
117	Conjunctivitis and ophthalmia	360
118	Stye	362
119	Other inflammatory diseases of eye	361,363-369
120	Refractive errors	370
121	Cataract, all forms	374 (744.3)
122	Glaucoma, all forms	375 (744.2)
123	Other diseases of eye (acquired) (congenital)	371-373,376-378, (781.0-781.2, 744.0,744.1,744.4-744.9)
124	Inflammatory diseases of ear	380-384
125	Other diseases of ear and mastoid process (acquired) (congenital)	385-387 (745.0-745.3,781.3)
	Diseases of Circulatory System (Recodes (126-143)	
126	Rheumatic fever, inactive (old) (history)	399-S
127	Rheumatic fever, active	390-392
128	Chronic rheumatic heart disease	393-398
129	Ischemic heart disease (with hypertension, any type) (with arteriosclerosis)	412-414,(410, 411)
130	Heart trouble, NOS, or ill-defined	429 (782.4)
131	Other forms of heart disease, NEC	420-428 (782.1, 782.2)
132	Hypertensive heart disease, NEC (non-malignant)	402,404

Recode Number	Title	ICDA Inclusions as modified by HIS
	Diseases of the Circulatory System	
133	Hypertensive disease, NEC	400,401,403
134	Cerebrovascular disease (with non-malignant hypertension) (with arteriosclerosis)	430-435,438, (436,437)
135	Arteriosclerosis, NEC	440
136	Other diseases of arteries	441-447
137	Varicose veins, NEC	454,456
138	Hemorrhoids	455
139	Phlebitis and thrombophlebitis, NEC	451
140	Low blood pressure (hypotension)	458.0
141	"Poor circulation," NOS	458.3-S
142	Noninfective disease of lymphatic channels	457
143	Other diseases of circulatory system, NEC	448,450,452,453, 458.1,458.9
	Diseases of Respiratory System (Recodes 144-159)	
144	Common cold	460
145	Other acute upper respiratory infections	461-465
146	Acute bronchitis	466
147	Influenza with digestive manifestations	473
148	Other forms of influenza	470-472,474
149	Viral pneumonia	480
150	Other forms of pneumonia	481-486
151	Chronic bronchitis (nonallergic)	490,491

Health Interview Survey
Diagnostic Recode #1

Recode Number	Title	ICDA Inclusions as modified by HIS
	Diseases of Respiratory System (Recodes 144-159)	
152	Emphysema	492
153	Asthma (with or without hay fever) (allergic)	493
154	Hypertrophy of tonsils and adenoids, chronic	500
155	Chronic pharyngitis, nasopharyngitis, and laryngitis, NEC	502,506
156	Chronic sinusitis, NEC	503
157	Hay fever, and upper respiratory allergy, without asthma	507
158	Other diseases of upper respiratory tract, nonallergic	501,504,505,508
159	Other diseases of respiratory system, NEC	510-519
	Diseases of Digestive System (Recodes 160-180)	
160	Toothache	525.8-S
161	Other diseases of teeth and supporting structures, NEC	520.3,520.4,520.6, 520.7,520.9,521.0-521.5,521.7-521.9, 522,523,525.0, 525.1,525.9
162	Diseases of jaw, salivary glands, tongue, and other oral conditions	526-529
163	Ulcer of stomach and duodenum	531-534
164	Gastritis and duodenitis, nonviral	535
165	Functional and symptomatic upper g.i. conditions, NEC	536(784.0,784.1, 784.3,784.7, 785.4 pt.)

Recode Number	Title	ICDA Inclusions as modified by HIS
	Diseases of Digestive System (Recodes 160-180)	
166	Stomach trouble, NOS	537.1-S
167	Appendicitis, all forms	540-543
168	Hernia of abdominal cavity	550-553
169	Gastroenteritis and colitis, except ulcerative, of nonifectious origin	561
170	Chronic enteritis and ulcerative colitis	563
171	Diverticula of intestine	562
172	Constipation	564.0
173	Other functional disorders of intestines	564.1,564.9, (785.4 pt.)
174	Intestinal or bowel trouble, NOS	569.5-S
175	Hepatitis, NOS	573.0
176	Liver trouble, NOS	573.1-S
177	Other specified diseases of liver, NEC	570-572,573.9
178	Specified diseases of gallbladder and biliary ducts	574,575,576.0, 576.1,576.9
179	Gallbladder trouble, NOS	576.2-S
180	Other diseases of the digestive system, NEC	530,537.0,537.9, 560,565-568,569.0-569.4,569.9,577, (784.2,784.4)

Recode Number	Title	ICDA Inclusions as modified by HIS
	Genito-urinary Disorders, Pregnancy and Childbirth Recodes 181-205)	
181	Nephritis (acute) (chronic), NEC	580-584
182	Calculus of kidney and ureter	592
183	Calculus of other parts of urinary system	594
184	Kidney trouble or disease, NOS	593.6-S
185	Other diseases of kidney and ureter, NEC	590,591,593.0-593.5
186	Diseases of the urinary system, NEC	595-599
187	Diseases of the prostate	600-602
188	Other diseases of male genital organs	603-607
189	Diseases of male breast	610,611(male only)
190	Diseases of female breast	610,611 (female only)
191	Diseases of ovary, fallopian tube, parametrium, and pelvic peritoneum, female	612-616
192	Diseases of uterus, NEC	620-625
193	Disorders of menstruation	626
194	Menopausal symptoms, except psychosis	627
195	Other diseases of female genital organs, NEC	628,629.0-629.9
196	Female trouble, NOS	629.Y-S
197	Minor complaints of pregnancy	634.Y-S
198	Other complications of pregnancy, NEC	630-633,634.0-634.9

Recode Number	Title	ICDA Inclusions as modified by HIS
	Genito-urinary Disorders, Pregnancy and Childbirth Recodes 181-205)	
199	Urinary infections and toxemias of pregnancy and the puerperium, NEC	635-639
200	Abortion	640-645
201	Delivery, normal or unspecified	650
202	Delivery by cesarean section, complication not specified	661.4-S
203	Delivery with specified complications	651-660,661.0-661.3,661.8,661.9
204	Minor complaints during the puerperium	677.8-S
205	Other complications of the puerperium, NEC	670-676,677.1, 677.2,677.9,678
	Diseases of the Skin and Subcutaneous Tissue (Recodes 206-211)	
206	Boil and carbuncle, NEC	680
207	Cellulitis (with lymphangitis), NEC	681,682
208	Pilonidal cyst	685
209	Eczema and dermatitis due to plants (allergic)	692.6
210	Other dermatitis, eczema, and urticaria (allergic)	690,691,692.0-692.5,692.7-692.9,693,(708)
211	Other diseases of skin and subcutaneous tissue, NEC	683,684,686,694-698,700,701,0-701.3,701.9, 701.4-S,702-707, 709.1,709.9, (709.0 pt.)

Recode Number	Title	ICDA Inclusions as modified by HIS

Diseases of Musculoskeletal System and Connective Tissue
(Recodes 212-219)

Recode Number	Title	ICDA Inclusions as modified by HIS
212	Arthritis, NEC	710-714,715.0-S, 715.1-S,715.2-S
213	Rheumatism, nonarticular and unspecified	716,717.0,717.1, 717.9,718
214	Displacement of intervertebral disc	725
215	Acute back, spine, and neck pain, NEC	728.0-728.2,728.5, 728.7,728.9
216	Other diseases of bone and joint, NEC	720-723,728.3, 728.4,728.6,728.8, 729
217	Bunion	730
218	Synovitis, bursitis, and tenosynovitis	731
219	Other diseases of musculoskeletal system, NEC	732,733.0,733.2 733.3,733.6,733.9, 734

Certain Congenital Anomalies and Causes of Perinatal Morbidity
(Recodes 220-222)

Recode Number	Title	ICDA Inclusions as modified by HIS
220	Certain congenital anomalies, not classified as impairments	743.2-743.4,743.8, 743.9,745.4,746, 747,748.0-748.4, 748.6-748.9,750.1-750.9,751,752, 753.1-753.9,756.5-756.9,757,758.0-758.8,759.0-759.2, 759.4-759.8
221	Immaturity, unqualified	777
222	Certain other causes of perinatal morbidity	760-768,769.0-769.4,769.9,770-772,774-776,778

Recode Number	Title	ICDA Inclusions as modified by HIS

Certain Symptoms and Ill-defined Conditions (Recodes 223-240)

Recode Number	Title	ICDA Inclusions as modified by HIS
223	Debility and undue fatigue	790.1
224	Headache, NEC	791
225	Senility without mention of psychosis	794
226	Certain nervous system symptoms	780.0,780.1,780.2 pt.,780.3-780.5, 780.7,780.8,781.6, 781.8
227	Heart pain, cyanosis, fainting, shock, edema, enlarged lymph gland or spleen	782.0,782.3,782.5-782.9
228	Certain respiratory symptoms	783
229	Hiccough and hematemesis	784.6,784.5
230	Enlarged liver	785.1
231	Jaundice (not of newborn)	785.2
232	Certain other abdominal and lower g.i. symptoms	785.0,785.3,785.5, 785.7,785.8
233	Certain genitourinary symptoms; abnormal urinary constituents	786.0,786.1,786.3-786.7,789
234	Acute symptoms referable to limbs and joints	787.0-787.6,787.7-S
235	Other general symptoms (rash, fever, etc.), NEC	788.0-788.3,788.5-788.9
236	Uremia (cause unknown)	792
237	Observation	793
238	Ill-defined NEC, and unknown types of illness	796.0,796.1,796.9
239	Gland trouble, NOS	797-S

Recode Number	Title	ICDA Inclusions as modified by HIS
	Certain Symptoms and Ill-defined Conditions (Recodes 223-240)	
240	"Knots," "lumps," "bumps," cause and type unknown	798-S
	Injuries (Recodes 241-278)*	
241	Fracture, skull (vault) (base)	800,801,803
242	Fracture of rib(s), sternum, and larynx	807
243	Fracture of arm	812,813,818
244	Fracture of wrist, hand, and/or fingers	814-817
245	Fracture of femur (hip) (upper leg)	820,821
246	Fracture of lower leg not involving knee, ankle or foot	823,827
247	Fracture of ankle	824
248	Fracture of foot and toes	825,826
249	Fracture of other and multiple sites, NEC	802,804-806,808-811,819,822,828,829
250	Fracture, 3 months+, no residual specified	800.9-829.9 (by site)
251	Dislocation of wrist	833
252	Dislocation of ankle	837

*Recodes 272,273,276,277 include both acute and chronic exposure.
Recodes 250,259,269,271,278 refer only to injuries 3 months+, with
no residual specified. All other recodes in the series 241-278 refer
to acute injuries only (past 3 months).

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Recode Number	Title	ICDA Inclusions as modified by HIS
	Injuries (Recodes 241-278)*	
253	Dislocation of other and multiple sites	830-832,834-836, 838,839
254	Sprains, strains, of wrist and hand	842
255	Sprains, strains, of ankle and foot	845
256	Sprains, strains, of back	846,847
257	Sprains, strains, of other and multiple sites, NEC	840,841,843,844 848
258	Intracranial injury, without skull fracture	850-854
259	Intracranial injury, without skull fracture, 3 months+, no residual specified	850.9-854.9
260	Internal injury, any, of chest, abdomen, and pelvis	860-869
261	Laceration and open wound of head, neck and trunk	870,872-879
262	Laceration and open would of upper limb	880-884
263	Laceration and open wound of lower limb	890-894
264	Laceration and open wound of multiple location	900-907
265	Superficial injury	910-918

*Recodes 272,273,276,277 include both acute and chronic exposure.
Recodes 250,259,269,271,278 refer only to injuries 3 months+, with
no residual specified. All other recodes in the series 241-278 refer
to acute injuries only (past 3 months)

Health Interview Survey
Diagnostic Recode #1

Recode Number	Title	ICDA Inclusions as modified by HIS
	Injuries (Recodes 241-278)*	
266	Contusion	920-929
267	Foreign body entering through orifice	930-939
268	Burns	940-949
269	Burns, 3 months+, no residual specified	940.9-949.9 (by site)
270	Injury to nerves and spinal cord	950-959
271	Injury to nerves and spinal cord, 3 months+, no residual specified	950.9-959.9(by site)
272	Adverse effect of medicinal agents (acute)(chronic), NEC	960-979
273	Toxic effect of substances chiefly nonmedicinal as to source (acute) (chronic)	980-989
274	Effects of radiation, reduced temperature, heat and other external causes	990-994
275	Injury, other and unspecified	996
276	Complications of surgical procedures (acute)(chronic)	997,998
277	Other complications of medical care (acute)(chronic)	999
278	Injuries, 3 months+, NEC, no residual specified	4th digit .9 added to: 860-870,872-884, 890-894,900-907, 910-918,920-929 930-939,996
279	**Errors, residual**	

*Recodes 272,273,276,277 include both acute and chronic exposure. Recodes 250, 259,269,271,278 refer only to injuries 3 months+, with no residual specified. All other recodes in the series 241-278 refer to acute injuries only (past 3 months).

X-Code
Number   Title

All impairments (X00-X99). For additional 1-digit codes expressing
etiology of impairments, see Appendix I, Medical Coding Manual.

Impairment of Vision (X00-X05)

X00   Visual impairment: Inability to read ordinary newspaper
print with glasses, and impairment indicating no useful vision
in either eye

X01   Blind in one eye, other eye defective, but not blind

X02   Blind in one eye, other eye good or not mentioned

X03   Visual impairment in both eyes

X05   Impaired vision except as in X00-X03

Impairment of Hearing (X06-X09)

X06   Deafness, total, both ears including deaf-mutism
Includes persons, with or without speech, who are completely
deaf.

X07   Hearing loss not codeable to X06 involving both ears

X08   All hearing impairments involving only one ear

X09   Hearing loss, complete or partial, for which it is impossible
to determine whether one or both ears are involved

Impairment of Speech, Special Sense, Intelligence (X10-X19)

X10   Stammering, stuttering

X11   Other speech defect except deaf-mutism and cleft palate speech

X12   Loss or impairment of sense of smell or taste

X13   Loss or disturbance of sensation, NEC

X14   Special learning disability (reading) (mixed dominance)

X15   Mental deficiency, in mongolism

X-Code Number	Title

<u>Impairment of Speech, Special Sense, Intelligence (X10-X19)</u>

X16	Mental deficiency, severe or profound, except in mongolism (I.Q. under 36)
X17	Mental deficiency, moderate (I.Q. 36-51)
X18	Mental deficiency, mild or borderline (I.Q. 52-85)
X19	Mental deficiency, degree not specified

<u>Absence, Loss, Extremities and Certain Other Sites (X20-X34, X36-X39)</u>

X20	Absence, loss, arm, NOS, NEC
X21	Absence, loss, arm, below and above wrist
X22	Absence, loss, arms, <u>both</u>
X23	Absence, loss, hand, except fingers or thumbs only
X24	Absence, loss, hands, <u>both</u> except fingers or thumbs only
X25	Absence, loss, fingers and/or thumbs, only <u>one or both hands</u>
X26	Absence, loss, leg, NOS, NEC
X27	Absence, loss, leg, below knee and above ankle
X28	Absence, loss, legs <u>both</u>
X29	Absence, loss, foot, except toe(s) only
X30	Absence, loss, feet, <u>both</u>
X31	Absence, loss, toe(s) only <u>one or both feet</u>
X32	Absence, loss, one upper (arm or hand) with one lower (leg or foot), except digits only
X33	Absence, loss, three or more members (arm, hand, leg, foot) except digits only
X34	Absence, loss, fingers and/or thumbs, and toe(s)
X35	Not used

X-Code
Number   Title

Absence, Loss, Extremities and Certain Other Sites (X20-X34, X36-X39)

X36   Absence, lung

_X37   Absence, kidney

X38   Absence, breast

X39   Absence of rib or other bone, joints, muscles without loss
           of extremity

Paralysis, Complete or Partial, all Sites Except as in X00-X19 (X40-X69)

Paralysis, Complete or Unspecified of:

X40   Upper extremity, <u>one</u>, except fingers only

X41   Upper extremities, <u>both</u>

X42   Finger(s) only

X43   Lower extremity, one, any part except toes only

X44   Lower extremities, both (paraplegia)

X45   Toes only

X46   Lower extremities both, with bladder or anal sphincter
           involvement (paraplegia)

X47   One side of body, one upper and one lower, same side
           (hemiplegia)

X48   Three or more major members; quadriplegia

X49   Other sites of extremities or trunk, site unspecified

X-Code Number	Title

Cerebral Palsy, Paralysis, Partial, of Extremities and Trunk

X50	Cerebral palsy
X51	Partial paralysis, arms or fingers
X52	Partial paralysis, (leg(s) any part(s))
X53	Partial paralysis, one side of body (hemiparesis)
X54	Partial paralysis, other sites of extremities or trunk
X59	Partial paralysis, palsy, paresis, site unspecified

Paralysis, Complete or Partial, Sites Except Extremities or Trunk

X60	Paralysis, complete or partial, face
X61	Paralysis, complete or partial, bladder or anal sphincter, extremities not mentioned
X69	Paralysis, complete or partial, sites not of extremities, trunk, nor affecting special senses or speech

Orthopedic Impairment NEC, (X70-X79) including old (3 months+) dislocations and sprains, with no residual specified involving:

X70	Back, spine, vertebrae, - (low) (lumbosacral) (sacroiliac)
X71	Cervical or thoracic region of back, spine, vertebrae
X72	Coccygeal region, spine, vertebrae
X73	Shoulder, upper arm, forearm above wrist; arm, NOS
X74	Wrist, hand, finger, thumb
X75	Hip and/or pelvis (with any other site in X70-X79)
X76	Knee, leg, NOS
X77	Ankle, foot, toe

Health Interview Survey
Diagnostic Recode #1

X-Code Number	Title

Orthopedic Impairment NEC, (X70-X79) including old (3 months+) dislocations and sprains, with no residual specified involving:

X78   Multiple sites except as in X70-X77, not involving hip (back and legs) (fingers and toes) (legs and arms) (back and arms)

X79   Other and ill-defined sites (rib) ("sides") (limping, NOS)

Specified Deformity, Limbs, Trunk, Back (X80-X89)

X80   Curvature of spine

X81   Spina bifida (with meningocele)

X82   Flatfoot; weak arches

X83   Clubfoot

X84   Deformity, other and multiple, lower extremity, NEC

X85   Dislocation, congenital, and other deformity, hip and/or pelvis

X86   Deformity, neck or shoulder region

X87   Deformity, finger(s), thumb(s), only

X88   Deformity, upper extremity, except as in X86, X87

X89   Deformity, back spine, trunk, NEC (ill-defined) (rib) (chest)

Defect, Abnormality, Impairment, NEC (X90-X99)

X90   Disfigurement, scarring, face, nose, lips, ears

X91   Cleft palate and harelip (with speech defect)

X92   Other dentofacial handicap

X93   Deformity of skull

X94   Dwarfism

X95   Gigantism

X-Code Number	Title

Defect, Abnormality, Impairment, NEC (X90-X99)

X-Code Number	Title
X96	Obesity, 3 months+, cause unknown
X97	Underweight, 3 months+, cause unknown
X98	Artificial orifice or valve, any site
X99	Impairment, ill-defined site or type

January 13, 1969

Health Interview Survey

Diagnostic Recode #2

Acute Conditions

I. Purpose: Recode #2 consists of 33 4-digit categories of frequently reported acute conditions. These acute condition categories have been selected from the more extensive diagnostic listing in Diagnostic Recode #1 following the definition of acute condition shown below. Categories shown in this recode are used for summary tabulation and publication.

II. Arrangement of the Recode: The first two digits of the recode are to be used for subtotals for use in the annual Acute Conditions report. The first digit will be used to separate the data into the five major condition groups, and the second digit into subcategories of these five. The third and fourth digits are the basic units of the recode.

III. Definition of Acute Condition: For the purposes of the Health Interview Survey an acute condition is any disease or injury with onset in the 3-month reference period prior to the week of interview, exclusive of certain conditions always classed as chronic regardless of date of onset. The incidence of acute conditions is limited to acute conditions with onset in the 2-week reference period prior to the interview week. Acute conditions also include current deliveries, normal or complicated, and current complications of pregnancy and the puerperium. Acute conditions must have had either activity restriction or medical attention in order to be included in the survey statistics.

Acute conditions, as defined, are given a supplementary 1-digit code number identifying them as acute, and are sorted for tabulation under Recode #2 categories on this basis. Also, the incidence of acute conditions is tabulated under Recodes #1 and #2 only for those conditions with onset in the 2-week period prior to interview.

IV. Content: Each line of the recode contains the following elements: Recode #2 number, title summarizing the contents of the category, Recode #1 inclusions, and rubric numbers from the International Classification of Diseases (ICDA), 8th Revision.

A summary listing of modifications which affect the use of the recode is shown as follows:

(a) The letter "S" following an ICDA rubric means that this is a special number devised for survey purposes which is not to be found in the ICDA.

Diagnostic Recode #2

Acute Conditions

(b) Certain ICDA rubrics are recoded to other locations within
the list of rubrics; these recoded ICDA rubrics are shown in
parenthesis in the recode listing.

(c) Abbreviations "NOS," "NEC," "Pt.," represent respectively,
"not otherwise specified," "not elsewhere classified," and "part."

V. A log of changes in Recode #2 is attached. Refer to Recode #1 for details
of changes in that listing.

Log of Changes in Recode #2

Recode #2 Number	Date of Change	From	To

Health Interview Survey
Diagnostic Recode #2

Acute Conditions

Recode #2 Number	Title	Recode #1 Inclusions	ICDA Inclusions as modified by HIS
1001	Measles	024	055
1002	Rubella	025	056
1003	Whooping cough, chickenpox, mumps	015,026,028	033,052,072
1004	Viral infection, unspecified	032	079.9
1005	Dysentery and diarrheal disease, NEC	008	004,006,007,009
1006	Other acute infective and parasitic diseases	006,007,009-014,016-023, 027,029-031, 033-041	000-003,005,008, 020-032,034-043, 045-051,053,054, 057-065,067-071, 073-076,078-079.8, 080-089,098.0,098.2-098.9,099-136
2107	Common cold	144	460
2108	Other acute upper respiratory conditions	145,158	461-465,501,508
2209	Influenza with digestive manifestations	147	473
2210	Other forms of influenza	148	470-472,474
2311	Pneumonia, NEC	149,150	480-486
2312	Acute bronchitis	146	466
2313	Other acute respiratory conditions	159,228	510-516,519,783
3414	Acute dental conditions	160,161	520.6-521.5, 521.7-523.9,525
3415	Functional and symptomatic upper gastrointestinal conditions, NEC	165	536,(784.0,784.1, 784.3,784.7, 785.4 pt.)

Recode #2 Number	Title	Recode #1 Inclusions	ICDA Inclusions as modified by HIS
3416	Other acute digestive system disorders	162,164,166, 167,169,172- 180,229-232	526-530,535,537, 540-543,560,561, 564-577(784.2, 784.4)784.5,784.6, 785.0-785.3,785.5, 785.7,785.8(785.4 pt.)
4517	Fractures and dislocations, acute	241-249,251- 253	800-839
4518	Sprains and strains, acute	254-257	840-848
4619	Open wounds and lacerations, acute	261-264	870,872-884,890- 894,900-907
4720	Contusions and superficial injuries, acute	265,266	910-929
4821	Complications of medical and surgical procedures, acute	276,277	997-999
4822	Other injuries, acute	258,260,267, 268,270,272- 275	850-869,930-994, 996
5923	Acute diseases of eye	117-119,123	360-369,372,373, 377,378(744.0, 744.1,744.4- 744.9,781.0- 781.2)
5924	Acute diseases of ear	124,125	380-387(745.0- 745.3,781.3)
5925	Headache, under 3 months (excludes tension headache coded to 306.8 in Recode 5933)	224	791
5926	Acute genitourinary disorders	181,184,185, 186,188-196 233	580,581,583,590,591, 593,595-599,603- 629,786.0,786.1, 786.3-786.7,789
5927	Deliveries, normal or compli- cated	201-203	650-661

Health Interview Survey
Diagnostic Recode #2

Recode #2 Number	Title	Recode #1 Inclusions	ICDA Inclusions as modified by HIS
5928	Abortions, and complications of pregnancy and the puerperium	197-200,204, 205	630-645,670-678
5929	Acute nonallergic diseases of the skin	206,207,209- 211	680-684,686-707, 709(708)
5930	Lumbago, fibrositis, myositis	213	717.0,717.1,717.9
5931	Other acute musculoskeletal disorders	214-219,234	720-723,725,728- 733,787
5932	Acute circulatory condition	136,139-143, 227	441-453,457,458 782.0,782.3, 782.5-782.9
5933	Other acute conditions	091-094,096- 101,106,111- 116,221-223, 226,235-240	All other ICDA code numbers which may be acute conditions
6934	Errors--Residual		

<u>Health Interview Survey</u>

January 13, 1969

<u>Diagnostic Recode #3</u>
<u>Chronic Conditions and Impairments</u>

I. <u>Purpose</u>: Recode #3 consists of 53 2-digit categories of chronic conditions and impairments. These categories have been selected from the more extensive diagnostic listing in Diagnostic Recode #1 following definitions shown below. Categories shown in this recode are used for summary tabulation and publication purposes.

II. <u>Definition of Chronic Condition and Impairment</u>: For the purposes of the Health Interview Survey a chronic condition and an impairment are any departures from normal health with onset more than 3 months from date of interview, except certain complications of pregnancy. Also included are certain conditions listed on the check lists of chronic conditions and impairments which are classed as chronic regardless of the date of onset. All chronic conditions are counted in the survey whether or not they have necessitated activity restriction or medical care. All impairments coded with "X" in the first digit are, by definition, chronic.

Chronic condtions and impairments, as defined, are given a supplementary 1-digit code number identifying them as chronic and are sorted for tabulation under Recode #3 categories on this basis.

III. <u>Content</u>: Each line of the recode contains the following elements: Recode #3 number, title summarizing the contents of the category, Recode #1 inclusions, and rubric numbers from the International Classification of Diseases (ICDA). Since the impairment categories are coded according to the Classification of Impairments (X-code) instead of the ICD method, no corresponding ICD rubric numbers are shown in the last column for these categories. See Appendix I of the Medical Coding Manual for a listing of the X-codes.

A summary listing of modifications which affect the use of the recode is shown as follows:

(a) The letter "S" following an ICDA rubric number means that this is a special number devised for survey purposes which is not to be found in the ICDA.

(b) Certain ICDA rubrics are recoded to other locations within the list of rubrics; these recoded ICDA rubrics are shown in parentheses in the recode listing.

(c) Abbreviations "NOS," "NEC," and "Pt." represent respectively, "not otherwise specified," "not elsewhere classified," and "part."

IV. A log of changes in Recode #3 is attached. Refer to Recode #1 for details of changes in that listing.

Log of Changes in Recode #3

Recode #3 Number	Date of Change	From	To

Health Interview Survey
Diagnostic Recode #3

January 13, 1969

Chronic Diseases and Impairments

Recode #3 Number	Title	Recode #1 Inclusions	ICDA Inclusions as modified by HIS
01	Tuberculosis, active	001-003	010-018
02	Tuberculosis, arrested or in-active	004	137-S
03	Other chronic infective and parasitic diseases	005-041	000-009,020-043, 045-076,078-136
04	Malignant neoplasms	042-059	140-209
05	Benign and unspecified neoplasms	060-080	210-239
06	Disease of the thyroid gland	087-089	240-246
07	Diabetes (mellitus)	090	250
08	Anemias, 3 months+	097-100	280-285
09	Other diseases of blood and blood forming organs, 3 months+	101	286-289
10	Headache and migraine, chronic (excludes tension headache coded to 306.8 in Recode 12)	111,224	346,791
11	Specified mental disorders, NEC	102-105	290-304,305.0, 305.3,305.5, 305.6,308,309
12	Nervousness, depression, NEC and special symptoms, NEC, 3 months+	106	306,307,319-S, (780.6,781.5, 785.6,786.2, 790.0,790.2)
13	Rheumatic fever, inactive	126	399-S

NOTE: For prevalence of heart disease, use Recodes 14-16

14	Rheumatic fever, active	127	390-392
15	Rheumatic heart disease	128	393-398

Recode #3 Number	Title	Recode #1 Inclusions	ICDA Inclusions as modified by HIS
16	Other diseases of heart, NEC	129-132	402,404,412-429, (410,411,782.1, 782.2,782.4)
17	Cerebrovascular disease	134	430-435,438,(436, 437)
18	Hypertensive disease, NEC	133	400,401,403
19	Varicose veins	137	454,456
20	Hemorrhoids	138	455
21	Arteriosclerosis and other chronic disease of the circulatory system	135,136,139-143,227	440-453,457,458, 782.0,782.3, 782.5-782.9
22	Chronic bronchitis	151	490,491
23	Emphysema	152	492
24	Asthma (with or without hay fever)	153	493
25	Hay fever, without asthma	157	507
26	Chronic sinusitis	156	503
27	Other chronic disease of the respiratory system	147-150,154 155,158,159, 228	470-486,500-502, 504-506,508-519, 783
28	Ulcer of stomach or duodenum	163	531-534
29	Hernia of abdominal cavity	168	550-553
30	Diseases of the gallbladder, chronic	178,179	574-576

Recode #3 Number	Title	Recode #1 Inclusions	ICDA Inclusions as modified by HIS
31	Other chronic diseases of the digestive system	160-162,164-167,169-177, 180,229-232	520.3,520.4, 520.6-521.5 521.7-523,525-530,535-543,560-573,577(784.0-784.4,784.7, 785.4),784.5, 784.6,785.0-785.3,785.5, 785.7,785.8
32	Disorders of menstruation	193	626
33	Menopausal symptoms, except psychosis	194	627
34	Chronic diseases of kidney and ureter	181,182,184, 185	581-584,590-593
35	Other chronic diseases of urinary	183,186,233	594-599,786.0, 786.1,786.3-786.7,789 if 3 months+
36	Chronic diseases of genital organs, NEC	187-192,195 196	600-602,610,613, 603-607,611,614-625,628,629 if 3 months+
37	Chronic and allergic skin diseases	206-211	680-707,709.1 709.9,(708, 709.0)
38	Arthritis and chronic rheumatism	212,213	710-716,717.0 717.1,717.9,718
39	Other chronic musculoskeletal disorders	214-219	720,733.0, 733.2,733.3, 733.6,733.9, 721-723,725,728-732,734 if three months+
40	Fractures, 3 months+ no residual specified	250	800.9-829.9

Health Interview Survey
Diagnostic Recode #3

Recode #3 Number	Title	Recode #1 Inclusions	ICDA Inclusions as modified by HIS
41	Blindness	X00	
42	Other visual impairments	X01-X05	
43	Hearing impairments	X06-X09	
44	Speech defects	X10,X11	
45	Paralysis	X40-X69	
46	Absence, fingers, toes, only	X25,X31,X34	
47	Absence, major extremities	X20-X24,X26-X30,X32,X33	
48	Impairments (except paralysi and absence), back or spine	X70-X72,X80,X81	
49	Impairments (except paralysis and absence), upper extremities and shoulders	X73,X74,X86-X88	
50	Impairments (except paralysis and absence), lower extremities and hips with any other site	X75-X77,X82-X85	
51	Impairments (except paralysis and absence), multiple, NEC, and ill-defined, limbs, back, trunk	X78,X79,X89	
52	Other impairments	X12-X19,X36-X39,X90-X99	
53	Other chronic conditions, except impairments (gout), (multiple sclerosis), (paralysis agitans), (epilepsy), (refractive errors), (cataract), (glaucoma), (congenital malformations not in X-code), (senility), (etc.)	91-96,108-110,112-125 220-223,225, 226,235-240, 259,269,271, 278,272,273, 276,277	All other ICDA code numbers which may be chronic conditions
54	Errors, residual		

Health Interview Survey

January 13, 1969

Diagnostic Recode #4
Hospital Diagnosis

I.   Purpose: Recode #4 is a list of 38 categories of diseases, injuries, and impairments selected from Recode #1. It is designed for use in tabulating the diagnosis reported for each hospitalization.

II. Contents: Each line of the recode contains the following elements: recode number, title summarizing the contents, Recode #1 inclusions, rubric numbers from the ICDA. The full detail of all modifications of ICDA is shown in Appendix III of the Medical Coding Manual. A summary listing of modifications which directly affect the use of the recode is shown as follows:

(a) The letter "S" following a rubric means that this is a special number devised for survey purposes which is not to be found in the ICDA.

(b) Certain ICDA rubrics are recoded to other locations within the list of rubrics; these recoded ICDA rubrics are shown in parentheses in the recode listing.

(c) ICDA rubrics for impairments and most of the late effects of diseases are not used in the survey medical coding and, therefore are not shown in Recode #1. Impairments and their causes, as reported by the household members, are coded directly to the X-codes according to a system that differs considerably from the ICDA method. A complete listing of the Classification of Impairments (X-code) is given in the Appendix I of the Medical Coding Manual.

(d) The abbreviations "NOS" and "NEC" represent, respectively, "not otherwise specified" and "not elsewhere classfied."

Health Interview Survey
Diagnostic Recode #4

Recode #4 Number	Title	Recode #1 Inclusions	ICDA Inclusions as modified by HIS Number
01	Tuberculosis (active) (inactive), all sites	001-004	010-018,137-S
02	Other infective and parasitic diseases	005-041	000-009,020-043, 045-076,078-136
03	Malignant neoplasms	042-059	140-209
04	Benign and unspecified neoplasms	060-080	210-239
05	Diabetes (mellitus)	090	250
06	Other endocrine, nutritional, metabolic disorders	087-089,091-096	240-246,251-264, 265.0,265.2, 265.9,266-279
07	Mental and personality disorders, and deficiencies	102-106,X14-X19	290-304,305.0, 305.3,305.5, 305.6,306-309, 319-S,780.6, 781.5,785.6, 786.2,790.0,790.2
08	Cerebrovascular disease	134	430-438
09	Diseases of the eye and visual impairments	117-123,X00-X05	360-378,744, 781.0-781.2
10	Other diseases of nervous system and sense organs, except paralysis	108-116,124, 125,226,X06-X13	320-323,330-342, 345-348,349.0, 349.5-349.9,350-358,380-387, 745.0-745.3, 781.3,781.4,781.7
11	Diseases of the heart, NEC	127-132	390-398,402,404, 410-429,782.1, 782.2,782.4
12	Hypertensive disease, NEC	133	400,401,403
13	Arteriosclerosis, NEC	135	440

Recode #4 Number	Title	Recode #1 Inclusions	ICDA Inclusions as modified by HIS
14	Varicose veins	137	454,456
15	Hemorrhoids	138	455
16	Other diseases of circulatory system, NEC	126,136,139-143,227	399-S,441-453, 457,458,782.0, 782.3,782.5-782.9
17	Upper respiratory conditions	144,145,154-158	460-465,500-508
18	Other respiratory system conditions	146-153,159, 228,X36	466-493,510-519, 783
19	Ulcer of stomach or duodenum	163	531-534
20	Appendicitis, all forms	167	540-543
21	Hernia of abdominal cavity	168	550-553
22	Diseases of the gallbladder	178,179	574-576
23	Other digestive system conditions	160-162,164-166,169-177; 180,229-232	520.3,520.4,520.6-520.9,521.0-521.5, 521.7-521.9,522, 523,525-530,535-537,560-573,577, 784,785.0-785.5, 785.7,785.8
24	Male genital disorders	187,188	600-607
25	Female genital disorders	190-196	610-629
26	Other genitourinary system conditions	181-186,189, 233,X37,X38	580-599,610, 611(male);786.0, 786.1,786.3-786.7, 789
27	Delivery, normal or unspecified	201	650
28	Delivery with complications	202,203	651-661
29	Complications of pregnancy and the puerperium	197-200,204, 205	630-645;670-678

Health Interview Survey
Diagnostic Recode #4

Recode #4 Number	Title	Recode #1 Inclusions	ICDA Inclusions as modified by HIS
30	Diseases of the skin and cellular tissue, NEC	206-211	680-709
31	Arthritis	212	710-715
32	Conditions of bones and joints, NEC	214-216,250, X70-X79	720-723,725,728, 729,800.9-829.9
33	Other conditions of the musculoskeletal system, NEC	213,217-219, 234,X20-X34, X80-X89	716-718,730-734, 787
34	Fractures and dislocations, current	241-249,251-253	800-839
35	Other current injuries	254-258,260-268,270,272-277	840-854,860-949, 950-999
36	Paralysis, all sites	X40-X69	
37	Observation only	237	793
38	Other conditions and impairments, NEC	097-101,220-225,235,236, 238-240,259, 269,271,278, X39,X90-X99	All other ICDA code numbers used for admission to hospital

NATIONAL CENTER FOR HEALTH STATISTICS

DIVISION OF HEALTH INTERVIEW STATISTICS

The accompanying charts are designed to show procedures for deriving
estimates from Health Interview Survey data tapes. The publication
"Current Estimates" for the year 1977 is used as a source for the examples.

Each of the detailed tables from "Current Estimates" is listed in the
first column of Chart 1. The column next to that, Tab. Spec. #, shows
the number of the tabulation specification from which these data are
drawn and the next column shows which columns on the tabulation specification
contain that particular data set. For example, Table 1 in "Current
Estimates," "Incidence of Acute Conditions, Percent Distribution, etc."
is derived from tabulation specification C1, Column 1.

Note that not all the columns in the tabulation specifications contain
data that were used in this publication, and that tabulation specifications
are not included in this package for all the detailed tables.

CHART 1
TABULATING DATA FOR CURRENT ESTIMATES TABLES

Table	Tab Spec.#	Col. #	Item	Tape Location	Code
			Annual Estimates		
			Incidence of Acute Conditions:		
1	C1	1	Use: Condition records	14	3
			Acute	103	2
2	C1	1	Onset in 2 weeks	104	1 or
			Weight (2-week reference) inflated by 6.5 to obtain a quarterly estimate. Annual estimate is the sum of 4 quarterly estimates	Binary 217-220	
			Quarterly estimates:		
			Use Processing quarter codes.	19	1,2,3 4
			Condition disability days for acute conditions:		
3,5	C1	8	Use: Condition records	14	3
			Acute	103	2
4,6	C1	9	Weight: Restricted activity	Binary 225-228	
			Bed disability	233-236	
7	C1	10	School loss:		
			Persons 6-16 years of age	122	2
8	C1	11	and weight	or 75	0
				Binary 241-244	
			Work loss days	75	1-
3			Currently employed and weight	Binary 241-244	
			Limitation of activity status:		
9	B1	1-5	Use: Person records	14	2
			Total population: All person records with activity limitation	98	1-
3			With limitation in major activity	98	1,2
			With no activity limitation	98	4
			Weight:		
			Annual	209-212 Binary	

CHART 1
TABULATING DATA FOR CURRENT ESTIMATES TABLES

able	Tab Spec.#	Col. #	Item	Tape Location	Code
			Persons Injured		
.0	A1	1	Use: Condition records	14	3
			First injury, for person in this accident	161	1or 2
			Onset in 2 weeks	104	1 or :
			Weight (2-week reference)	Binary 217-220	
			Condition disability days for persons injured		
11	A1	8	(includes days for current injuries as well as days for impairments due to injury)		
12	A1	9	Use: Condition records	14	3
			First injury	161	1
			Weight: Restricted activity days	Binary 225-228	
			Bed disability days	233-236	
13	H1	3-4	**Discharges from short-stay hospitals, hospital days and average length of stay** (based on discharges in most recent 6 months, this estimate is doubled to represent the year prior to the interview)		
			Use: Hospital records	14	4
			Short-stay hospitals	102	1
			Weight: Discharges	Binary 205-208	
			Days	253-256	
			Persons with short-stay hospital episodes		
14			Use: Person records	14	2
			Persons with episodes	129-130	
			Weight: Persons with episodes	Binary 209-212	

CHART 1
TABULATING DATA FOR CURRENT ESTIMATES TABLES

Table	Tab. Spec.#	Col. #	Item	Tape Location	Code
			Days in hospital for persons with episodes		
15			Use: Person records	14	2
			Weight: Days for episodes	Binary 305-308	
			Person-disability days		
16			Use: Person records	14	2
			Weight: Restricted activity days	Binary 225-228	
			Bed disability days	233-236	
			Work loss days for currently employed persons		1-3
				75	
			Days	Binary 241-244	
			School-loss days for children 6-16 years of age		
17			Use: Person records	14	2
			6-16 years	122 or	2
				75	0
			Days	Binary 241-244	
			Dental Visits		
18	P5	1	Use: Person records	14	2
			Dental visits (2-week reference period)	Binary 257-260	
			Weight		
			Interval since last dental visit		
19	P4	1-8	Use: Person records	14	2
			Intervals	128	0-8
			Weight:	Binary 209-212	
			Physician Visits		
20	DV1	1	Use: Doctor Visit records	14	5
			Visits occurring in 2-week reference period	105	1 or
			Weight:	217-220	

CHART 1
TABULATING DATA FOR CURRENT ESTIMATES TABLES

Table	Tab. Spec.#	Col. #	Item	Tape Location	Code
			Interval since last physician visit		
21	P3	1-8	Use: Person records	14	2
			Intervals	127	0-9
			Weight:	Binary 209-212	
			Population by sex and age		
25	B1	1	Use: Person records	14	2
			Sex	52	1 or
			Age	58 (or other grouping) 209-212	1-9
			Quarterly Estimates		
			Incidence of acute conditions		
22			Use: Condition records	14	3
			Acute	103	2
			Onset in 2 weeks	104	1 or
			Weight	Binary 217-220	
			Persons injured		
23			Use: Condition records	14	3
			First injury for person in this accident	161	1
			Onset in 2 weeks	104	1 or
			Weight	Binary 217-220	
			Person-disability days		
24			Use: Person records	14	2
			Weight: Restricted activity days	Binary 225-228	
			Bed disability days	233-236	
			Work loss days:		
			Currently employed	75	1-3
			Days	Binary 241-244	

A-1

Number of characters per column	9	9		9		9		9	9		9	10	10	10
COMPUTER LOCATION		135	118-119	135	118-119	135	118-119	120-121	75	123-124	162			75
CODE NUMBERS		1	00	1	01-14	2	01-14	01-14	0-3	01-14	1			0-3
	Persons Injured	Medically attended only		With Restricted Activity Physician seen		With Restricted Activity Physician not seen		With bed days	With time lost from work or school		With hospital stay	Disability Days Restricted activity days	Disability Days Bed days	Disability Days Work or school loss days
	PI (1)	MA (2)		RA PS (3)		RA PNS (4)		BD (5)	TL (6)		HS (7)	RA (8)	BD (9)	TL (10)

Both sexes (52)
  All classes (169-171)
    All ages (57-58: 01-09)
      0-5   01
      6-16   02
      17-24   03
      25-44   04,05
      45-64   06,07
      65+   08,09
      Under 17 01,02
      17+   03-09
      17-44   03-05
Moving motor vehicle (169:1)
Moving motor vehicle traffic (169-171 112,122)
Work (170:1)
Home (171:1)
Other (169:2,4,5,6; 322 in 169-171)
111
112

  (each class)

600
  ditto age

(continued)

Male (1)
Female (2)
  ditto class and age

General Inclusion: Condition records 14:3 and 161:1

1. Inclusions: Cols. 1-7;104: 1 or 2

2. Weight:

	Quarterly	Annual Consolidation
Cols. 1-7	217-220	217-220
Col. 8	225-228	225-228
Col. 9	233-236	233-236
Col. 10	241-244	241-244

B-1

Population and number of persons with limitation of activity by selected characteristics

Number of characters per column	9	9	9	9	9	
COMPUTER LOCATION		98 (LA)				
CODE NUMBERS		1	2	3	4	
	Population	LA1	LA2	LA3	Not Limited	
	POP (1)	LA1 (2)	LA2 (3)	LA3 (4)	LA4 (5)	

Both sexes (52)

All ages (57-58: 01-09)	Northeast (29:1)		Under 6 (74:0)	1. General inclusion: Person records 14:2
Under 6	01	North Central (2)	Working (1)	2. Weight: Quarterly Annual Consolidation
6-16	02	South (3)	Keeping house (2)	201-204 209-212
17-24	03	West (4)	Retired, Health (3)	
25-44	04,05		School (4)	
45-64	06,07	Under $3,000 (70:1)	Something else (5)	
65+	08,09	$3,000-4,999 (2)	Unknown (6)	
Under 17	01,02	$5,000-6,999 (3)	Retired, other (7)	
17-64	03-07	$7,000-9,999 (4)	Male (1)	
25-34	04	$10,000-14,999 (5)	Female (2)	
35-44	05	$15,000-24,999 (6)	ditto characteristics	
65-74	08	$25,000+ (7)		
75+	09	Unknown (8)		

SMSA (36:1)
Non-SMSA-non-farm (2)
Non-SMSA-farm (3)

C-1

	All acute conditions	Medically attended only	Activity Restricting Physician seen	Physician not seen	With bed days	With time lost from work or school	Among currently employed	Disability Days Restricted act. days	Bed days	School loss days	Work loss days
Number of characters per column	9	9	9	9	9	9	9	10	10	10	10
COMPUTER LOCATION		135 118-119	135 118-119	135 118-119	120-121	75 123-124	75			75	75
CODE NUMBERS		1 00	1 01-14	2 01-14	01-14	0-3 01-14	1-3			0	1-3
	TOT (1)	MA (2)	RA PS (3)	RA PNS (4)	BD (5)	TL (6)	CB (7)	RA (8)	BD (9)	SL (10)	WL (11)

Both sexes (52)
  All conditions (112-115)
   All ages (55-56: 01-09)
   0-4   55-56: 01
   5-14   "   02
   15-24   "   03
   25-44   "   04,05
   45-64   06,07
   65+   08,09
   0-5   57-58: 01
   6-16   "   02
   17-24   "   03

Infective and parasitic
Respiratory
 Upper respiratory
 Influenza
 Other respiratory
Digestive
Injuries
Other
Each Recode #2 category
01
02
.
.
.

33
   ditto age
Male (1)
Female (2)
   ditto condition and age

112	113
1	-
2	-
2	1
2	2
2	3
3	-
4	-
5	-

(114-115)

General inclusion: Condition records 14:3 and 103:2

1. Inclusions: Cols. 1-7: 104: 1 or 2

2. Weight:

	Quarterly	Annual Consolidation
Cols. 1-7:	217-220	217-220
Col. 8	225-228	225-228
Col. 9	233-236	233-236
Cols. 10, 11	241-244	241-244

DV-1

Two-week Doctor Visits, with correct data in two weeks and remainder, by place of visit and type of service, sex, and age

Number of characters per column	10	10	10	10	10	
COMPUTER LOCATION	102-103| 100-101	102-103: 14 and	105:1,2,4;108 (place)			
CODE NUMBERS	00-13 or 66,77,88	100-101: #77,88,66	1	4(2,3,5-8)		
	Doctor visits values 00-13 or 66,77,88	Doctor visit value 14 except 66,77,88	Office	Home	Other	
	DV GOOD (1)	DV BAD (2)	OFF (3)	H (4)	OT (5)	

Both sexes (52)
  All ages (57-58: 01-09)
  Under 6 (01)
  6-16 (02)
  17-24 (03)
  25-44 (04,05)
  45-64 (06,07)
  65+ (08,09)

    Under 17 (01,02)
    17-44 (03-05)
    25-34 (04)
    35-44 (05)
    45-54 (06)
    55-64 (07)
    65-74 (08)
    75+ (09)

Male (1)
Female (2)
  ditto age

1. General inclusion: Doctor Visit Records 14:5, and 105:1,24 for Cols. 1, 3-5. Cols. 3-5 are restricted to those included in Col. 1.

2. Weight:

   Quarterly: 217-220
   Annual 217-220

SHORT-STAY HOSPITALS: Discharges and days by recall period, other short-stay statistics by sex and age

Number of characters per column	9	9	9	9	9	9	9	9	
COMPUTER LOCATION	153	153	153	153	145	153			
CODE NUMBERS	1,2,3	1,2,3	1,2	1,2	1,2	0			
	Year Recall		6 Months Recall				Days for Episode		
	Discharges	Days for discharges	Discharges	Days for discharges	Admissions in year	Still in hospital	1 year	2 weeks	
	VIS-12 (1)	DAYS (2)	DIS-6 (3)	DAYS (4)	AIM (5)	STILL (6)	DAY-12 (7)	DAY-2 (8)	

Both sexes (52)
  All ages (55-56: 01-09)
   0-4   01
   5-14   02
   15-24   03
   25-34   04
   35-44   05
   45-54   06
   55-64   07
   65-74   08
   75+   09
    0-5 57-58: 01
    6-16   02
    17-24   03
    25-64   04-07
    65+   08,09
Male (1)
Female (2)
  ditto age

1. General inclusion: Hospital records 14:4 and 102:1

2. Weight

	Quarterly	Annual Consolidation
Col. 1	201-204	209-212
Col. 2	249-252	257-260
Col. 3	2 times 201-204	205-208
Col. 4	2 times 249-252	253-256
Col. 5	201-204	209-212
Col. 6	201-204	209-212
Col. 7	233-236	241-244
Col. 8	225-228	225-228

P-3

Interval since last doctor visit, by sex and selected characteristics

Number of characters per column	9	9	9	9	9	9	9	9	
COMPUTER LOCATION		127 (Interval since last doctor visit)							
CODE NUMBERS		1,3	4	5	6	7	9	0	
	Population	Within 6 months	6 months-11 months	1 year	2-4 years	5+ years	Unknown	Never	
	POP (1)	-6M (2)	6-11M (3)	1Y (4)	2-4Y (5)	5+Y (6)	DK (7)	NEV (8)	

Both sexes (52
  All ages (57-58: 01-09)
  Under 6   01
  6-16   02
  17-24   03
  25-44   04,05
  45-64   06,07
  65+   08,09
    Under 17   01,02
    17-64   03-07
  25-34   04
  35-44   05
  65-74   08
  75+   09

SMSA (36: 1)
NonSMSA-nonfarm (2)
NonSMSA-farm   (3)

Northeast (29: 1)
North Central (2)
South (3)
West (4)

(continued)
Under $3,000 (70: 1)
$3,000-4,999 (2)
$5,000-6,999 (3)
$7,000-9,999 (4)
$10,000-14,999 (5)
$15,000-24,999 (6)
$25,000+   (7)
Unknown   (8)

Under 6 (74: 0)
Working   (1)
Keeping house (2)
Retired-Health (3)
School (4)
Something else (5)
Unknown (6)
Retired, other (7)
Male (1)
Female (2)
      ditto characteristics

1. General Inclusion: Person records 14:2

2. Weight: Quarterly   Annual Consolidation
           201-204   209-212

Interval since last dental visit by sex and selected characteristics

Number of characters per column	9	9	9	9	9	9	9	9	
COMPUTER LOCATION		128 (interval since dental visit)							
CODE NUMBERS		1,2	3	4	5	6	8	0	
	Population	Within 6 months	6 months-11 months	1 Year	2-4 Years	5+ Years	Unknown	Never	
	POP (1)	-6M (2)	6-11M (3)	1Y (4)	2-4Y (5)	5+Y (7)	UK (8)	NEV (9)	

Both sexes (52)
  All ages (57-58:   01-09
  Under 6   01
  6-16   02
  17-24   03
  25-44   04,05
  45-64   06,07
  65+   08,09
    Under 17   01,02
    17-64   03-07
    25-34   04
    35-44   05
    65-74   08
    75+   09

SMSA (36: 1)
NonSMSA-nonfarm (2)
NonSMSA-farm (3)

Northeast (29:1)
North Central (2)
South (3)
West (4)

(continued)
Under $3,000 (70: 1)
$3,000-4,999 (2)
$5,000-6,999 (3)
$7,000-9,999 (4)
$10,000-14,999 (5)
$15,000-24,999 (6)
$25,000+   (7)
Unknown   (8)
Under 6 (74: 0)
Working (1)
Keeping house (2)
Retired-Health (3)
School   (4)
Something else (5)
Unknown (6)
Retired, other (7)
Male (1)
Female (2)
         ditto characteristics

1. General Inclusion: Person Records 14:2

2. Weight   Quarterly   Annual Consolidation
                      201-204   209-212

P-5

Volume of dental visits by sex and selected characteristics

Number of characters per column	10	
COMPUTER LOCATION		
CODE NUMBERS	.	
	Visits based on 2 weeks recall	

VIS-2
(1)

Both sexes (52)
  All ages (57-58: 01-09)
  Under 6   01
  6-16   02
  17-24   03
  25-44   04,05
  45-64   06,07
  65+   08,09
    Under 17   01,02
    17-64   03-07
    25-34   04
    35-44   05
    65-74   08
    75+   09

SMSA (36: 1)
NonSMSA-nonfarm (2)
NonSMSA-farm (3)

Northeast (29: 1)
North Central (2)
South (3)
West (4)

(continued)
Under $3,000 (70: 1)
$3,000-4,999 (2)
$5,000-6,999 (3)
$7,000-9,999 (4)
$10,000-14,999 (5)
$15,000-24,999 (6)
$25,000+ (7)
Unknown (8)

Under 6 (74: 0)
Working (1)
Keeping house (2)
Retired-Health (3)
School (4)
Something else (5)
Unknown (6)
Retired, other (7)
Male (1)
Female (2)
    ditto characteristics

1. General inclusion: Persons Records 14:2

2. | Weight | Quarterly | Annual Consolidation |
|---|---|---|
| Col. 1 | 257-260 | 257-260 |
| Col. 2 | 265-268 | 273-276 |

HEALTH INTERVIEW SURVEY - 1977

TABULATION SPECIFICATIONS AND WEIGHTING

INTRODUCTION

The tabulation specifications which were used to tabulate data for the "Current Estimates" report are attached. A brief description of the key points of each tabulation used to prepare each table is shown on the attached chart.

The weighting procedure used requires some explanation. If the table to be prepared has used only one quarter of data (for instance, the second quarter of data collected during April-June, as evidenced by the Code 2 in the processing quarter field 19) the appropriate weights are shown under the quarterly column of the tabulation specification, e.g., C-1, and if the entire tape for the year is run, use the weights in the Annual column.

The weight for an event occurring or not occurring (binomial 0 or 1) uses the basic weights for the person. Similarly, if the event has occurred and when it occurs it can have a frequency of 1, 2, 3, etc.; the weight shown includes the cross product of the person's weight times the frequency. For instance, suppose a person is injured and requires 5 days in bed, thus the weight shown in the appropriate table is the person's weight times 5.

In most instances in the Health Interview Survey there are three reference periods used to make estimates: the 2-week reference period, 6 months, and 12 months. In producing estimates two weights are presented in the tape records; the Basic Weight and the 6.5 Weight.

The 6.5 Weight is a modification of the Basic Weight obtained by multiplying the Basic Weight by 6.5. The figure 6.5 indicates that 2 weeks multiplied by 6.5 represents 13 weeks or one calendar quarter. Summing over 4 calendar quarters equals 52 weeks. The Basic Weight for a quarter is 4 times the size of the Annual Weight.

To illustrate the use of reference periods, suppose we have a person whose weight is 6,000 in the tape for the quarter. This person's annual weight is 6000/4 = 1500. His 6.5 weight is obtained by multiplying 6000 x 6.5 to obtain the 6.5 weight of 39,000. Therefore, if this person had 2 doctor visits occurring in the 2-week reference period, his contribution to the annual volume of doctor visits would have been 39,000 x 2 or 78,000. If he had been discharged from a hospital once during the 6 months prior to interview, his contribution to the annual volume of hospital discharges would be 1500 x 2 or 3000 for the full year's sample, or 6000 x 2 or 12,000 for a sample of one quarter. If the reference period was 12 months, the weight for the year's sample is 1500 (or 6000 for the quarterly sample).

The weights in the original tapes were presented in binary format.
In the tape release package, all binary weights have been converted
to character format. However, the previous binary weight tape locations
are also shown in the tape format since much of the tape documentation
is based on the HIS working tape files which uses the binary weights.

The weights are presented in character format in the tape in locations
201-254. Locations from 254 onward contain cross products of variables
with frequency greater than one. For instance, the number of restricted
activity days in the Person record locations 106-107 may be, say, 5
days. As a convenience in tabulation, these 5 days have been multiplied
times the appropriate weight (the 6.5 weight in Locations 237-245)
to obtain the weighted estimate of restricted activity days in Locations
255-263.