

June 23, 2008

National Health Interview Survey (NHIS): fiscal years 1963-4

Diagnostic Recode #1  
Diseases, Injuries, and Impairments

Purpose: Recode #1 is a list of 280 categories of diseases and injuries selected from the tabular list of inclusion and 4-digit subcategories of the International Classification of Diseases (ICD), 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 ICD rubrics used for tabulation purposes.

Content: Each line of the recode contains the following elements: Recode #1 number, title summarizing the contents of the category, and rubric numbers from the International Classification of Diseases (ICD). The full detail of all modifications of the ICD 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 an ICD rubric number means that this is a special number devised for survey purposes which is not to be found in the ICD.
- (b) Certain ICD rubrics are recoded to other locations within the list of rubrics; these recoded ICD rubrics are shown in parentheses in the recode listing.
- (c) A 4th digit "9" of any ICD rubric has been changed to "X" to avoid confusion with the use of ".9" as a 4th-digit denoting traumatic origin of a chronic condition.
- (d) ICD 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 ICD method. A complete description of the Classification of Impairments (X-Code) is given in Appendix I of the Medical Coding Manual.

Note: The ICD 4th digits for malignant neoplasms in ICD 140-199 (refer to Recodes 042-056) are not used for the NHIS.

National Health Interview Survey  
Diagnostic Recode #1

Recode #1	Title	ICD Inclusions as modified by NHIS
001	Tuberculosis, pulmonary or unspecified	002, (008)
002	Other respiratory tuberculosis	001, 003-007
003	Tuberculosis, other specified sites	010-012, 014-019
004	Tuberculosis (pulmonary) arrested or inactive	009-S
005	Syphilis and its sequelae	020-029
006	Other venereal diseases	030-034, 036-039
007	Typhoid and paratyphoid fever	040, 041
008	Dysentery, all forms, NEC	045-048
009	Food poisoning (infection)	049
010	Other infectious diseases, intestinal tract, NEC	042-044
011	Scarlet fever	050
012	Streptococcal sore throat	051
013	Bacterial septicemia and toxemia	053, 054
014	Diphtheria	055
015	Whooping cough	056
016	Meningococcal infections	057
017	Tetanus	061
018	Other bacterial diseases, NEC	052, 058-060, 062-064
019	Vincent's infection	070
020	Other spirochetal diseases except syphilis	071-074
021	Acute poliomyelitis	080
022	Acute infectious encephalitis	082
023	Smallpox	084
024	Measles	085
025	Rubella (german measles)	086
026	Chickenpox	087
027	Herpes zoster (shingles)	088
028	Mumps	089
029	Hepatitis (infectious)	092
030	Infectious mononucleosis (glandular fever)	093
031	Trachoma	095
032	"Virus", (infection) ill-defined or NOS	097-S
033	Other diseases due to viruses, NEC	090, 091, 094, 096
034	Typhus and other rickettsial diseases	100-108
035	Malaria all forms	110-117
036	Trichiniasis	128
037	Hookworm (ankylostomiasis)	129
038	Tapeworm NEC, and worms (intestinal) NOS, NEC	126, 130
039	Dermatophytosis (athlete's foot)	131

040	Other fungus infections	132-134
041	Other infective and parasitic diseases	083.0, 120-125, 127, 135-138
042	Malignant neoplasm of buccal cavity and pharynx	140-148
043	Malignant neoplasm of stomach	151
044	Malignant neoplasm of intestines, any part	152-154
045	Malignant neoplasm of other digestive organs	150, 155-159
046	Malignant neoplasm, lung, bronchus, trachea (primary)	162, 163
047	Malignant neoplasm of other respiratory organs, NEC	160, 161, 164, 165
048	Malignant neoplasm of female breast	170, females only
049	Malignant neoplasm of uterus, any part	171-174
050	Malignant neoplasm of other female genital organs	175, 176
051	Malignant neoplasm of prostate	177
052	Malignant neoplasm of other male genital organs	178, 179
053	Malignant neoplasm of urinary organs	180, 181
054	Malignant neoplasm of skin, NEC	190, 191
055	Malignant neoplasm of other specified sites	170, males; 192-198
056	Malignant neoplasm, site unspecified or ill-defined	199
057	Hodgkin's disease	201
058	Leukemia and aleukemia	204
059	Other neoplasms, lymphatic and hematopoietic tissues	200, 202, 203, 205
060	Benign neoplasm of digestive system, NEC	210, 211
061	Benign neoplasm of respiratory system, NEC	212
062	Benign neoplasm of female breast, NEC	213, females only
063	Benign neoplasm of uterus, NEC	214, 215
064	Benign neoplasm of other female genital organs, NEC	216, 217
065	Benign neoplasm of male genital organs, NEC	218
066	Benign neoplasm of urinary organs	219
067	Pilonidal cyst	221
068	Benign neoplasm of skin, NEC	220, 222
069	Hemangioma and lymphangioma, NEC	228
070	Benign neoplasm of other specified organs, NEC	213, males; 223-227
071	Benign neoplasm, site unspecified or ill-defined, NEC	229
072	Unspecified neoplasm of digestive system	230
073	Unspecified neoplasm of respiratory system	231
074	Unspecified neoplasm of female breast	232, females only
075	Unspecified neoplasm of uterus	233
076	Unspecified neoplasm of other female genital organs	234, 235
077	Unspecified neoplasm of other genitourinary organs	236
078	Unspecified neoplasm, brain and other parts of nervous system	237
079	Unspecified neoplasm of skin and musculoskeletal system	238
080	Unspecified neoplasm of other and unspecified organs	232, males; 239

081	Hay fever, without asthma	240
082	Asthma (with or without hay fever) (bronchial) (NOS)	241
083	Urticaria (not used)	243 (not used)
084	Allergic eczema (not used)	244 (not used)
085	Other allergic disorders, NEC	245 (242-244 not used)
086	Multiple allergies (not used)	246-S (not used)
087	Goitre, all forms	250-252
088	Thyroid trouble, NOS	254.0-S
089	Other specified diseases of thyroid gland	253, 254.1-S
090	Diabetes (mellitus)	260
091	Diseases of other endocrine glands	270-277
092	Pellagra	281
093	Beriberi, scurvy, rickets, and osteomalacia	280, 282, 283, 285
094	Other avitaminoses and nutritional deficiency states	286
095	Gout	288
096	Other metabolic diseases	289
097	Pernicious and other hyperchromic anemias	290
098	Iron deficiency anemias	291
099	Other specified types of anemia	292
100	Anemias of unspecified type	293
101	Other diseases of blood and blood-forming organs	294-299
102	Psychoses, NEC	083.2, 300-309
103	Psychoneuroses, NEC	310-316, 317.1-317.3, 318 exc. 318.3
104	Alcoholism, NEC	322
105	Other specified mental disorders, NEC	083.1, 320, 321, 323, 324
106	Ill-defined mental and nervous trouble, NEC	327-S (318.3, 326.3, 326.4, 790.0, 790.2)
107	Vascular lesions of the central nervous system	330-334
108	Multiple sclerosis	345
109	Paralysis agitans, except postencephalitic	350
110	Epilepsy, all types; chronic convulsions, cause unknown	353, (780.3)
111	Migraine	354
112	Other diseases of the central nervous system	340-343, 355-357 (781.8)
113	Sciatica (hip and lower extremities)	363
114	Neuralgia and neuritis, NOS, NEC	366
115	Neuralgia, neuritis, specified sites and types, NEC	360-362, 364, 365
116	Other specified diseases of nerves, NEC	367-369
117	Conjunctivitis and ophthalmia	370
118	Stye	372
119	Other inflammatory diseases of eye	371, 373-379

120	Refractive errors	380
121	Cataract, all forms	385, (753.0)
122	Glaucoma, all forms	387
123	Other diseases of eye	381-384, 386, 388 (781.0, 781.1, 781.2)
124	Inflammatory diseases of ear	390-394
125	Other diseases of ear and mastoid process	395, 396 (781.3)
126	Rheumatic fever, active	400-402
127	Rheumatic fever, inactive (old) (history)	403-S
128	Chronic rheumatic heart disease	410-416
129	Arteriosclerotic heart disease, including coronary disease	420
130	Heart murmur (functional), cause unspecified	435-S
131	Heart trouble, NOS, or ill-defined	434.4 (782.4)
132	Other specified diseases of heart, NEC	421, 422, 430-433, 434.0-434.3 (782.1, 782.2)
133	Hypertensive heart disease, NEC	440-443
134	Other hypertensive disease, NEC	444-447
135	General arteriosclerosis, NEC	450
136	Other diseases of arteries	451-456
137	Varicose veins	460-462
138	Hemorrhoids	461
139	Phlebitis and thrombophlebitis	463, 464
140	Low blood pressure	467.0
141	Hemorrhage, site unspecified	467.3-S
142	"Poor circulation"	467.4-S
143	Certain diseases of lymph nodes and lymph channels (chronic)	468
144	Other diseases of circulatory system, NEC	465, 466, 467.1, 467.2
145	Common cold	470
146	Other acute upper respiratory infections	471-475
147	Influenza with digestive manifestations	482
148	Other forms of influenza	480, 481, 483
149	Primary atypical pneumonia	492
150	Other forms of pneumonia, NEC	493, (490, 491 not used)
151	Chronic bronchitis	502
152	Acute or unspecified bronchitis	500, 501
153	Hypertrophy of tonsils and adenoids, chronic	510.0
154	Chronic pharyngitis, nasopharyngitis, and laryngitis	512, 516
155	Chronic sinusitis	513
156	Other diseases of upper respiratory tract	511, 514, 515, 517
157	Pleurisy	519
158	Bronchiectasis	526

159	Other diseases of the respiratory system, NEC	518, 520-525, 527
160	Toothache	534
161	Other diseases of teeth and supporting structures, NEC	530-532, 533.1-533.4, 533.6, 535
162	Diseases of buccal cavity and esophagus, NEC	536-539 (784.4)
163	Ulcer of stomach and duodenum	540-542
164	Gastritis and duodenitis	543
165	Functional and symptomatic upper GI disorders, NEC	544, (784.0-784.3, 784.5, 784.6, 784.8)
166	Appendicitis, all forms	550-553
167	Hernia (abdominal cavity)	560, 561
168	Gastro-enteritis, acute, NEC	571, (785.6)
169	Chronic enteritis and ulcerative colitis	572
170	Constipation	573.0
171	Other functional disorders of intestines	573.1-573.3 (785.4)
172	Intestinal or bowel trouble, NOS	578.0-S
173	Liver trouble, NOS	583.0-S
174	Other specified diseases of liver, NEC	580-582, 583.1-S
175	Specified diseases of gallbladder	584, 585, 586.1-S
176	Gallbladder trouble, NOS	586.0-S
177	Stomach trouble, NOS	545.0-S
178	Other diseases of the digestive system, NEC	545.1-S, 570, 574-577, 578.1-S, 578.2-S, 587
179	Nephritis (acute) (chronic), NEC	590-594
180	Calculi of kidney and ureter	602
181	Calculi of other parts of urinary system	604
182	Kidney trouble, NOS or ill-defined	603.3-S
183	Other diseases of kidney and ureter, NEC	600, 601, 603.0-S, 603.1-S
184	Diseases of prostate	610-612
185	Other diseases of male genital organs	613-617
186	Diseases of male breast	620, 621-males
187	Diseases of female breast	620, 621-females
188	Diseases of ovary, fallopian tube and parametrium	622-626
189	Diseases of uterus, NEC	630-633
190	Disorders of menstruation	634
191	Menopausal symptoms except psychosis	635
192	Other diseases of female genital organs, NEC	636, 637.0, 637.1
193	Female trouble, NOS; vaginal bleeding, NOS	637.2-S
194	Diseases of the urinary system, NEC	605-609
195	Minor complaints of pregnancy	648.4-S
196	Other complications of pregnancy	640-647, 648.0-648.3, 649

197	Abortions	650-652
198	Delivery, normal or unspecified	660
199	Delivery by cesarean section, complication not specified	661-S
200	Delivery with specified complication	670-678
201	Minor complaints during the puerperium	688.4-S
202	Other complications of the puerperium	680-689 exc. 688.4-S
203	Boil and carbuncle, NEC	690
204	Cellulitis (with lymphangitis) NEC	691-693
205	Dermatitis due to plants (allergic)	702.0, 703.0
206	Other dermatitis and eczema, non-allergic	700, 701, 702.1-702.6, 703.1-703.7
207	Other nonallergic diseases of skin, NEC	694-698, 704-716
208	Rheumatoid arthritis (not used)	722 (not used)
209	Osteoarthritis (not used)	723 (not used)
210	Arthritis, all forms, NEC	725 (720-724 not used)
211	Other specified forms of arthritis (not used)	724 (not used)
212	Lumbago, rheumatism (muscular), fibrositis	726.0, 726.1, 726.3, 727
213	Displacement of intervertebral disc	735
214	Bunion	740
215	Synovitis and bursitis	741, 742
216	Other diseases of muscle, tendon, and fascia, NEC	743, 744
217	Diseases of bones and joints, NEC	730-733, 738
218	Congenital malformations NEC, and not classified as impairments	750, 753.1, 754, 756, 757, 758.1, 758.3, 758.6, 759
219	Retrolental fibroplasia, full term infants, age under 1 year	770.0-S
220	Retrolental fibroplasia, premature infants, age under 1 year	777.5-S
221	Certain diseases of early infancy NEC (with immaturity)	760-773
222	Immaturity with other conditions	774, 775
223	Immaturity NOS	776
224	Debility and undue fatigue	790.1
225	Headache	791
226	Senility	794
227	Certain nervous system symptoms	780.0-780.2, 780.4- 780.8, 780.X, 781.5- 781.7, 781.X
228	Heart pain, fainting, shock, edema, enlarged lymph gland or spleen	782.0, 782.3, 782.5- 782.8, 782.X
229	Certain respiratory symptoms	783
230	Hiccough	784.7
231	Enlarged liver	785.1
232	Jaundice, NOS	785.2

233	Other abdominal and lower GI symptoms	785.0, 785.3, 785.5, 785.7, 785.8, 785.X
234	Genitourinary symptoms; abnormal urinary constituents	786, 789
235	Acute symptoms referable to limbs, back, neck, trunk (pain, etc.)	787
236	Other general symptoms (rash, fever, etc.), NEC	788.0-788.8, 788.X
237	Uremia, unknown cause	792
238	Observation	793
239	Ill-defined NEC and unknown types of illness	795.0, 795.1, 795.5
240	Gland trouble, NOS	796-S
241	"Knots", "lumps", "bumps", cause and type unknown	797-S
242	Fracture, skull (vault) (base)	800, 801, 803
243	Fracture of ribs	807
244	Fracture of arm	812, 813, 818
245	Fracture of wrist, and/or fingers	814-817
246	Fracture of femur (hip) (upper leg)	820, 821
247	Fracture of lower leg not involving ankle or foot	823, 827
248	Fracture of ankle	824
249	Fracture of foot and toes	825, 826
250	Fractures of other and multiple sites, NEC	802, 804-806, 808-811, 819, 822, 828, 829
251	Fractures, 3 mos.+, no residual specified	800.9-829.9 (by site)
252	Dislocation of wrist	833
253	Dislocation of ankle	837
254	Dislocations of other and multiple sites	830-832, 834-836, 838, 839
255	Dislocations, 3 mos.+, no residual specified (not used)	X70.9-X79.9 (by site) (not used)
256	Sprains, strains, of wrist and hand	842
257	Sprains, strains, of ankle and foot	845
258	Sprains, strains, of back	846, 847
259	Sprains, strains, of other and multiple sites, NEC	840, 841, 843, 844, 848
260	Laceration and contusion of scalp	850, 851
261	Other head injuries, without fracture	852-856
262	Head injuries, 3 mos.+, no residual specified	852.9-856.9 (by type)
263	Internal injury, any of chest, abdomen, and pelvis	860-869
264	Open wound of face, neck, and trunk	870, 872-879
265	Open wound of upper limbs	880-885
266	Open wound of lower limbs	890-895
267	Open wound of other and multiple locations	900-908
268	Superficial injuries, NEC	910-918
269	Contusions, NEC	920-929
270	Foreign body entering through orifice	930-936



271	Burns	940-949
272	Burns, 3 mos.+, no residual specified	940.9-949.9 (by site)
273	Injury to nerves and spinal cord, without fracture	950-959
274	Injury to nerves and spinal cord, 3 mos.+, no residual specified	950.0-959.9 (by site)
275	Poisonings	960-979
276	Effects of weather, exposure and related conditions	980-989
277	Other specified effects of external causes	990-994
278	Injury of other or unknown nature	996.0-996.8, 996.X
279	Reactions and complications due to medical and surgical procedures	997, 998, 999.0-999.2
280	Injuries, 3 mos.+, NEC, no residual specified	850, 851, 860-869, 870, 872-885, 890-895, 900-908, 910-918, 920-936, 960-994, 996-999 (with 9 in 4th digit)

## X-Code Numbers and Titles:

(note: the NHIS condition and hospital files contain the character '-', rather than 'X', for the X-Codes; e.g., code X99 is represented as '-99' in the files)

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: Blindness, both eyes; blindness NOS.

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

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

X05: Impaired vision except as in X00-X02

(for FY 1965, X03 is defined as: Visual impairment: Inability to recognize a friend walking on the other side of the street and other visual difficulty, but not as in X00-X02. X00, X01, X02, and X05 are defined differently.)

### Impairment of Hearing (X06-X09):

X06: Deafness, total, both ears, including deaf-mutism.

X07: Impaired hearing, severe (both ears).

X09: Impaired hearing except as in X06, X07.

### 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.

X16: Mental deficiency, severe, except in mongolism.

X17: Mental deficiency, moderate.

X18: Mental deficiency, mild.

X19: Mental deficiency, degree not specified.

### Absence, Loss, All Sites Except as in X10-19, X92 (X20-X39):

X20: Absence, loss, arm, NOS, NEC.

X21: Absence, loss, arm, below elbow and above wrist.

X22: Absence, loss, arms, both.

X23: Absence, loss, hand, except fingers or thumbs only.

X24: Absence, loss, hands, both, except fingers or thumbs only.

X25: Absence, loss, fingers and/or thumbs, only one or both hands.

X26: Absence, loss, leg, NOS, NEC.

X27: Absence, loss, leg, below knee and above ankle.  
X28: Absence, loss, legs, both.  
X29: Absence, loss, foot, except toe(s) only.  
X30: Absence, loss, feet, both.  
X31: Absence, loss, toe(s) only, one or both feet.  
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.  
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, one, except fingers only.  
X41: Upper extremities, both.  
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  
X47: Hemiplegia.  
X48: Three or more major members; quadriplegia.  
X49: Other sites of extremities or trunk; site unspecified.

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.  
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, including old (3 mos.+ ) dislocations and sprains, with no residual specified - (stiffness) (trouble) (X70-X79) involving:

X70: Back, spine, vertebra, - (low) (lumbosacral) (sacro-iliac).  
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)  
X76: Knee, leg, NOS.  
X77: Ankle, foot, toe.  
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) ("side") (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, fingers(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.  
X96: Obesity.  
X97: Underweight.  
X98: Artificial orifice or valve, any site.  
X99: Impairment, ill-defined site or type.