

ORIGINAL RESEARCH

Frequency and Criticality of Diagnoses in Family Medicine Practices: From the National Ambulatory Medical Care Survey (NAMCS)

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Background: Family medicine is a specialty of breadth, providing comprehensive health care for the individual and the family that integrates the broad scope of clinical, social, and behavioral sciences. As such, the scope of practice (SOP) for family medicine is extensive; however, over time many family physicians narrow their SOP. We sought to provide a nationally representative description of the most common and the most critical diagnoses that family physicians see in their practice.

Methods: Data were extracted from the 2012 National Ambulatory Medical Care Survey (NAMCS) to select all ICD-9 codes reported by family physicians. A panel of family physicians then reviewed 1893 ICD-9 codes to place each code into an American Board of Family Medicine Family Medicine Certification Examination test plan specifications (TPS) category and provide a rating for an Index of Harm (IoH).

Results: An analysis of all 1893 ICD-9 codes seen by family physicians in the 2012 NAMCS found that 198 ICD-9 codes could not be assigned a TPS category, leaving 1695 ICD-9 codes in the dataset. Top 10 lists of ICD-9 codes by TPS category were created for both frequency and IoH.

Conclusions: This study provides a nationally representative description of the most common diagnoses that family physicians are seeing in their practice and the criticality of these diagnoses. These results provide insight into the domain of the specialty of family medicine. Medical educators may use these results to better tailor education and training to practice. (*J Am Board Fam Med* 2018;31:126–138.)

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Family medicine is a specialty of breadth, providing comprehensive health care for both the individual and the family that integrates the broad scope of clinical, social, and behavioral sciences.¹ As such, the scope of practice (SOP) for family medicine is extensive. Generally speaking, the scope of the specialty has been characterized by the Accreditation Council for Graduate Medical Education training

requirements² and the American Board of Family Medicine (ABFM) certification examination blueprint.³

Although family physicians are trained to address a wide variety of medical problems, over time many family physicians narrow their SOP. Currently, fewer family physicians are providing obstetric care⁴, women's health⁵, and pediatric care⁶ than they have in the past. Narrowing of a physician's SOP can occur for a variety of reasons, such as needs of the community, physician preference, or employer requirements.

In some cases, a physician may have narrowed his or her SOP while still believing she or he predominantly practices full-scope family medicine. Cognitive psychology describes a phenomenon called the Availability Heuristic⁷, which causes

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people to make judgments about the likelihood of an event based on how easily an example comes to mind. Being able to easily recall a few patients who seemingly represent full-spectrum care would make a physician believe she or he is practicing full-spectrum care when, in fact, she or he is not. The availability of information in memory also underlies the Representativeness Heuristic.⁸ With the Representativeness Heuristic, people judge the probability of an event belonging to a certain class based on the degree to which the event resembles the class; however, this neglects the probability of the class occurring in the first place. Physicians also change practice patterns and scope gradually so changes in their SOP are not noticeable, unless they have a method to benchmark their practice against a standard. It would be helpful for these physicians to have information about the domain of family medicine that they could compare with their own practice to get a more accurate picture of their individual SOP.

Furthermore, it would be helpful for medical educators in family medicine to have accurate information about the domain of family medicine to more fully target their training to reflect the conditions that their residents will be expected to treat once they are no longer under the residency program's supervision. Finally, in constructing an examination designed to certify family physicians, it is critical that the construct adequately, accurately, and fairly assess the domain of family medicine.

The National Center for Health Statistics conducts the National Ambulatory Medical Care Survey (NAMCS) annually.⁹ NAMCS is a large, representative, national sample survey that provides information about ambulatory care delivered in the United States. This publicly available dataset includes the physician reported International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9)¹⁰ codes for each patient visit in the sample and permits stratification by physician specialty. This dataset is well suited to describing the patient visits commonly seen by family physicians.

Using the NAMCS dataset, this article will provide a nationally representative description of the types of diagnoses that were seen by family physicians in ambulatory care settings in 2012 and estimates of the prevalence of those diagnoses. To supplement this perspective, an indicator of the degree of harm that would be caused by misdiag-

nosing or incorrectly treating each diagnosis was derived from ratings made by a panel of family physicians. Because of the large number of ICD-9 codes available, it may be of some utility to aggregate them into clinically relevant categories. We chose to use the ABFM's Family Medicine Certification Examination (FMCE) test plan specifications (TPS) because approximately 85% of active family physicians are certified by the ABFM¹¹, making it quite possibly the most widely applicable framework available.

Methods

Design

This study used the 2012 NAMCS data to identify ICD-9 codes that were reported by family physicians. These ICD-9 codes were included on a survey that was administered to physicians so that the ICD-9 codes could be linked to the ABFM's FMCE TPS categories. Each ICD-9 code was either linked to a TPS category or excluded for being too vague. NAMCS provides a weight for each visit in the sample (called a patient weight), allowing for the calculation of the frequency with which each ICD-9 was reported in the population. The top 10 most frequently seen ICD-9 codes for each TPS category are reported. In addition, the survey also asked the physicians about the likely degree of harm that would be caused by misdiagnosing or incorrectly treating the ICD-9 code. This information was transformed into an Index of Harm (IoH) scale.

NAMCS Data

The sampling frame for the 2012 NAMCS was composed of all physicians contained in the American Medical Association and the American Osteopathic Association master files who were office based; principally engaged in patient care activities; nonfederally employed; not in the specialties of anesthesiology, pathology, and radiology; and younger than 85 years of age at the time of the survey.

The 2012 NAMCS sample included 15,740 physicians: 14,931 allopathic physicians and 809 osteopathic physicians. Physicians included in the sample were screened at the time of the survey to assure that they met the above-mentioned criteria. A total of 6166 physicians did not meet all the criteria and were ruled ineligible for the study. Of the 9,574

eligible physicians, 3,583 participated in the NAMCS survey. For these, data were collected for 76,330 visits, either by a NAMCS representative (74,647 visits) or by physicians or their staffs (1,683 visits).¹²

We restricted our sample to those physicians whose self-identified specialty was family practice or general practice, as defined by NAMCS. Of the 76,330 Patient Record Forms (PRF) and 3,583 physicians, there remained 12,897 PRFs provided by 551 physicians following the implementation of the inclusion criterion. NAMCS contains a patient weight estimate that is used to obtain visit estimates from the survey data. By aggregating the patient weights, we are able to obtain estimates for the approximately 928,629,953 office visits made in the United States in 2012. Subsequent analyses were based on this dataset.

Panelists

An invitation was sent to 100 ABFM-certified family physicians from the greater Minneapolis, MN area to participate in a 1-day panel to review a sample 800 ICD-9 codes from a relevant population of 1893 ICD-9 codes. There were 27 physicians who accepted the invitation and 21 participated. The exercise lasted a single day and the panelists were provided an honorarium to acknowledge their contribution.

Instrumentation

Survey Content

A master survey was created using the ICD-9 codes that were reported by the physicians in the NAMCS sample for each patient visit; in aggregate, 1893 unique ICD-9 codes were reported. Given that the purpose of the survey was to connect the ICD-9 codes with the ABFM's FMCE TPS categories as a framework for understanding the domain of family medicine, panelists were asked to assign each ICD-9 code to 1 of the 16 FMCE TPS categories: Respiratory, Cardiovascular, Musculoskeletal, Gastrointestinal, Special Sensory (visual, hearing, etc.), Endocrine, Integumentary, Neurologic (brain, spinal cord, peripheral nervous system), Psychogenic (psychological, behavioral, mental health), Reproductive (male), Reproductive (female), Nephrologic, Hematologic/Immune, Nonspecific, Population-Based Care and Health Systems, and Patient-Based Care and Systems.

In addition to providing a TPS category for each ICD-9 code, panelists were also asked to answer, "How critical is the diagnosis and treatment of this condition?" using a 4-point Likert-type rating scale (Minimally, Moderately, Somewhat, Very). These data were used to create an Index of Harm (IoH) scale.

Survey Data Collection Design

Because asking panelists to review all 1893 ICD-9 codes from the master survey would be burdensome and time consuming, each panelist was asked to review only a subset of the codes. To accomplish this, the 1893 ICD-9 codes were grouped into blocks of 100 and staggered to implement a sampling strategy that assigned these blocks of ICD-9 codes to panelists such that each code was rated by as few as 6 or as many as 12 panelists (Figure 1). Each panelist received 400 codes in the morning and 400 in the afternoon. The survey was also designed to provide overlap of ICD-9 codes across raters to ensure that adjustments of rater severity applied to the IoH would be from the same frame of reference (Figure 1).^{13,14} Furthermore, the IoH was estimated using the Rasch measurement¹⁵ Rating Scale Model^{16,17}, which we used to adjust for the severity of the individual raters. It is important to note that Rasch models are robust to missing data, so the incomplete data design is not problematic when the overlap is sufficient to establish connectivity.

Analysis

Panel Review

To determine the category into which an ICD-9 code should be classified, the panelists' individual classifications were aggregated. For each ICD-9 code, if the total percentage of ratings for any single category was greater than or equal to 70% then that ICD-9 code was determined to have a sufficient level of agreement among the panelists to be classified in that category. The 70% consensus threshold was selected because the threshold had to be greater than 50% to establish that it was the dominant choice, but expecting 100% consensus in all cases seemed unreasonable. Furthermore, some codes were rated by as few as 6 or 7 panelists. Under these conditions the granularity of percentage in agreement becomes very coarse. With 6 raters, the possible choices are: 67% or 83% agreement. With 7 raters, the possible choices are: 57%,

Figure 1. Data collection matrix by rater ID number, 100 item International Classification of Diseases, Ninth Revision (ICD-9) code block, and morning/afternoon schedule designed to ensure overlap of ratings for connectivity.

	1	2	3	4	5	6	7	8	9	10	12	14	15	16	18	19	20	21	22	23	24	26	AM	PM	TOTAL	
1-100	AM											PM	PM	PM	AM	AM	AM			PM	PM		4	5	9	
101-200	AM	AM										PM	PM	PM	AM	AM	AM			PM	PM		5	5	10	
201-300	AM	AM	AM									PM	PM	PM	AM	AM				PM	PM		5	5	10	
301-400	AM	AM	AM	AM								PM	PM	PM	AM					PM	PM		5	5	10	
401-500	PM	AM	AM	AM	AM							PM	PM	PM	AM					PM	AM		6	6	11	
501-600	PM	PM	AM	AM	AM	AM						PM	PM	PM	AM					PM	AM		6	6	12	
601-700	PM	PM	PM	AM	AM	AM	AM					PM	PM	PM	AM					PM	AM		6	6	12	
701-800	PM	PM	PM	PM	AM	AM	AM	AM				PM	PM	AM					PM	AM		6	6	12		
801-900	PM	PM	PM	PM	AM	AM	AM	AM				PM	AM						PM	AM		5	5	10		
901-1000		PM	PM	PM	PM	AM	AM	AM	AM			PM	AM						PM	AM		5	5	10		
1001-1100		PM	PM	PM	PM	AM	AM	AM	AM			PM	AM						PM	AM		4	4	9		
1101-1200			PM	PM	PM	AM	AM	AM	AM			PM	AM						PM	AM		4	4	9		
1201-1300				PM	PM	PM	AM	AM	AM			PM	AM						PM	AM		3	3	6		
1301-1400					PM	PM	PM	PM	AM	AM		PM	AM						PM	AM		3	3	6		
1401-1500						PM	PM	PM	AM	AM	AM	PM	AM						PM	AM		4	4	8		
1501-1600							PM	PM	PM	AM	AM	AM	PM	AM					PM	AM	AM	5	4	9		
1601-1700								PM	PM	AM	AM	AM	AM	AM					AM			4	4	8		
1701-1800									PM	PM	AM	AM	AM	AM	AM					AM			4	4	8	
1801-1900										PM	PM	PM	AM	AM	AM	AM					AM			4	4	7
AM	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
PM	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
TOTAL	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	

71%, or 86% agreement. We chose 70% agreement as a compromise between being theoretically acceptable and technically manageable.

Committee Review

Those ICD-9 codes that did not achieve TPS category classification consensus among the panelists were reviewed by the ABFM Examination Committee using the same instrument and method; however, an additional category of “Too Vague to be Useful” was added. The same 70% consensus threshold was applied and any ICD-9 code that did not achieve a consensus rating in this review was removed from the final analysis.

Frequencies

After receiving a final category classification following the ABFM Examination Committee review, the prevalence of each ICD-9 code was examined by conducting frequency counts using the patient weights to estimate the number of visits nationally that were attributable to each ICD-9 code. Because NAMCS allows up to 3 ICD-9 codes to be entered for any single visit, we counted each ICD-9 code occurrence as a separate instance rather than try to control for co- and multi-morbidities.

IoH

The IoH for each ICD-9 code was estimated using a Rasch Rating Scale Model. More specifically, the probability of panelist n with a severity of β placing ICD-9 code i with a degree of harm δ into category x as:

$$Pr\{X_{ni} = x\} = \frac{\exp \sum_{k=0}^x (\beta_n - (\delta_i + \tau_k))}{\sum_{j=0}^m \exp \sum_{k=0}^x (\beta_n - (\delta_i + \tau_k))},$$

where the categories are ordered from 0 to m , and τ_k are the rating scale structure parameters (“Rasch thresholds”). In the Rasch Rating Scale Model, the same rating scale structure is imposed across all ICD-9 codes. Winsteps Rasch Measurement Calibration software version 3.92.1 (Beaverton, OR) was used to calibrate these parameters using the panelists’ data.

Because the Rasch model uses logits as its unit of measure, the logit calibrations were linearly transformed to have a minimum value of 0 (actually 0.1, near 0) for the lowest IoH score and 100 for the highest IoH score to improve the understandability of the measure using the formula:

$$\text{IoH} = (7 * \delta_i) + 46.$$

We examined data-model fit using outlier-sensitive standardized fit statistics (OUTFIT ZSTD), which are normally distributed z-scores showing the improbability of the data if the data were to fit the model perfectly.¹⁸ OUTFIT ZSTD values above 2.0 are typically considered to be too unpredictable and values below -2.0 are generally considered to be too constrained.¹⁹ In addition, summary statistics for a person reliability and item reliability are provided.^{20,21}

Results

Panel Review

Of the 1893 ICD-9 codes, 1446 (76.4%) had a single category for which the number ratings met or exceeded 70% of the total ratings, and were subsequently classified as having reached consensus regarding the appropriate classification category. Each of these ICD-9 codes received at least 4 ratings and as many as 13 ratings. Although panelists were instructed to assign each ICD-9 code to only 1 category, there were 26 instances in which a panelist provided multiple categories; these were allowed to stand and the consensus percentage was calculated by the number of ratings not the number of panelists.

Committee Review

The ABFM Examination Committee reviewed the 447 ICD-9 codes that did not achieve a consensus rating. The ABFM Examination Committee was not able to reach the 70% consensus level for 85 codes, which were removed from the final dataset. The ABFM Examination Committee also determined that an additional 113 ICD-9 codes did not provide any meaningful information, which were also removed from the final dataset. Following this review, 1695 ICD-9 codes were assigned a final category classification and can be found in online Appendix A. A list of the 198 ICD-9 codes removed from the final dataset can be found in online Appendix B.

Frequencies

Estimates of the number of annual visits for each ICD-9 code were calculated using the patient weights in the NAMCS dataset. The 10 most frequently occurring ICD-9 codes assigned to each

TPS category are provided in Table 1. Overall, Unspecified essential hypertension (4019), Other and unspecified hyperlipidemia (2724), and Diabetes mellitus w/o complication (25000) were the most frequently seen diagnoses. The distribution of diagnosis frequency can be seen in Figure 2, which shows that there are approximately 100 diagnoses that family physicians see often and then a lot of infrequently seen diagnoses.

IoH

The ICD-9 codes with the 10 highest (i.e., most critical) IoH scores assigned to each TPS category are also provided in Table 2. Overall, Systolic heart failure (42821), Diabetes with other coma (25032), and Unspecified intracranial hemorrhage (4329) were found to have the highest IoH scores. The mean IoH score was 46.6 with a standard deviation of 14.5, which approximates a normal distribution about the mean. The mean OUTFIT ZSTD was -0.2 with 173 ICD-9 codes (9.1%) showing an OUTFIT ZSTD value above 2.0 and 103 (5.4%) below -2.0. Person reliability was 0.99 and item reliability was 0.86. There were 15 instances in which a panelist provided multiple IoH category ratings for a single ICD-9 code; these were classified as missing.

Discussion

Using a national probability survey of patient visits for office-based family physicians and a panel of family physicians to rate ICD-9 codes for IoH, we were able to examine both the frequency with which diagnoses were seen by family physicians and identify those diagnoses that occur less frequently but have high IoH scores in clinical practice.

The NAMCS data allows us to more accurately describe the breadth of family medicine. As seen in Figure 2, there are approximately 100 diagnoses that family physicians see frequently in office visits and an additional 1600 diagnoses that are seen less often but still occur in office-based visits. Although some diagnoses are seen rarely, they are still important to the SOP of family physicians. The IoH attempts to describe the degree of harm that would be caused by misdiagnosing or incorrectly treating a specific ICD-9 code. For example, "Acute myocardial infarction of other anterior wall, initial episode of care (41011)" received an IoH score of 93, which was the 10th highest of all ICD-9 codes;

Table 1. Top 10 ICD-9 Codes for Each TPS Category by Weighted Frequency

TPS Category	ICD-9 Description	ICD-9 Code	Weighted Frequency	ICD-9 Description	ICD-9 Code	Weighted Frequency
Cardiovascular	Unspecified essential hypertension	4019	25,307,174	Atrial fibrillation	42731	1,703,903
	Other and unspecified hyperlipidemia	2724	11,949,820	Mixed hyperlipidemia	2722	1,567,589
	Benign essential hypertension	4011	4,744,514	Edema	7823	1,288,728
	Pure hypercholesterolemia	2720	4,633,304	Elevated blood pressure reading w/o d...	7962	1,179,330
	Coronary atherosclerosis of unspecifi...	41400	2,176,488	Congestive heart failure	4280	746,334
	Diabetes mellitus w/o complication, t...	25000	11,939,976	Dysmetabolic syndrome X	2777	569,545
	Unspecified hypothyroidism	2449	5,055,098	Diabetes w/neurological manifestation...	25060	431,742
	Unspecified vitamin D deficiency	2689	1,313,858	Diabetes with renal manifestations, t...	25040	406,649
	Other abnormal glucose	79029	631,335	Thyrototoxicosis without mention of goi...	24290	352,344
	Diabetes mellitus w/o complication, t...	25002	597,071	Unspecified disorder of thyroid	2469	344,713
Gastrointestinal	Esophageal reflux	53081	4,623,720	Nausea alone	78702	802,891
	Abdominal pain, unspecified site	78900	2,420,935	Unspecif gastritis/gastroduodenitis w...	53550	435,104
	Constipation, unspecified	56400	1,148,884	Dyspepsia and other specified disorder...	5368	426,647
	Diarrhea	78791	990,642	Diverticulitis of colon (without ment...)	56211	370,521
	Other and unspecified noninfectious g...	5589	844,929	Irritable colon	5641	364,100
	Anemia, unspecified	2859	1,496,928	Pernicious anemia	2810	119,671
	Allergy, unspecified	9953	867,426	Anemia, antepartum condition or compl...	64823	97,231
	Enlargement of lymph nodes	7856	310,843	Other lymphomas, unspec site, extrano...	20280	94,967
	Iron deficiency anemia, unspecified	2809	280,701	Lymphadenitis, unspecified, except me...	2893	89,252
	Leukocytosis, unspecified	28860	129,278	Thrombocytopenia, unspecified	2875	71,118
Integumentary	Rash and other nonspecific skin eruption	7821	1,487,116	Unspecified disorder of skin and subc...	7099	665,025
	Other cellulitis and abscess of unspe...	6829	1,058,575	Viral warts, unspecified	7810	466,770
	Other acne	7061	739,842	Other cellulitis and abscess of leg, ...	6826	413,751
	Herpes zoster without mention of comp...	539	682,125	Encounter for removal of sutures	V5832	411,691
	Sebaceous cyst	7062	667,439	Contact dermatitis/eczema of due to p...	6926	389,724
	Lumbago	7242	4,527,666	Pain in joint of shoulder region	71941	2,228,940
	Backache, unspecified	7245	3,661,663	Pain in joint of lower leg	71946	2,084,138
	Osteoarthritis, unspec generalized or...	71590	2,630,345	Myalgia and myositis, unspecified	7291	1,675,537
	Pain in limb	7295	2,577,512	Pain in joint of pelvic region and thigh	71945	1,188,355
	Cervicalgia	7231	2,434,661	Sprains and strains of lumbar	8472	1,127,251

Continued

Table 1. Continued

TPS Category	ICD-9 Description	ICD-9 Code	Weighted Frequency	ICD-9 Description	ICD-9 Code	Weighted Frequency
Nephrologic	Urinary tract infection, site not spe...	5990	2,752,888	Urinary incontinence, unspecified	78830	367,895
	Dysuria	7881	921,321	Calculus of kidney	5920	364,745
	Hematuria, unspecified	59970	521,389	Unspecified disorder of kidney and ur...	5939	277,851
	Urinary frequency	78841	509,208	Cystitis, unspecified	5959	214,142
	Chronic kidney disease, unspecified	5859	456,096	Other symptoms involving urinary system	78899	186,97
	Headache	7840	2,290,819	Disturbance of skin sensation	7820	493,688
	Migraine, unspecified without mention...	34690	1,640,174	Unspecified hereditary and idiopathic...	3569	473,502
	Dizziness and giddiness	7804	1,369,179	Dementia, unspec, w/o behavioral disturbance	29420	459,859
	Thoracic or lumbosacral neuritis or r...	7244	861,707	Syncope and collapse	7802	395,926
	Alzheimer's disease	3310	505,503	Restless legs syndrome (RLS)	33394	391,944
Nonspecific	Other malaise and fatigue	78079	4,001,378	Fever and oth physio disturb of temp regu	78060	709,681
	Obesity, unspecified	27800	3,833,783	Diagnosis of 'none'	V997	695,957
	Examination following other treatment	V6759	2,850,911	Abnormal loss of weight	78321	633,643
	Other specified aftercare	V5889	2,217,235	Oth elective surgery for purpos oth t...	V508	622,784
	Unspecified cause	6929	1,926,387	Overweight	27802	605,840
	Routine general medical examination a...	V700	9,944,857	Unspecified general medical examination	V709	20,149
	Routine infant or child health check	V202	3,981,438	Disability examination	V6801	17,385
	Issue of repeat prescriptions	V681	464,378	NA	NA	NA
	Health supervision for newborn under 8 days old	V2031	90,108	NA	NA	NA
	Observation for abuse and neglect	V7181	27,114	NA	NA	NA
Patient-based Systems	Prophylactic vac/inocula agnst influenz...	V0481	951,972	Prophylactic vaccination/inoculat agns...	V058	70,633
	Health examination of defined subpopu...	V705	668,771	Prophylactic vaccination/inoculation ...	V045	46,806
	Prophylactic vaccinatin/inocula agnst ...	V059	306,904	Prophylactic vaccination/inoculat agns...	V0382	38,087
	Prophylactic vaccin/inoculat agnst d...	V061	265,375	Prophylactic vaccination/inoculation ...	V040	37,630
	Prophylac vac/inocula agnst oth viral.	V0489	132,782	Prophylactic vaccination/inoculation ...	V054	17,572
	Anxiety state, unspecified	30000	6,500,798	Opioid type dependence, unspecified	30400	1,384,256
	Depressive disorder, not elsewhere cl...	311	6,011,311	Attention deficit disorder with hyper...	31401	1,320,982
	Other insomnia	78052	3,069,106	Generalized anxiety disorder	30002	808,730
	Attention deficit disorder without me...	31400	1,695,114	Neurotic depression	3004	754,576
	Tobacco use disorder, unspecified	3051	1,427,562	Manic-depressive psychosis, unspecifed	29680	540,672

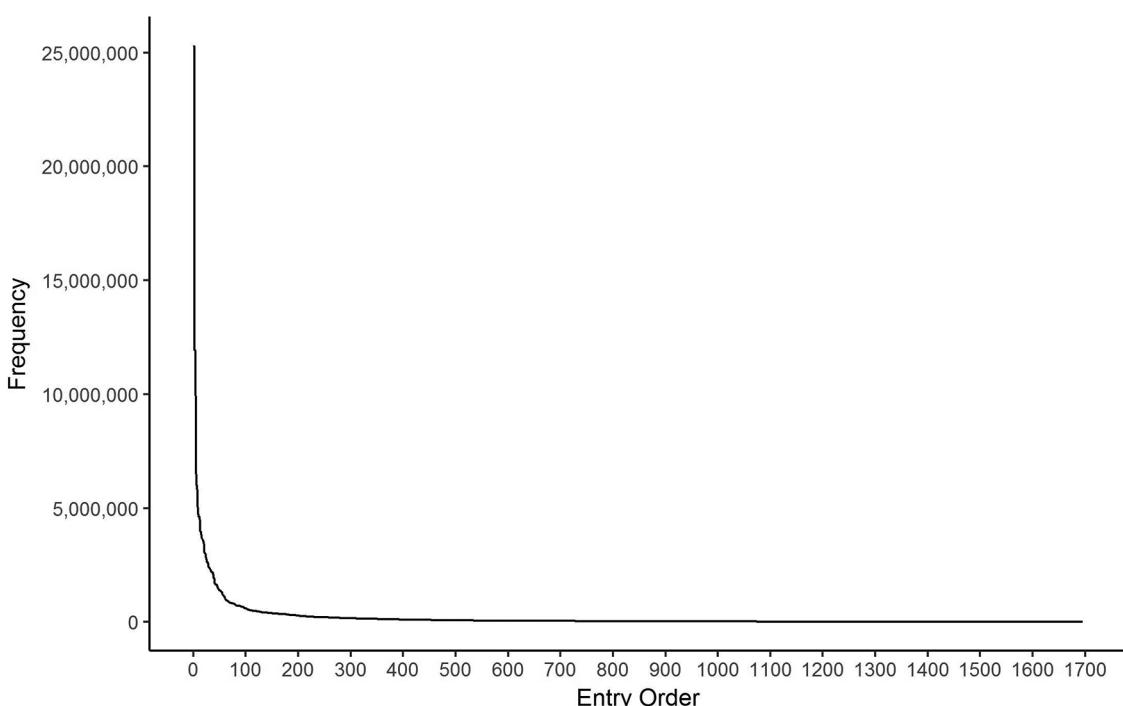
Continued

Table 1. Continued

TPS Category	ICD-9 Description	ICD-9 Code	Weighted Frequency	ICD-9 Description	ICD-9 Code	Weighted Frequency
Female reproductive	Routine gynecological examination	V7231	2,219,176	Menopausal or female climacteric states	6272	392,353
	Supervision of other normal pregnancy	V221	1,442,891	Malignant neoplasm of breast (female)...	1749	369,607
	Vaginitis and vulvovaginitis, unspeci...	61610	713,180	Candidiasis of vulva and vagina	1121	345,578
	Unspecified contraceptive management	V259	423,656	Other high-risk pregnancy	V2389	342,236
	Special screening for malignant neopl...	V762	422,307	Excessive or frequent menstruation	6262	277,301
	Other testicular hypofunction	2572	999,048	Hypertrophy (benign) prostate w/urina...	60001	160,866
	Impotence of organic origin	60784	766,755	Orchitis and epididymitis, unspecified	60490	138,769
	Hyper trophy (benign) prostate w/o uri...	60000	516,532	Unspecified disorder of male genital...	6089	124,688
	Malignant neoplasm of prostate	185	349,067	Elevated prostate specific antigen [PSA]	79093	121,841
	Prostatitis, unspecified	6019	184,973	Prostatocystitis	6013	61,744
Respiratory	Acute upper respiratory infections of...	4659	5,828,386	Asthma, unspecified without mention o...	49390	3,049,441
	Allergic rhinitis cause unspecified	4779	3,696,363	Bronchitis, not specified as acute or...	490	2,994,117
	Unspecified sinusitis (chronic)	4739	3,613,552	Chronic airway obstruction, not elsev...	496	2,389,035
	Acute pharyngitis	462	3,546,180	Acute bronchitis	4660	2,341,367
	Cough	7862	3,457,327	Other dyspnea and respiratory abnorma...	78609	928,862
	Acute sinusitis, unspecified	4619	2,647,725	Infective otitis externa, unspecified	38010	486,084
	Unspecified otitis media	3829	1,940,521	Conjunctivitis, unspecified	37230	482,456
	Other medical examination for adminis...	V703	1,398,641	Dysfunction of Eustachian tube	38181	476,864
	Otalgia, unspecified	38870	842,767	Acute suppurative otitis media w/out...	38200	329,856
	Impacted cerumen	3804	721,552	Nonsuppurative otitis media, not spec...	3814	307,151

ICD-9, International Classification of Diseases, Ninth Revision; TPS, test plan specifications.

Figure 2. Distribution of International Classification of Diseases, Ninth Revision (ICD-9) codes by frequency.



however, it had the second lowest frequency of any diagnosis. This would seem to represent a diagnosis that although rarely seen is an important aspect of the scope of the domain of family medicine.

Individual physicians should be able to use tables 1 and 2 to examine whether their SOP mirrors that of the domain of family medicine while blunting the effects of the Representativeness Heuristic. However, they will still need to accommodate the Availability Heuristic by performing a record review or some other kind of objective analysis rather than relying on their own memory.

Because of the large number of ICD-9 codes, it made sense to aggregate the codes into a common framework using the ABFM FMCE TPS categories. Table 1 provides the top 10 ICD-9 codes by frequency and table 2 provides the top 10 ICD-9 codes by IoH. By using the TPS categories, medical educators may find common themes that would aid in curriculum development and targeting training to practice. For instance, it is likely that during training a resident would encounter the most frequently seen ICD-9 codes in the Cardiology TPS category, such as hypertension, hyperlipidemia, edema, and atrial fibrillation (see Table 1). However, residents may be less likely to encounter some of the conditions with high IoH scores that occur less frequently, such as acute myocardial infarction,

dissection of coronary artery, or acute systolic heart failure (see Table 2). Designing educational programs around these low-frequency, high-IoH conditions may help better prepare residents for these rare, but critical events.

This study has several limitations. The list of ICD-9 codes taken from the NAMCS dataset is clearly not exhaustive, but it is representative and can provide useful information for examining the domain of family medicine. NAMCS considers only family physicians in the outpatient setting and future studies may wish to include the National Hospital Ambulatory Medical Care Survey to better understand the role of family physicians in the hospital/inpatient setting. Furthermore, the single panel site and 21% participation rate may have introduced some selection bias; however, because ICD-9 codes are used nationally, we have no reason to believe that physicians use them differently. We can think of no reason why this would affect the results. Finally, the ABFM TPS framework, although perhaps not optimal, does seem to represent the best option for a shared framework. Other classification schemes, such as the Agency for Health care Research and Quality's Clinical Classifications Software, may also provide useful representations of the domain of family medicine.

Table 2. Top 10 ICD-9 Codes for Each TPS Category by IoH

TPS Category	ICD-9 Description	ICD-9 Code	IoH	ICD-9 Description	ICD-9 Code	IoH
Cardiovascular	Systolic heart failure, acute	42821	96	Endocarditis, valve unspecified, unsp...	42490	83
	Dissection of coronary artery	41412	94	True post wall infarc of unspec site,...	41090	81
	Acute myocard infarc of oth anter wal...	41011	93	True post wall infarc of other spec si...	41080	81
	Systolic heart failure, acute on chronic	42823	87	Endocarditis in diseases classified e...	42491	81
	Congestive heart failure	4280	85	Malignant essential hypertension	4010	80
	Diabetes with other coma, type II, un...	25032	96	Diabetes mellitus w/o complication, t...	25000	65
	Thyrotoxicosis with toxic diffuse goi...	24200	76	Neoplasm of uncertain behavior of adr...	2372	65
	Diabetes mellitus w/o complication, t...	25002	67	Diabetes w/neurological manifestation...	25060	63
	Secondary diabetes mellitus w/o comp...	24900	66	Diabetes mellitus, antepartum conditi...	64803	63
	Diabetes w/neurological manifestation...	25062	65	Diabetes w/other spec manifestations,...	25080	62
Endocrine	Malignant neoplasm of colon, unspecified	1539	94	Malignant neoplasm of appendix	1535	77
	Hemorrhage of gastrointestinal tract,...	5789	85	Other ventral hernia with obstruction	55229	75
	Malignant neoplasm of biliary tract, ...	1569	79	Malignant neoplasm of stomach, unspic...	1519	74
	Malignant neoplasm of rectum	1541	79	Acute cholecystitis	5750	73
	Appendicitis, unqualified	541	77	Unspecified intestinal obstruction	5609	73
	Acute myeloid leukemia w/o mention of...	20500	80	Other pancytopenia	28419	67
	Unspecified lymphoid leukemia w/o men...	20490	78	Neoplasm of uncertain behavior of pol...	2384	65
	Other lymphomas, unspc site, extrano...	20280	71	Human immunodeficiency virus (HIV) di...	42	65
	Bacteremia	7907	70	Multiple myeloma w/o mention of remis...	20390	65
	Asymptomatic human immunodeficiency v...	V08	70	Autoimmune hemolytic anemias	2830	65
Gastrointestinal	Malignant neoplasm of melanoma of skin...	1729	94	Other cellulitis and abscess of face	6820	62
	Squamous cell carcinoma of skin, site unspec	17392	68	Pressure ulcer stage III	70723	62
	Malignant neoplasm of other specified...	1728	66	Squamous cell carcinoma skin upper limb, inc shoulder	17362	62
	Unspec malignant neoplasm of skin, site unspec	17390	66	Personal history of other malignant n...	V1083	60
	Methicillin resistant Staphylococcus aureus	4112	65	Other cellulitis and abscess of foot,...	6827	60
	Secondary malignant neoplasm of bone ...	1985	75	Displacement of cervical intervertebr...	7220	67
	Unspecified osteomyelitis of pelvic r...	73025	72	Closed dislocation of hip, unspecified	83500	67
	Malignant neoplasm of lower limb	1955	72	Neoplasms of unspecified nature bone,...	2392	66
	Unspecified osteomyelitis of ankle an...	73027	70	Pathologic fracture of humerus	73311	66
	Cl's fr cervl vertbra, w/o ment sp...	80500	70	Crushing injury of foot	92820	64

Continued

Table 2. Continued

TPS Category	ICD-9 Description	ICD-9 Code	IoH	ICD-9 Description	ICD-9 Code	IoH
Nephrologic	Malignant neoplasm of kidney, except . . .	1890	85	Renal dialysis status	V4511	72
	Acute renal failure, unspecified	5849	81	Chronic kidney disease, stage V	5855	72
	Malignant neoplasm of renal pelvis	1891	81	Oliguria and anuria	7885	71
	Chronic kidney disease, stage IV(severe)	5854	79	Pyelonephritis, unspecified	59080	70
	Renal failure, unspecified	586	73	Malignant neoplasm of bladder, part u. . .	1889	69
	Unspecified intracranial hemorrhage	4329	95	Cerebral thrombosis with cerebral inf. . .	43401	82
Neurologic	Malignant neoplasm of brain, unspecified	1919	94	Unspecified site of spinal cord injury	9529	81
	Cerebral embolism with cerebral infar. . .	43411	94	Cerebral artery occlusion, unspec, wi. . .	43491	80
	Cerebral artery occlusion, unspec, w/. . .	43490	87	Obstructive hydrocephalus	3314	78
	Unspecified transient cerebral ischemia	4359	82	Altered mental status	78097	78
	Other anaphylactic shock	9950	92	Poisoning by other	96509	70
	Systemic inflamm resp synd due to inf. . .	99591	87	Hyposmolarity and/or hyponatremia	2761	70
	Failure to thrive in newborn	77934	81	Abnormal loss of weight	78321	68
	Malignant neoplasm of ill-defined sit. . .	1499	80	Heat exhaustion, unspecified	9925	68
	Poisoning by unspecified drug or medi. . .	9779	76	Failure to thrive	78341	68
	Observation for abuse and neglect	V7181	58	Unspecified general medical examination	V709	38
	Routine general medical examination a. . .	V700	49	Issue of repeat prescriptions	V681	29
	Routine infant or child health check	V202	48	NA	NA	NA
	Health supervision for newborn under 8 days old	V2031	47	NA	NA	NA
	Disability examination	V6801	39	NA	NA	NA
	Prophylactic vaccination/inoculatin agns. . .	V058	56	Prophylac vacc/inocula agnst influenz. . .	V0481	42
	Prophylactic vaccination/inoculation . . .	V045	56	Prophylac vacc/inocula agnst oth viral..	V0489	42
	Prophylactic vaccination/inoculatin agns. . .	V0382	53	Prophylactic vaccination/inoculation . . .	V040	39
	Prophylactic vaccination/inoculation . . .	V032	45	Health examination of defined subpopu. . .	V705	37
	Underimmunization status	V1583	42	Prophylactic vaccination/inoculation . . .	V054	37
	Suicidal ideation	V6284	85	Bipolar affective disorder, depressed. . .	29651	65
	Hallucinations	7801	70	Paranoid type of schizophrenic disord. . .	29530	65
	Bipolar affective disorder, depressed. . .	29652	70	Alcohol withdrawal	29181	65
	Opioid abuse, continuous	30551	66	Unspecified schizophrenia, unspecified	29590	64
	Opioid type dependence, unspecified	30400	66	Manic-depressive psychosis, unspecified	29680	64

Continued

Table 2. Continued

TPS Category	ICD-9 Description	ICD-9 Code	IoH	ICD-9 Description	ICD-9 Code	IoH
Female reproductive	Malignant neoplasm of ovary	1830	94	Intrauterine death, delivered with or...	65641	70
	Malignant neoplasm of breast (female),...	1749	91	Neoplasms of unspecified nature breast	2393	66
	Hemorrh from threatened abortn antepart...	64003	74	Other high-risk pregnancy	V2389	65
	Mild or unspec pre-eclampsia w/antepa...	64243	73	Postmenopausal bleeding	6271	65
	Malignant neoplasm of uterus, part un...	179	72	Smoking complicating pregnancy, childbir...	64903	64
	Torsion of testis, unspecified	60820	86	Orchitis and epididymitis in diseases...	60491	52
	Neoplasm of uncertain behavior of testis	2364	72	Acute prostatitis	6010	50
	Malignant neoplasm of prostate	185	69	Prostatitis, unspecified	6019	50
	Unspecified testicular dysfunction	2579	59	Elevated prostate specific antigen [PSA]	79093	50
	Orchitis and epididymitis, unspecified	60490	53	Prostatitis in diseases classified el...	6014	50
Respiratory	Respiratory failure	51881	92	Bacterial pneumonia unspecified	4829	76
	Malignant neoplasm of larynx, unspeci...	1619	92	Extrinsic asthma with acute exacerbation	49302	76
	Malignant neoplasm of upper lobe, bro...	1623	85	Pulmonary tuberculosis, unspecified	1190	74
	Malignant neoplasm of bronchus and lu...	1629	85	Pneumococcal pneumonia [Streptococcus...	481	74
	Other pulmonary embolism and infarction	41519	80	Obstructive chronic bronchitis w/exacer...	49121	74
	Other forms of retinal detachment	36189	87	Diplopia	3682	67
	Unspecified open wound of eyeball	8719	72	Other specified open wounds of ocular...	8708	64
	Unspecified retinal detachment	3619	72	Purulent endophthalmitis, unspecified	36000	64
	Herpes zoster with other ophthalmic co...	5329	71	Unspecified visual loss	3699	61
	Retinal vascular occlusion, unspecified	36230	71	Foreign body of unspecified site of eye	9369	59

ICD-9, International Classification of Diseases, Ninth Revision; IoH, Index of Harm; TPS, test plan specifications.

This was not a hypothesis testing study but rather a descriptive study that looked at the scope of what family physicians are doing in an ambulatory care setting from the perspectives of frequency and potential for patient harm. There is a subtle difference between what family physicians are doing and what the specialty of family medicine considers to be within its purview. This study considers only what family physicians are doing and is silent with regard to what is considered to be within the realm of family medicine. Nevertheless, this information is critical to anyone who is committed to preparing physicians to enter the specialty of family medicine, to providing relevant continuing medical education for them, or to accurately assessing their clinical knowledge. It is crucial that family medicine certification boards, both osteopathic or allopathic, understand what family physicians are doing, so that their certification process can sufficiently reflect the full range of the scope of family medicine. It is our hope that these descriptions can help the professional community identify appropriate content for teaching and testing the important aspects of family medicine.

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Appendix A: ICD-9 Codes Assigned a Final Category Classification (n = 1,695)

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1	Unspecified anomaly of upper limb	75550	3298	MN	Musculoskeletal	34
2	Other symptoms involving respiratory . . .	7869	337213	MN	Respiratory	43
3	Unspecified internal derangement of knee	7179	232641	MN	Musculoskeletal	48
4	Common migraine without mention of in. . .	34610	49001	MN	Neurologic	53
5	Aggressive periodontitis, localized	52331	28430	EC	Special.Sensory	40
6	Herpes zoster without mention of comp. . .	539	682125	MN	Integumentary	45
7	End stage renal disease	5856	86655	MN	Nephrologic	68
8	Menopausal or female climacteric states	6272	392353	MN	Reproductive.Female	33
10	Ulcerative colitis, unspecified	5569	73371	MN	Gastrointestinal	56
12	Arthropathy, unspecified, site unspec. . .	71690	820981	MN	Musculoskeletal	39
13	Other inflammatory disorders of penis	6072	46806	MN	Reproductive.Male	45
14	Spinal stenosis, unspecified region	72400	183216	MN	Musculoskeletal	56
15	Acute serous otitis media	38101	210637	MN	Special.Sensory	36
17	Unspecified disorder of urethra and u. . .	5999	59827	EC	Nephrologic	38
18	Head injury, unspecified	95901	46198	MN	Neurologic	75
19	Alcoholic liver damage, unspecified	5713	21003	MN	Gastrointestinal	63
20	Perforation of tympanic membrane, uns. . .	38420	44707	MN	Special.Sensory	40
21	Myalgia and myositis, unspecified	7291	1675537	MN	Musculoskeletal	42
22	Unspecified cataract	3669	196135	MN	Special.Sensory	39
23	Varicose veins of lower extremities wi..	4541	53386	MN	Cardiovascular	27
24	Acute upper respiratory infections of. . .	4658	115457	MN	Respiratory	38
25	Foreign body in conjunctival sac	9301	28430	MN	Special.Sensory	42
26	Trigger finger (acquired)	72703	64711	MN	Musculoskeletal	24
27	Trichomonal vulvovaginitis	13101	32701	MN	Reproductive.Female	51
28	Other specified diseases of sebaceous. . .	7068	37630	MN	Integumentary	16
31	Other chronic pulmonary heart diseases	4168	54208	MN	Cardiovascular	63
32	Infectious diarrhea	92	4839	MN	Gastrointestinal	51
33	Open wound(s) (multiple) of unspecifi. . .	8799	17385	MN	Integumentary	47
34	Trigeminal neuralgia	3501	166042	MN	Neurologic	53
36	Thrombocytopenia, unspecified	2875	71118	MN	Hematologic.Immune	53
37	Other specified headache syndromes	33989	11609	MN	Neurologic	51
38	Female infertility of unspecified origin	6289	1739	MN	Reproductive.Female	47
39	Other pancytopenia	28419	1830	MN	Hematologic.Immune	67
40	Unspecified otitis media	3829	1940521	MN	Special.Sensory	44
42	Nephrotic syndrome with unspecif path. . .	5819	11463	MN	Nephrologic	65
43	Pulmonary congestion and hypostasis	514	6331	MN	Respiratory	67
44	Chronic ischemic heart disease, unspe. . .	4149	38355	MN	Cardiovascular	68
45	Personal history of poliomyelitis	V1202	29838	MN	Neurologic	43
46	Mild cognitive impairment, so stated	33183	193805	MN	Neurologic	42
47	Diabetes w/other spec manifestations,. . .	25080	84554	MN	Endocrine	62
48	Dysuria	7881	921321	EC	Nephrologic	42
50	Other ill-defined disorders of eye	37999	53077	MN	Special.Sensory	40
51	Diagnosis of 'none'	V997	695957	MN	Nonspecific	3
52	Extrinsic asthma without mention of s. . .	49300	259297	MN	Respiratory	53
53	Abscess of eyelid	37313	17594	EC	Special.Sensory	45
54	Sprains and strains of lumbar	8472	1127251	MN	Musculoskeletal	42

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
55	Infectious colitis, enteritis, and ga...	90	63130	MN	Gastrointestinal	51
57	Other penile anomalies	75269	4811	MN	Reproductive.Male	27
58	Nausea alone	78702	802891	MN	Gastrointestinal	33
59	Senile osteoporosis	73301	33516	MN	Musculoskeletal	48
60	Family history of arthritis	V177	1522	MN	Musculoskeletal	13
61	Benign local hyper prost w/o urin obs...	60020	5946	MN	Reproductive.Male	45
62	Food poisoning, unspecified	59	1830	MN	Gastrointestinal	42
64	Unspecified disorder of gallbladder	5759	18419	MN	Gastrointestinal	48
65	Psychogenic vaginismus	30651	15464	EC	Psychogenic	36
66	Acute posthemorrhagic anemia	2851	9009	MN	Hematologic.Immune	56
67	Secondary to blood loss (chronic)	2800	21451	MN	Hematologic.Immune	45
68	Nonallopathic lesions, thoracic region	7392	268000	MN	Musculoskeletal	30
70	Other dermatitis or eczema due to oth...	69289	7828	MN	Integumentary	30
71	Edema	7823	1238728	MN	Cardiovascular	51
72	Concussion, loss of consciousness uns...	8509	76361	MN	Neurologic	72
73	Benign hypertensive heart disease wit...	40210	19857	MN	Cardiovascular	53
74	Umbilical hernia	5531	97615	MN	Gastrointestinal	27
75	Unspecified osteomyelitis of pelvic r...	73025	28430	MN	Musculoskeletal	72
76	Routine postpartum follow-up	V242	207901	MN	Reproductive.Female	30
77	Unspecified adverse effect of other drug...	99529	2948	MN	Nonspecific	43
78	Hyperhidrosis	7808	66779	MN	Integumentary	21
79	Schizo-affective type of schizophreni...	29570	23114	MN	Psychogenic	55
80	Chronic ulcer of unspecified site	7079	51706	MN	Integumentary	51
81	Clos fract lumbar vertebrae, w/o ment...	8054	7998	MN	Musculoskeletal	56
82	Disturbance of skin sensation	7820	493688	MN	Neurologic	33
83	Closed fracture of upper end of humer...	81200	6911	MN	Musculoskeletal	53
84	Gastroenteritis and colitis due to ra...	5581	10250	MN	Gastrointestinal	48
85	Hepatomegaly	7891	24621	MN	Gastrointestinal	48
86	Vestibular neuronitis	38612	7355	EC	Special.Sensory	48
88	Unspecified circulatory system disorder	4599	45866	MN	Cardiovascular	42
89	Eustachian salpingitis, unspecified	38150	28430	MN	Special.Sensory	41
90	Postcoital bleeding	6267	22796	MN	Reproductive.Female	42
91	Osteoarthritis, localized, primary, p...	71515	28430	MN	Musculoskeletal	33
92	Other dyspnea and respiratory abnorma...	78609	928862	MN	Respiratory	60
93	Personal history of pneumonia	V1261	7519	MN	Respiratory	30
94	Pityriasis rosea	6963	4070	MN	Integumentary	27
95	Postlaminectomy syndrome, lumbar region	72283	44226	MN	Musculoskeletal	42
97	Posttraumatic wound infection, not el...	9583	6783	MN	Integumentary	55
98	Cardiac pacemaker	V4501	44241	MN	Cardiovascular	47
100	Unspecified derangement of joint of p...	71895	46806	MN	Musculoskeletal	37
101	Cluster headache syndrome, unspecified	33900	25374	MN	Neurologic	49
103	Contusion of elbow	92311	6355	MN	Musculoskeletal	12
104	Myasthenia gravis w/o (acute) exacerb...	35800	50474	MN	Neurologic	60
105	Malignant neoplasm of melanoma of ski...	1729	35160	MN	Integumentary	94
106	Stiffness of joint of site unspecifie...	71950	59876	MN	Musculoskeletal	31
107	Other chronic postoperative pain	33828	393702	EC	Nonspecific	43
108	Asymptomatic postmenopausal status (a...	V4981	83992	MN	Reproductive.Female	6
109	Malignant neoplasm of brain, unspecified	1919	11463	MN	Neurologic	94
111	Other threatened labor w/antepartum c...	64413	17594	MN	Reproductive.Female	57
112	Abrasions or friction burn of hip/thig...	9160	27478	MN	Integumentary	12

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
113	Hyperemesis gravidarum w/metabol dist...	64313	5192	MN	Reproductive.Female	62
115	Other affections of shoulder region, ...	7262	101462	MN	Musculoskeletal	37
116	Atrial flutter	42732	1981	MN	Cardiovascular	71
117	Acute gouty arthropathy	27401	43625	MN	Musculoskeletal	52
118	Primary hypercoagulable state	28981	11446	MN	Hematologic.Immune	60
120	Burn, unspecified, blisters, epiderma...	9492	11219	MN	Integumentary	31
122	Obstructive chronic bronchitis w/acute bronchitis	49122	40718	MN	Respiratory	68
123	Open wound of toe(s), without mention...	8930	26410	MN	Integumentary	39
124	Cerebral embolism with cerebral infar...	43411	16002	MN	Neurologic	94
125	Narcolepsy without cataplexy	34700	15220	MN	Neurologic	54
126	Acute bronchitis	4660	2341367	MN	Respiratory	44
127	Ulcer of ankle, exc decubitus	70713	29644	MN	Integumentary	42
128	Aseptic necrosis of bone, site unspec...	73340	5656	MN	Musculoskeletal	62
129	Pure hyperglyceridemia	2721	195620	EC	Cardiovascular	44
130	Other chronic cystitis	5952	6911	EC	Nephrologic	48
131	Peripheral autonomic neuropathy in di...	3371	62131	MN	Neurologic	54
132	Unspecified affective psychosis	29690	152257	MN	Psychogenic	62
133	Malignant neoplasm of ovary	1830	34319	MN	Reproductive.Female	94
134	Health supervision for newborn 8 to 28 days old	V2032	175957	MN	Nonspecific	42
135	Slow transit constipation	56401	46806	MN	Gastrointestinal	34
136	Atherosclerosis of renal artery	4401	8944	EC	Nephrologic	54
137	Other, mixed, or unspecified drug abu...	30590	91929	MN	Psychogenic	60
138	Unspecified inflammation of eyelid	3739	15474	MN	Special.Sensory	26
139	Pain in joint of other specified sites	71948	20924	MN	Musculoskeletal	32
140	Osteoarthritis, localized, primary, l...	71516	101821	MN	Musculoskeletal	39
141	Chronic serous otitis media, simple o...	38110	37630	MN	Special.Sensory	39
142	Adult emotional/psychological abuse	99582	7437	MN	Psychogenic	60
143	Sprains and strains of neck	8470	706793	MN	Musculoskeletal	37
144	Sprains and strains of unspecified si...	8449	242161	MN	Musculoskeletal	31
145	Somnambulism or night terrors	30746	17094	MN	Psychogenic	37
146	Oliguria and anuria	7885	5798	MN	Nephrologic	71
147	Classical migraine with intractable m...	34601	9344	MN	Neurologic	60
148	Postinflammatory pulmonary fibrosis	515	53921	MN	Respiratory	60
150	Arthropathy, unspecified, multiple sites	71699	121679	MN	Musculoskeletal	37
151	Squamous cell carcinoma skin lower limb, inc hip	17372	22341	MN	Integumentary	57
153	Sprains and strains of metatarsophala...	84512	8698	MN	Musculoskeletal	28
155	Prostatocystitis	6013	61744	MN	Reproductive.Male	49
157	Unspecified iridocyclitis	3643	27114	MN	Special.Sensory	52
158	Circumscribed scleroderma	7010	20739	MN	Integumentary	44
159	Cestode infection, unspecified	1239	2948	EC	Gastrointestinal	45
160	Tear of medial cartilage or meniscus ...	8360	47238	MN	Musculoskeletal	42
161	Unspecified intestinal malabsorption	5799	112048	MN	Gastrointestinal	52
162	Condyloma acuminatum	7811	53605	MN	Integumentary	34
163	Otogenic pain	38871	32930	MN	Special.Sensory	34
164	Gouty nephropathy, unspecified	27410	14370	MN	Nephrologic	54
165	Unspecified lymphoid leukemia w/o men...	20490	13034	MN	Hematologic.Immune	78
166	Unspecified disease of respiratory sy...	5199	103500	MN	Respiratory	38

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
167	Other atopic dermatitis and related c...	6918	224209	MN	Integumentary	31
168	Transient hypertension of preg w/ante...	64233	17594	MN	Reproductive.Female	47
169	Anxiety state, unspecified	30000	6500798	MN	Psychogenic	57
170	Effusion of joint of upper arm	71902	29838	MN	Musculoskeletal	42
171	Volume depletion, unspecified	27650	5798	MN	Cardiovascular	57
172	Atrial fibrillation	42731	1703903	MN	Cardiovascular	68
173	Chondromalacia	73392	3051	MN	Musculoskeletal	39
174	Bipolar affective disorder, depressed...	29651	11161	MN	Psychogenic	65
175	Dermatophytosis of other specified sites	1108	22147	MN	Integumentary	25
176	Bariatric surgery status	V4586	38358	EC	Nonspecific	46
178	Tobacco use disorder, unspecified	3051	1421592	EC	Psychogenic	62
179	Hemorrhage of gastrointestinal tract,...	5789	9610	MN	Gastrointestinal	85
180	Other specified disorders of joint, f...	71983	7818	MN	Musculoskeletal	33
181	Visual field defect, unspecified	36840	28430	EC	Special.Sensory	47
183	Ventral hernia, unspecified	55320	162505	EC	Gastrointestinal	34
184	Other anxiety state	30009	45816	MN	Psychogenic	47
185	Insect bite of oth/multipl/unspec sit...	9195	89061	MN	Integumentary	23
186	Percutaneous transluminal coronary an...	V4582	10996	MN	Cardiovascular	73
187	Irritable colon	5641	364100	MN	Gastrointestinal	42
188	Carbuncle and furuncle of hand	6804	6501	MN	Integumentary	37
189	Unspecified osteochondropathy	7329	11398	MN	Musculoskeletal	37
190	Other specified menopausal and postme...	6278	54628	MN	Reproductive.Female	43
192	Personal history of malignant neoplas...	V103	39221	EC	Reproductive.Female	53
193	Postmenopausal atrophic vaginitis	6273	131700	MN	Reproductive.Female	31
194	Congestive heart failure	4280	746334	MN	Cardiovascular	85
195	Renal colic	7880	35860	MN	Nephrologic	60
197	Unspecified viral hepatitis C w/o hepatic coma	7070	212175	MN	Gastrointestinal	69
198	Opn wound of knee/leg [except thigh]/...	8910	167820	MN	Integumentary	47
200	Personal history of alcoholism	V113	3185	MN	Psychogenic	54
201	Personal history of other mental diso...	V118	7355	MN	Psychogenic	44
202	Other specified hypotension	4588	29644	MN	Cardiovascular	60
204	Enthesopathy of elbow, unspecified	72630	4201	MN	Musculoskeletal	24
205	Aphasia	7843	44536	MN	Neurologic	66
206	Unspecified vertiginous syndromes and...	3869	24223	EC	Neurologic	52
207	Corns and callosities	700	94364	MN	Integumentary	11
208	Malignant neoplasm of upper lobe, bro...	1623	32442	MN	Respiratory	85
209	Respiratory abnormality, unspecified	78600	93612	MN	Respiratory	37
210	Contracture of palmar fascia	7286	19314	MN	Musculoskeletal	27
211	Unspecif nonpsychotic mentl disordr f...	3109	28430	MN	Psychogenic	49
212	Dysphonia	78442	73951	EC	Respiratory	50
213	Synovitis and tenosynovitis, unspecified	72700	97397	MN	Musculoskeletal	39
214	Opioid abuse, continuous	30551	150519	MN	Psychogenic	66
215	Legal blindness, as defined in U.S.A.	3694	28430	MN	Special.Sensory	55
216	Malignant neoplasm of kidney, except ...	1890	80925	MN	Nephrologic	85
217	Smoking complicating pregnancy, childbir...	64903	17677	EC	Reproductive.Female	64
218	Osteoarthritis mor thn 1 site, not sp...	71589	37630	MN	Musculoskeletal	39
220	Seborrhea	7063	30911	MN	Integumentary	18

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
221	Pain in limb	7295	2577512	MN	Musculoskeletal	37
223	Other conditions due to chromosome an...	75889	8187	MN	Nonspecific	56
224	Drug withdrawal syndrome	2920	48172	EC	Nonspecific	59
225	Influenza due to ident avian influ virus...	48802	11887	MN	Respiratory	57
226	Other acquired deformities of toe	7358	13628	MN	Musculoskeletal	19
228	Intestinal infection due to E. coli, ...	800	28430	MN	Gastrointestinal	57
229	Antineoplastic chemotherapy induced anemia	2853	3798	MN	Hematologic.Immune	61
230	Flatulence, eructation, and gas pain	7873	64484	MN	Gastrointestinal	21
231	Partial tear of rotator cuff	72613	16002	MN	Musculoskeletal	48
232	Infec/inflam reac due to oth genitour...	99665	27114	EC	Nephrologic	45
233	Pruritus ani	6980	10574	MN	Gastrointestinal	21
234	Other specified anomalies	75989	6228	MN	Nonspecific	34
235	Nonallopathic lesions, cervical region	7391	222095	MN	Musculoskeletal	37
237	Unspecified derangement of joint of o...	71898	14372	MN	Musculoskeletal	42
238	Keratoderma, acquired	7011	51718	MN	Integumentary	24
239	Rheumatoid arthritis	7140	480534	MN	Musculoskeletal	61
240	Unspec hypertensive renal disease w/o...	40390	174204	EC	Nephrologic	61
241	Personal history of other specified diseases	V1389	8368	MN	Nonspecific	33
242	Restless legs syndrome (RLS)	33394	391944	MN	Neurologic	41
243	Polyneuropathy due to other toxic agents	3577	3798	MN	Neurologic	57
244	Major depressive disorder, single epi...	29621	3185	MN	Psychogenic	61
245	Impaired fasting glucose	79021	316804	MN	Endocrine	50
246	Symptomatic inflammatory myopathy in ...	3596	15811	MN	Musculoskeletal	50
247	Adjustment reaction with mixed emotio...	30928	86650	MN	Psychogenic	48
248	Other specified disorders of eye and ...	3798	8286	MN	Special.Sensory	37
249	Closed fracture of phalanx or phalang...	81600	64001	MN	Musculoskeletal	45
250	Fracture of unspecified bone, closed	8290	65368	MN	Musculoskeletal	44
251	Unspecified disorder of ear	3889	4159	MN	Special.Sensory	37
252	Spontaneous ecchymoses	7827	50277	MN	Hematologic.Immune	45
254	Unspecified hemorrhoids with other co...	4558	46622	EC	Gastrointestinal	39
255	Anemia in neoplastic disease	28522	14090	MN	Hematologic.Immune	61
256	Contusion of wrist	92321	58646	MN	Musculoskeletal	18
257	Stress fracture of the metatarsals	73394	23928	MN	Musculoskeletal	48
258	Sprains and strains of unspecified site	84200	183770	MN	Musculoskeletal	29
259	Cervicalgia	7231	2434661	MN	Musculoskeletal	41
260	Unspecified disorder of skin and subc...	7099	665025	MN	Integumentary	29
261	Pain in joint of multiple sites	71949	308857	MN	Musculoskeletal	43
262	Unspecified menopausal and postmenopa...	6279	24179	MN	Reproductive.Female	39
263	Postconcussion syndrome	3102	120675	MN	Neurologic	66
264	Prophylac vacc/inoc agnst diphtheria...	V063	5656	EC	Nonspecific	44
265	Contusion of foot	92420	246141	MN	Musculoskeletal	18
266	Neoplasms of unspecified nature breast	2393	4074	EC	Reproductive.Female	66
267	Other cellulitis and abscess of neck	6821	33857	MN	Integumentary	52
268	Other specified endocrine disorders	2598	46806	MN	Endocrine	42
270	Open wound of ear, part unspecif, w/o...	8728	28430	EC	Special.Sensory	36
271	Malignant neoplasm of bronchus and lu...	1629	122609	MN	Respiratory	85
272	Body Mass Index 45.0 to 49.9, adult	V8542	37630	EC	Nonspecific	64
273	Arthropathy, unspecified, hand	71694	11812	MN	Musculoskeletal	36

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
274	Functional disturbances following car...	4294	28430	EC	Nonspecific	45
275	Unspecified polyarthropathy or polyar...	71659	19803	MN	Musculoskeletal	48
276	Personal history of peptic ulcer disease	V1271	27114	MN	Gastrointestinal	39
278	Background diabetic retinopathy	36201	23065	EC	Special.Sensory	57
280	Tibialis tendinitis	72672	5126	MN	Musculoskeletal	29
281	Unspecified schizophrenia, unspecified	29590	148188	MN	Psychogenic	64
282	Other reasons for seeking consultation	V658	44018	MN	Nonspecific	34
283	Malignant neoplasm of biliary tract, ...	1569	4511	MN	Gastrointestinal	79
284	Other specified open wounds of ocular...	8708	1985	MN	Special.Sensory	64
285	Thoracic intervertebral disc without ...	72211	93612	MN	Musculoskeletal	45
286	Ulcer oth part lower limbs, exc decubitus	70719	3177	MN	Integumentary	41
287	Urinary obstruction, unspecified	59960	29998	EC	Nephrologic	56
288	Attention to gastrostomy	V551	4419	MN	Gastrointestinal	29
289	Other laboratory examination	V7269	420909	MN	Nonspecific	21
290	Onychia and paronychia of toe	68111	29987	MN	Integumentary	27
291	Chronic kidney disease, Stage II(mild)	5852	90415	MN	Nephrologic	41
292	Unspecified organic brain syndrome (c...	2949	82061	MN	Neurologic	59
293	Chronic tension type headache	33912	9344	EC	Neurologic	45
294	Esophageal reflux	53081	4623720	MN	Gastrointestinal	43
295	Transferred to another facility, sent...	V992	68278	MN	Nonspecific	40
296	Nocturnal enuresis	78836	12477	EC	Nephrologic	39
297	Hyperventilation	78601	17572	EC	Respiratory	42
298	Depressive disorder, not elsewhere cl...	311	6011311	MN	Psychogenic	52
299	Pernicious anemia	2810	119671	MN	Hematologic.Immune	52
300	Lyme disease	8881	142347	EC	Nonspecific	64
301	Calculus of ureter	5921	39797	EC	Nephrologic	63
302	Stricture and stenosis of esophagus	5303	8118	MN	Gastrointestinal	58
303	Unspecified chronic bronchitis	4919	53644	MN	Respiratory	51
304	Cholecystitis, unspecified	57510	28061	MN	Gastrointestinal	55
305	Other cellulitis and abscess of leg, ...	6826	413751	MN	Integumentary	49
306	Benign neoplasm of skin of other and ...	2163	92853	MN	Integumentary	20
307	Abnormal involuntary movements	7810	165627	MN	Neurologic	55
308	Examination following other surgery	V6709	215257	MN	Nonspecific	35
309	Cervical incompetence, antepartum con...	65453	15464	MN	Reproductive.Female	60
310	Unequal leg length (acquired)	73681	27114	MN	Musculoskeletal	33
311	Trans-sexualism with unspecified sexu...	30250	5739	EC	Psychogenic	44
312	Meniere's disease, unspecified	38600	62180	MN	Special.Sensory	50
313	Other general symptoms	78099	12457	MN	Nonspecific	26
314	Episodic tension type headache	33911	6501	MN	Neurologic	41
315	Unspecified hereditary and idiopathic...	3569	473502	EC	Neurologic	39
316	Observation for unspecified suspected...	V719	55611	MN	Nonspecific	23
317	Allergic rhinitis cause unspecified	4779	3696363	EC	Respiratory	28
318	Osteoarthritis, generalized, hand	71504	7828	MN	Musculoskeletal	35
320	Benign neoplasm of skin of upper limb...	2166	5656	MN	Integumentary	19
321	Other and unspecified disc disorder, ...	72293	242473	MN	Musculoskeletal	42
322	Sinoatrial node dysfunction	42781	50014	MN	Cardiovascular	66
323	Respiratory failure	51881	16822	MN	Respiratory	92
324	Deviated nasal septum	470	76618	MN	Special.Sensory	28
325	Hypogammaglobulinemia, unspecified	27900	15980	MN	Hematologic.Immune	49
328	Contusion of shoulder region	92300	167031	MN	Musculoskeletal	20

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
329	Chronic pyelonephritis w/o lesion of ...	59000	27114	EC	Nephrologic	64
330	Mallet finger	7361	30920	MN	Musculoskeletal	30
332	Cough	7862	3457527	MN	Respiratory	33
333	Opn wound foot except toe(s) alone w/...	8920	47110	MN	Integumentary	37
334	Labyrinthitis, unspecified	38630	124992	MN	Special.Sensory	44
335	Gastric ulcer unspc acut/chrnc w/o men ...	53190	50137	MN	Gastrointestinal	53
337	Diabetes w/ophthalmic manifestations,...	25052	6652	MN	Endocrine	62
338	Obstruct chronic bronchitis w/out exacer	49120	63126	MN	Respiratory	49
339	Endocarditis, valve unspecified, unsp...	42490	30111	MN	Cardiovascular	83
340	Esophagitis, unspecified	53010	118079	MN	Gastrointestinal	46
341	Other isolated or simple phobias	30029	5234	MN	Psychogenic	42
342	Abrasions or friction burn of finger(s...)	9150	41586	MN	Integumentary	18
343	Phlebitis & thrombophlebitis of super...	4510	32888	EC	Cardiovascular	44
344	Nonallopathic lesions, sacral region	7394	35769	MN	Musculoskeletal	33
345	Other specified drug dependence, unsp...	30460	66059	MN	Psychogenic	53
347	Decubitus ulcer of other site	70709	3591	MN	Integumentary	48
348	Spinal stenosis of cervical region	7230	65423	EC	Neurologic	60
349	Dizziness and giddiness	7804	1369179	EC	Neurologic	49
350	Edema of penis	60783	29644	MN	Reproductive.Male	44
351	Other inflammatory disorders of male ...	6084	3445	MN	Reproductive.Male	45
352	Phlebitis and thrombophlebitis of uns...	4519	55086	EC	Cardiovascular	51
353	Abrasions or friction burn of elbow/fo...	9130	73414	MN	Integumentary	18
354	Exostosis of jaw	52681	17594	MN	Musculoskeletal	33
355	Calculus gallbladder w/o men of chole...	57420	193942	MN	Gastrointestinal	42
356	Poisoning by caffeine	96971	10449	EC	Nonspecific	58
357	Abnormal electrocardiogram [ECG] [EKG]	79431	88267	MN	Cardiovascular	61
358	Acute gingivitis, plaque induced	52300	7643	EC	Special.Sensory	35
359	Keloid scar	7014	25584	MN	Integumentary	14
360	Unspecified disorder of liver	5739	33006	MN	Gastrointestinal	45
361	Generalized and unspecified atheroscl...	4409	74939	MN	Cardiovascular	58
362	Disorders of magnesium metabolism	2752	14372	EC	Nonspecific	45
363	Traumat amputat ot fingr(s) (complet)...	8860	28430	MN	Musculoskeletal	60
364	Uric acid nephrolithiasis	27411	2838	MN	Nephrologic	55
365	Personal history of methicillin resist staph aureus	V1204	10574	EC	Integumentary	42
367	Unspecified disorder of autonomic ner...	3379	3298	MN	Neurologic	50
368	Other specified disorders of joint, p...	71985	9344	MN	Musculoskeletal	35
370	Opn wound(s) (multiple) of unspec sit...	8798	174642	MN	Integumentary	38
371	Other specified disorders of shoulder	72619	46806	MN	Musculoskeletal	38
372	Malignant neoplasm of ill-defined sit...	1499	29838	MN	Nonspecific	80
373	Displacement of cervical intervertebr...	7220	359692	MN	Musculoskeletal	67
374	Personal history of tobacco use	V1582	40258	EC	Nonspecific	58
375	External thrombosed hemorrhoids	4554	26103	MN	Gastrointestinal	44
376	Clos fract dorsl [thoracic] vertebrae...	8052	33635	MN	Musculoskeletal	58
377	Other disorders of external ear	38089	13383	MN	Special.Sensory	30
378	Other cellulitis and abscess of upper...	6823	83116	MN	Integumentary	46
379	Dyshidrosis	70581	46183	MN	Integumentary	23
380	Glycosuria	7915	12081	MN	Endocrine	55
382	Arthralgia of temporomandibular joint	52462	46806	MN	Musculoskeletal	42
384	Unspecified disorders of pituitary gland	2539	48202	MN	Endocrine	55

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
385	Insect bite of hip/thigh/leg/ankle, n...	9164	49646	MN	Integumentary	18
386	Late effect of certain complications ...	9086	13439	MN	Nonspecific	43
388	Dyspareunia	6250	9703	MN	Reproductive.Female	43
389	Unspecified osteomyelitis of ankle an...	73027	9657	MN	Musculoskeletal	70
390	Chalazion	3732	27114	EC	Special.Sensory	28
391	Clos fracture of unspecified, w/o men...	8058	95777	MN	Musculoskeletal	53
392	Closed fracture of multiple ribs, uns...	80709	14771	MN	Musculoskeletal	51
393	Exercise counseling	V6541	51119	EC	Nonspecific	40
394	Stiffness of joint of hand, not elsew...	71954	3177	MN	Musculoskeletal	25
395	Chronic gingivitis, plaque induced	52310	16822	EC	Special.Sensory	27
397	Other disorders of muscle, ligament, ...	72889	7691	MN	Musculoskeletal	33
398	Abnormal weight gain	7831	451042	EC	Nonspecific	53
400	Other abnormal glucose	79029	631335	MN	Endocrine	48
402	Prophylactic vaccinatn/inoculatn agns...	V058	70633	MN	Population.based.Care	56
403	Acute prostatitis	6010	23164	MN	Reproductive.Male	50
404	Nonallopathic lesions, pelvic region	7395	51760	MN	Musculoskeletal	24
405	Cognitive deficits	4380	7828	MN	Neurologic	60
406	Other alteration of consciousness	78009	82582	MN	Neurologic	68
407	Contraceptive pill	V2541	20879	MN	Reproductive.Female	54
408	Enuresis	3076	28430	EC	Nephrologic	47
410	Osteoarthritis, local, not spec prim/...	71536	45577	MN	Musculoskeletal	31
411	Obstructive sleep apnea(adult)(pediatric	32723	852029	MN	Respiratory	60
412	Scabies	1330	250339	MN	Integumentary	33
414	Abdominal tenderness, epigastric	78966	18558	MN	Gastrointestinal	54
415	Sprains and strains of supraspinatus ...	8406	10904	MN	Musculoskeletal	29
416	Unspecified diffuse connective tissue...	7109	69171	MN	Musculoskeletal	42
418	Duodenitis without mention of obstruc...	53560	1522	MN	Gastrointestinal	48
419	Sleep disturbance, unspecified	78050	373889	MN	Psychogenic	40
420	Abnormal findings in stool contents	7921	14372	MN	Gastrointestinal	33
421	Disruption of external operation wound...	99832	4498	MN	Integumentary	46
422	Contracture of joint of shoulder region	71841	10449	MN	Musculoskeletal	44
423	Fitting and adjustment of urinary dev...	V536	11706	EC	Nephrologic	33
424	Diabetes mellitus w/o complication, t...	25002	597071	MN	Endocrine	67
425	Muscle weakness	72887	138874	EC	Musculoskeletal	56
428	Unspecified disorder of penis	6079	14334	MN	Reproductive.Male	35
429	Acute pyelonephritis without lesion o...	59010	55543	MN	Nephrologic	65
431	Adjustment reaction with anxious mood	30924	64936	MN	Psychogenic	50
432	Acute tracheitis with obstruction	46411	18558	MN	Respiratory	72
433	Unspecified immunity deficiency	2793	8004	MN	Hematologic.Immune	56
434	Other specified disorders of female geni...	62989	27169	MN	Reproductive.Female	46
435	Unspecified musculoskeletal disorders...	7239	95519	MN	Musculoskeletal	29
436	Abnormal kidney function study	7944	42955	MN	Nephrologic	51
437	Unspecified vascular insufficiency of...	5579	17594	MN	Cardiovascular	53
438	Oral aphthae of the oral soft tissues	5282	31214	EC	Special.Sensory	27
439	Sprains and strains of unspecified si...	8409	434024	MN	Musculoskeletal	23
440	Pap smear cerv/w atypic squamous cells of undeter significance	79501	37630	MN	Reproductive.Female	54
441	Enthesopathy of hip region	7265	357003	MN	Musculoskeletal	33
442	Spasmodic torticollis	33383	12309	MN	Musculoskeletal	46
443	Psychogenic pain, site unspecified	30780	8838	MN	Psychogenic	48

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
444	Observation for other spec susp condit..	V7189	192375	MN	Nonspecific	27
445	Cystocele, midline	61801	35921	EC	Nephrologic	43
446	Other acquired absence of organ	V4579	42587	MN	Nonspecific	27
447	Degeneration of lumbar or lumbosacral...	72252	525041	MN	Musculoskeletal	48
448	Closed fracture of sternum	8072	43951	MN	Musculoskeletal	50
449	Obstruction of Eustachian tube, unspe...	38160	46806	MN	Special.Sensory	35
450	Hydronephrosis	591	27114	MN	Nephrologic	67
451	Lesion of plantar nerve	3556	38632	MN	Neurologic	38
452	Prostatitis, unspecified	6019	184973	MN	Reproductive.Male	50
453	Other acne	7061	739842	MN	Integumentary	35
455	Other specified disorders of liver	5738	33530	MN	Gastrointestinal	46
456	Elevated prostate specific antigen [PSA]	79093	121841	MN	Reproductive.Male	50
457	Postmenopausal hormone replacement th...	V074	60150	MN	Reproductive.Female	44
458	Unspecified cause	6929	1926987	MN	Nonspecific	17
460	Aortic valve disorders	4241	125626	MN	Cardiovascular	67
461	Idiopath normal pressure hydroceph (INPH)	3315	6973	MN	Neurologic	60
462	Nontoxic multinodular goiter	2411	8265	MN	Endocrine	48
463	Rectal prolapse	5691	24095	MN	Gastrointestinal	52
464	Sprains and strains of cruciate ligam...	8442	20484	MN	Musculoskeletal	42
465	Other lymphatic and hematopoietic tissues	23989	13045	MN	Hematologic.Immune	42
466	Closed dislocation of interphalangeal...	83402	16202	MN	Musculoskeletal	48
467	Previous cesarean delivery, del w or ...	65421	11942	MN	Reproductive.Female	39
468	Urinary frequency	78841	509208	EC	Nephrologic	52
469	Early satiety	78094	18233	MN	Gastrointestinal	46
471	Epilepsy, unspecified without mention...	34590	384770	MN	Neurologic	69
472	Unspecified visual disturbance	3689	96070	MN	Special.Sensory	58
473	Venous embolism and thrombosis of unspec	45340	420827	MN	Cardiovascular	75
474	Balanoposthitis	6071	27114	MN	Reproductive.Male	44
477	Secondary cardiomyopathy, unspecified	4259	4014	MN	Cardiovascular	67
478	Complications of transplanted organ, ...	99680	28430	MN	Nonspecific	62
480	Other specified rehabilitation procedure	V5789	8459	MN	Nonspecific	32
481	Acute poliomyelitis, unspecified poli...	4590	27114	EC	Neurologic	65
482	Psoriatic arthropathy	6960	11643	MN	Musculoskeletal	52
483	Unspecified extrapyramidal disease an...	33390	3746	EC	Neurologic	53
484	Unspecified disorder of lipoid metabo...	2729	163937	EC	Cardiovascular	50
485	Toxic effect of venom	9895	101181	MN	Nonspecific	56
486	Other anomalies of larynx, trachea, a...	7483	3498	EC	Respiratory	44
488	Predominant disturbance of emotions	3080	18061	MN	Psychogenic	38
489	Pulmonary valve disorders	4243	3897	MN	Cardiovascular	58
492	Other aneurysm of unspecified site	4429	10732	MN	Cardiovascular	65
493	Unspecified cerebrovascular disease	4379	46261	EC	Neurologic	65
494	Other specified retention of urine	78829	12312	EC	Nephrologic	50
496	Other testicular hypofunction	2572	999048	MN	Reproductive.Male	44
499	Hemangioma of unspecified site	22800	27085	MN	Integumentary	24
500	Malignant neoplasm of esophagus, unsp...	1509	22518	MN	Gastrointestinal	72
501	Sprains and strains of unspecified site	84210	68227	MN	Musculoskeletal	33
503	Dehydration	27651	81224	EC	Nonspecific	59
504	Chronic laryngotracheitis	4761	11161	MN	Respiratory	44
505	Open wound of scalp, without mention ...	8730	53708	MN	Integumentary	35

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
506	Insect bite of hip, thigh, leg, and a...	9165	14888	MN	Integumentary	24
507	Unspecified adverse effect of unspecific...	99520	91428	MN	Nonspecific	33
508	Other and unspecified sleep apnea	78057	710888	MN	Respiratory	56
509	Other unknown and unspecified cause o...	7999	22753	MN	Nonspecific	29
511	Anal fissure	5650	27616	MN	Gastrointestinal	39
512	Viral labyrinthitis	38635	40088	MN	Special.Sensory	40
513	Cardiovascular disease, unspecified	4292	15955	MN	Cardiovascular	52
514	Malignant neoplasm of uterus, part un...	179	27114	MN	Reproductive.Female	72
515	Personal history of other malignant n...	V1083	37630	EC	Integumentary	60
516	Hyperplasia of prostate, unsp w/o uri...	60090	28811	MN	Reproductive.Male	37
517	Abnormal coagulation profile	79092	17594	MN	Hematologic.Immune	56
518	Oth spec infec/parasit dis, antepartu...	64783	5008	MN	Reproductive.Female	54
519	Fussy infant (baby)	78091	8449	EC	Nonspecific	37
520	Pain in joint of forearm	71943	288591	MN	Musculoskeletal	35
521	Chills (without fever)	78064	70662	MN	Nonspecific	41
522	Malignant neoplasm of rectum	1541	2491	MN	Gastrointestinal	79
523	Knee, leg, ankle, and foot injury, ot...	9597	131066	MN	Musculoskeletal	40
524	Cramp	72982	228802	MN	Musculoskeletal	27
525	Pes anserinus tendinitis or bursitis	72661	5159	MN	Musculoskeletal	40
526	Intermediate coronary syndrome	4111	1522	MN	Cardiovascular	69
529	Clos skl frce w/o mention intracrm inj...	80300	37630	EC	Musculoskeletal	56
530	Other cellulitis and abscess of trunk	6822	140047	MN	Integumentary	45
531	Nonallopathic lesions, rib cage	7398	10432	MN	Musculoskeletal	36
532	Osteoarthritis, generalized, multiple...	71509	81405	MN	Musculoskeletal	45
533	Personal history oth genital sys and obstetric di...	V1329	27114	MN	Reproductive.Female	29
534	Prophylactic vaccination/inoculation ...	V045	46806	MN	Population_based.Care	56
535	Oth abnor findgs on radio exam breast...	79389	53367	EC	Reproductive.Female	62
536	Spondylosis of unspecified site witho...	72190	49194	MN	Musculoskeletal	34
537	Other acute postoperative pain	33818	75630	MN	Nonspecific	45
538	Diverticulitis of colon (without ment...)	56211	370521	MN	Gastrointestinal	69
539	Bipolar affective disorder, depressed...	29650	48712	MN	Psychogenic	63
540	Blister of trunk without mention of i...	9112	1830	MN	Integumentary	18
541	Nonallopathic lesions, lower extremities	7396	12309	MN	Musculoskeletal	33
543	Sprains and strains of unspecified si...	8479	174720	MN	Musculoskeletal	30
544	Amblyopia, unspecified	36800	3453	MN	Special.Sensory	47
545	Hypertonicity of bladder	59651	154116	EC	Nephrologic	43
546	Other specified disorders of thyroid	2468	11533	MN	Endocrine	51
548	Pain in joint of ankle and foot	71947	659552	MN	Musculoskeletal	34
549	Vascular disorders of penis	60782	27114	MN	Reproductive.Male	45
551	Obstructive hydrocephalus	3314	9554	MN	Neurologic	78
552	Degeneration of intervertebral disc, ...	7226	595663	MN	Musculoskeletal	53
553	Osteoarthritis, unspc generalized or...	71596	487109	MN	Musculoskeletal	45
554	Tietze's disease	7336	215211	MN	Musculoskeletal	31
555	Other cardiac dysrhythmias	42789	213963	MN	Cardiovascular	66
556	Heart valve replacement	V433	21475	MN	Cardiovascular	58
557	Conjunctivitis, unspecified	37230	482456	MN	Special.Sensory	33
558	Malignant neoplasm of liver/not speci...	1552	12176	MN	Gastrointestinal	69
559	Talipes, unspecified	75470	17594	MN	Musculoskeletal	46

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
560	Universal ulcerative (chronic) colitis	5566	12647	MN	Gastrointestinal	71
561	Dermatophytosis of foot	1104	187862	MN	Integumentary	21
562	Lichenification and lichen simplex ch...	6983	73686	MN	Integumentary	28
563	Pulmonary tuberculosis, unspecified	1190	13006	MN	Respiratory	74
564	Viral warts, unspecified	7810	466770	MN	Integumentary	19
565	Open wound of forehead	87342	15899	MN	Integumentary	39
566	Arthropathy, unspecified, pelvic regi...	71695	30677	MN	Musculoskeletal	41
567	Disuse osteoporosis	73303	5234	MN	Musculoskeletal	47
568	Chronic migraine without aura, without..	34670	39619	MN	Neurologic	56
569	Personal history of pulmonary embolism	V1255	48534	EC	Cardiovascular	62
570	Candidiasis of mouth	1120	168454	EC	Special.Sensory	24
571	Attention deficit disorder with hyper...	31401	1320982	MN	Psychogenic	51
572	Secondary diabetes mellitus w/o comp...	24900	5656	MN	Endocrine	66
573	Mononeuritis of upper limb	3549	46220	MN	Neurologic	49
574	Calcaneal spur	72673	50741	MN	Musculoskeletal	23
575	Arthropathy, unspecified, ankle and foot	71697	11942	MN	Musculoskeletal	30
576	Chronic interstitial cystitis	5951	5656	EC	Nephrologic	47
577	Osteodystrophy, unspecified	75650	46806	MN	Musculoskeletal	37
578	Acute pharyngitis	462	3546180	EC	Respiratory	38
580	Opioid abuse, unspecified	30550	151346	MN	Psychogenic	60
581	Chronic fatigue syndrome	78071	77434	EC	Nonspecific	47
582	Hemorrhage of rectum and anus	5693	213065	MN	Gastrointestinal	66
583	Degeneration of cervical intervertebr...	7224	184179	MN	Musculoskeletal	47
584	Unspecified dermatitis due to sun	69270	4533	MN	Integumentary	26
585	Personal history of urinary calculi	V1301	29681	EC	Nephrologic	39
586	Alcohol abuse, episodic	30502	21003	EC	Psychogenic	60
587	Chronic obstructive asthma without me...	49320	172201	MN	Respiratory	60
588	Acute myocard infarc of oth anter wal...	41011	1522	MN	Cardiovascular	93
589	Unspecified disorder of joint, lower leg	71996	7445	MN	Musculoskeletal	30
590	Altered mental status	78097	47340	MN	Neurologic	78
591	Unspecified degree burn of face and h...	94100	17572	MN	Integumentary	58
592	Special screening for nephropathy	V815	32834	MN	Nephrologic	39
593	Closed fracture of unspecified part o...	82381	17421	MN	Musculoskeletal	48
595	Meralgia paresthetica	3551	16622	MN	Neurologic	39
596	Other symptoms involving skin and int...	7829	58488	MN	Integumentary	24
597	Carbuncle and furuncle of face	6800	9009	MN	Integumentary	37
598	Open wound of forearm, without mentio...	88100	39688	MN	Integumentary	39
599	Other specified disorders of nervous ...	34989	17380	MN	Neurologic	47
600	Nonspecific abnormal toxicological fi...	7960	54741	MN	Nonspecific	42
601	Personal history of colonic polyps	V1272	48636	MN	Gastrointestinal	50
602	Unspecified disorder of thyroid	2469	344713	MN	Endocrine	50
604	Pilonidal cyst without mention of abs...	6851	62962	MN	Integumentary	38
605	Thyrototoxicosis with toxic diffuse goi...	24200	55543	MN	Endocrine	76
606	Bacterial pneumonia unspecified	4829	105746	MN	Respiratory	76
607	Paranoid type of schizophrenic disord...	29530	6911	MN	Psychogenic	65
608	Proteinuria	7910	91740	MN	Nephrologic	52
609	Unspecified genital prolapse	6189	15464	MN	Reproductive.Female	46
610	Factitious illness with psychological...	30016	12477	MN	Psychogenic	42
611	Calculus of kidney	5920	364745	MN	Nephrologic	57
612	Other disorders of bone and cartilage	73399	16639	MN	Musculoskeletal	40

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
613	Chondromalacia of patella	7177	31707	MN	Musculoskeletal	34
614	Abscess of anal and rectal regions	566	3746	MN	Gastrointestinal	61
615	Other specified disorders of rectum a...	56949	37648	MN	Gastrointestinal	42
616	Unspecified hemorrhoids without menti...	4556	219386	MN	Gastrointestinal	38
617	Other symptoms referable to back	7248	218010	MN	Musculoskeletal	34
618	Neurotic depression	3004	754576	MN	Psychogenic	52
619	Sprains and strains of unspecified si...	8439	22259	MN	Musculoskeletal	29
620	Methicillin resistant Staphylococcus aureus	4112	87685	EC	Integumentary	65
621	Infectious mononucleosis	75	17824	EC	Hematologic.Immune	48
622	Other peripheral vertigo	38619	14219	EC	Neurologic	44
623	Other high-risk pregnancy	V2389	342236	MN	Reproductive.Female	65
624	Special screening for hypertension	V811	128680	MN	Cardiovascular	52
625	Other spec early childhood psychoses,...	29980	8103	MN	Psychogenic	61
626	Phlebitis & thrombophlebitis of oth d...	45119	33104	MN	Cardiovascular	50
628	Unspecified open wound of eyeball	8719	24878	MN	Special.Sensory	72
629	Closed fracture of ulna (alone)	81382	16617	MN	Musculoskeletal	54
630	Lesion of ulnar nerve	3542	36121	MN	Neurologic	54
631	Hypertrophy (benign) prostate w/o uri...	60000	516532	MN	Reproductive.Male	44
632	Neoplasm of uncertain behavior of testis	2364	3798	MN	Reproductive.Male	72
633	Poisoning by other	96509	5697	MN	Nonspecific	70
635	Diabetes w/neurological manifestation...	25062	101985	MN	Endocrine	65
636	Closed fracture of radius (alone)	81381	57919	MN	Musculoskeletal	54
637	Coronary atherosclerosis of native co...	41401	195986	MN	Cardiovascular	76
638	Pyelonephritis, unspecified	59080	102794	MN	Nephrologic	70
640	Abrasions or friction burn of hip/thig...	9161	8936	MN	Integumentary	17
641	Insect bite of elbow/forearm/wrist, n...	9134	29644	MN	Integumentary	17
642	Acute tonsillitis	463	369522	EC	Respiratory	42
644	Presbyacusis	38801	4738	MN	Special.Sensory	42
645	Arthropathy, unspecified, shoulder re...	71691	5798	MN	Musculoskeletal	34
646	Conjunctival hemorrhage	37272	31876	MN	Special.Sensory	29
647	Abnormal mammogram, unspecified	79380	18849	EC	Reproductive.Female	59
648	Redundant prepuce and phimosis	605	7136	MN	Reproductive.Male	40
649	Urticaria, unspecified	7089	236512	EC	Integumentary	48
650	Nonspec elevatn of transaminase or la...	7904	108010	MN	Gastrointestinal	44
652	Systolic heart failure, unspecified	42820	52634	MN	Cardiovascular	72
653	Chronic kidney disease, stage IV(severe)	5854	8698	MN	Nephrologic	79
654	Other specified conditions influencin...	V4989	28430	MN	Nonspecific	29
655	Other symptoms referable to joint of ...	71962	1766	MN	Musculoskeletal	25
656	Renal dialysis status	V4511	28430	MN	Nephrologic	72
657	Other specified forms of chronic isch...	4148	48261	MN	Cardiovascular	60
658	Bipolar affective disorder, mixed, un...	29660	10334	MN	Psychogenic	55
660	Major depressive disorder, single epi...	29626	17148	MN	Psychogenic	61
662	Special screening for lipid disorders	V7791	62054	EC	Cardiovascular	38
663	Unspecified degree burn of single dig...	94401	28299	MN	Integumentary	32
664	Edema of male genital organs	60886	46806	MN	Reproductive.Male	40
665	Periapical abscess without sinus	5225	127660	EC	Special.Sensory	51
666	Sprains and strains of unspecified site	84840	11398	MN	Musculoskeletal	27
667	Specl screeng for oth/unspc endocr/nu...	V7799	70272	MN	Endocrine	27
668	Personal history other diseases circulatory systm	V1259	132275	EC	Cardiovascular	44

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
669	Disorders of psychosexual identity	3026	16399	MN	Psychogenic	44
670	Suicidal ideation	V6284	4802	MN	Psychogenic	85
671	Absence of menstruation	6260	149292	MN	Reproductive.Female	48
672	Acute pancreatitis	5770	195740	MN	Gastrointestinal	72
673	Malignant neoplasm of colon, unspecified	1539	51436	MN	Gastrointestinal	94
674	Other acute otitis externa	38022	9554	MN	Special.Sensory	36
675	Other specified diseases of blood and...	28989	52405	MN	Hematologic.Immune	48
676	Localized superficial swelling, mass,...	7822	209811	EC	Integumentary	34
677	Other complicated headache syndrome	33944	9639	MN	Neurologic	54
678	Varicos vein of lowr extremities w/ou...	4549	133786	MN	Cardiovascular	27
679	Thyroid dysfunction, antepartum condit...	64813	37666	MN	Endocrine	52
680	Mittelschmerz	6252	3535	MN	Reproductive.Female	32
683	Debility, unspecified	7993	58074	MN	Nonspecific	41
684	Thyroiditis, unspecified	2459	50481	MN	Endocrine	54
685	Unspecified personality disorder	3019	14577	MN	Psychogenic	48
687	Macular degeneration (senile), unspec...	36250	11161	MN	Special.Sensory	50
688	Clx fr cervcl vertebra, w/o ment sp...	80500	37630	MN	Musculoskeletal	70
689	Unspecified sinusitis (chronic)	4739	3613552	EC	Respiratory	40
690	Mild mental retardation	317	2875	MN	Neurologic	44
691	Diabetes mellitus w/o complication, t...	25000	11939976	MN	Endocrine	65
692	Sprains and strains of unspecified si...	8419	53133	MN	Musculoskeletal	27
693	Gross hematuria	59971	5494	EC	Nephrologic	67
694	Juvenile osteochondrosis of foot	7325	43428	MN	Musculoskeletal	38
695	Orbital edema or congestion	37633	43115	MN	Special.Sensory	50
696	Sprains and strains of other spec sit...	8408	94200	MN	Musculoskeletal	32
697	Abnormal reflex	7961	14199	MN	Neurologic	44
698	Apnea	78603	20804	MN	Respiratory	67
699	Abnormal thyroid function study	7945	39963	MN	Endocrine	50
700	Blepharoconjunctivitis, unspecified	37220	17594	MN	Special.Sensory	36
702	Prophylactic vaccinatn/inoculatn agns...	V0382	38087	MN	Population_based.Care	53
703	Encounter for change or removal of surgi...	V5831	15749	MN	Nonspecific	28
704	Dissection of coronary artery	41412	5889	MN	Cardiovascular	94
705	Other diseases of pharynx, not elsewh...	47829	29838	EC	Respiratory	38
706	Other syndromes affecting cervical re...	7238	45204	MN	Musculoskeletal	36
707	Senile dementia, uncomplicated	2900	94175	MN	Neurologic	59
708	Herpetic whitlow	546	14219	MN	Integumentary	38
709	Spasm of muscle	72885	906368	MN	Musculoskeletal	24
710	Pneumococcal pneumonia [Streptococcus...]	481	12770	MN	Respiratory	74
711	Thoracic or lumbosacral neuritis or r...	7244	861707	MN	Neurologic	51
712	Benign neoplasm of pituitary gland/cr...	2273	5159	MN	Endocrine	48
713	Iatrogenic pituitary disorders	2537	7818	MN	Endocrine	51
714	Cytomegaloviral disease	785	9344	EC	Nonspecific	49
715	Dermatophytosis of scalp and beard	1100	20697	MN	Integumentary	28
716	Major depressive disorder, single epi...	29620	479762	MN	Psychogenic	57
717	Alcoholic fatty liver	5710	3466	MN	Gastrointestinal	51
718	Inflamed seborrheic keratosis	70211	50564	MN	Integumentary	26
719	Adult failure to thrive	7837	91295	MN	Nonspecific	67
720	Malignant neoplasm of pharynx, unspec...	1490	14643	EC	Respiratory	71
721	Dermatomycosis, unspecified	1119	56859	MN	Integumentary	26

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
722	Tinnitus, unspecified	38830	64334	MN	Special.Sensory	36
723	Impairment level not further specified	36900	17492	MN	Nonspecific	34
724	Acute dermatitis due to solar radiation	69272	20608	MN	Integumentary	26
725	Routine general medical examination a...	V700	9944857	EC	Patient-based.Systems	49
726	Monoclonal paraproteinemia	2731	3798	MN	Hematologic.Immune	49
727	Diabetes w/neurological manifestation...	25060	431742	MN	Endocrine	63
728	Personal history of other dis respirat system	V1269	86164	MN	Respiratory	42
729	Painful respiration	78652	127218	MN	Respiratory	51
730	Pap smear cerv w/low grade squamous intraepithelial lesion	79503	6501	MN	Reproductive.Female	55
731	Pep ulcr unsp act/chrn w/o men hem/pe...	53390	128600	MN	Gastrointestinal	55
732	Bullous myringitis	38401	16002	MN	Special.Sensory	46
733	Abdominal pain, other specified site	78909	309123	MN	Gastrointestinal	48
734	Elevated blood pressure reading w/o d...	7962	1179330	MN	Cardiovascular	49
735	Pleurisy w/effusion, w/mention of a b...	5111	3824	MN	Respiratory	61
736	Gouty arthropathy, unspecified	27400	68396	MN	Musculoskeletal	49
737	Open wound of finger(s), without ment...	8830	176306	EC	Integumentary	38
738	Neoplasm of uncertain behavior of pol...	2384	46543	EC	Hematologic.Immune	65
739	Nonallopathic lesions, lumbar region	7393	264795	MN	Musculoskeletal	36
740	Calcifying tendinitis of shoulder	72611	52409	MN	Musculoskeletal	38
742	Otalgia, unspecified	38870	842767	MN	Special.Sensory	28
743	Unspec complic of pregnancy antepartu...	64693	3406	MN	Reproductive.Female	53
744	Jaundice, unspecified, not of newborn	7824	45649	MN	Gastrointestinal	59
745	Pediculus capitis [head louse]	1320	32871	MN	Integumentary	28
746	Insect bite of oth/multipl/unspec sit...	9194	245935	MN	Integumentary	19
747	Other joint derangement of shoulder r...	71881	1807	MN	Musculoskeletal	34
748	Bicipital tenosynovitis	72612	61441	MN	Musculoskeletal	36
749	Amyotrophic lateral sclerosis	33520	55010	MN	Neurologic	71
750	Prostatitis in diseases classified el...	6014	17572	MN	Reproductive.Male	50
751	Anal spasm	5646	9554	MN	Gastrointestinal	26
752	Personal history of other endocrine, metab...	V1229	28091	MN	Endocrine	32
754	Gastroparesis	5363	38476	MN	Gastrointestinal	48
755	Disturbance of salivary secretion	5277	58632	EC	Special.Sensory	38
756	Wheezing	78607	290421	MN	Respiratory	57
757	Cirrhosis of liver without mention of...	5715	83816	MN	Gastrointestinal	67
758	Bariatric surgery status complic preg...	64923	3498	EC	Reproductive.Female	53
759	Other and unspecified parts, without ...	8748	15474	EC	Integumentary	26
760	Microscopic hematuria	59972	66237	MN	Nephrologic	51
761	Spotting complicating pregnancy, childbir..	64953	14917	MN	Reproductive.Female	53
762	Lymphadenitis, unspecified, except me...	2893	89252	EC	Hematologic.Immune	42
763	Other cellulitis and abscess of other...	6828	7437	MN	Integumentary	51
765	Hemoperitoneum (nontraumatic)	56881	5268	EC	Gastrointestinal	65
766	Boutonniere deformity of finger	73621	2491	MN	Musculoskeletal	32
767	Pleurisy without mention of effusion ...	5110	3453	MN	Respiratory	48
768	Bunion	7271	52830	MN	Musculoskeletal	22
769	Other urinary incontinence	78839	53015	EC	Nephrologic	46
770	Pain in joint of lower leg	71946	2084138	MN	Musculoskeletal	34
771	Sprains and strains of rotator cuff (...)	8404	137922	MN	Musculoskeletal	36

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
772	Leukocytosis, unspecified	28860	129278	MN	Hematologic.Immune	49
774	Personal history of diseases of blood...	V123	22225	MN	Hematologic.Immune	48
775	Excessive or frequent menstruation	6262	277301	MN	Reproductive.Female	48
776	Other disorders of iron metabolism	27509	1807	MN	Hematologic.Immune	46
777	Open wound of finger(s), complicated	8831	28294	EC	Integumentary	44
778	Inflammatory disease of breast	6110	77861	EC	Reproductive.Female	53
779	Other abnormality of urination	78869	29644	EC	Nephrologic	32
780	Unspecified disorder of joint, should...	71991	24421	MN	Musculoskeletal	32
781	Other conditions of brain	34889	28430	MN	Neurologic	49
782	Congenital insufficiency of aortic valve	7464	7691	MN	Cardiovascular	61
783	Chronic inflamm demyelinating polyneu...	35781	5656	MN	Neurologic	67
784	Dermatophytosis of unspecified site	1109	82877	MN	Integumentary	24
785	Streptococcal sore throat	340	517440	EC	Respiratory	48
786	True post wall infarc of unspc site,...	41090	15223	MN	Cardiovascular	81
787	Carbuncle and furuncle of upper arm a...	6803	13209	MN	Integumentary	28
788	Chronic ulcer of other specified sites	7078	4337	MN	Integumentary	38
789	Excessive crying of infant (baby)	78092	21018	MN	Nonspecific	29
790	Anemia, antepartum condition or compl...	64823	97231	EC	Hematologic.Immune	40
791	Memory loss	78093	243230	MN	Neurologic	61
792	Body Mass Index 28.0 to 28.9, adult	V8524	17572	EC	Nonspecific	30
793	Unspecified psychosis	2989	132447	MN	Psychogenic	61
794	Varicose veins of lower extremities w...	4540	3591	MN	Cardiovascular	30
795	Special screening for ischemic heart ...	V810	6022	MN	Cardiovascular	40
796	Inguinal hernia, w/o obstruc/gangrene...	55090	167592	MN	Gastrointestinal	49
797	Hyperpotassemia	2767	68700	EC	Nonspecific	65
798	Diplopia	3682	32382	MN	Special.Sensory	67
799	Other psoriasis	6961	342308	MN	Integumentary	44
800	Lack of normal physiological devel unsp	78340	35812	EC	Nonspecific	46
801	Other insomnia	78052	3069106	EC	Psychogenic	41
802	Diabetes with other coma, type II, un...	25032	14875	MN	Endocrine	96
803	Fever and oth physio disturb of temp regu	78060	709681	MN	Nonspecific	48
804	Primary exertional headache	33984	1830	MN	Neurologic	48
805	Asthma, unspecified without mention o...	49390	3049441	MN	Respiratory	60
806	Suppurative labyrinthitis	38633	27114	MN	Special.Sensory	57
807	Laryngeal spasm	47875	64743	EC	Respiratory	53
808	Unspecified breast disorder	6119	3244	EC	Reproductive.Female	37
809	Other disorders of male genital organs	60889	7537	MN	Reproductive.Male	34
810	Actinic keratosis	7020	317644	MN	Integumentary	32
811	Concussion with no loss of consciousness	8500	1672	MN	Neurologic	53
812	Other and unspecified mycoses	1179	32323	MN	Integumentary	22
814	Redness or discharge of eye	37993	37630	MN	Special.Sensory	37
815	Syncope and collapse	7802	395926	EC	Neurologic	74
816	Blisters, epidermal loss [2nd degree]...	94520	37630	MN	Integumentary	37
817	Acute atopic conjunctivitis	37205	62110	MN	Special.Sensory	34
818	Abrasions or friction burn of hand exc...	9140	4041	MN	Integumentary	32
819	Other manic-depressive psychosis	29689	30574	MN	Psychogenic	62
820	Unspecified functional disorder of st...	5369	43545	MN	Gastrointestinal	40
821	Raynaud's syndrome	4430	76298	EC	Cardiovascular	44
822	Visual discomfort	36813	6466	MN	Special.Sensory	41

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
823	Malignant neoplasm of other specified...	1728	3486	EC	Integumentary	66
824	Carrier or suspected carrier of Methicillin resistant Staph...	V0254	10870	EC	Nonspecific	39
825	Unspecified disorder of intestine	5699	6715	MN	Gastrointestinal	34
826	Abdominal pain, right lower quadrant	78903	149805	MN	Gastrointestinal	67
828	Lipoma of other skin and subcutaneous...	2141	61888	MN	Integumentary	18
829	Influenza with other respiratory mani...	4871	702559	MN	Respiratory	53
830	Other specified genital prolapse	61889	17594	MN	Reproductive.Female	39
831	Sprains and strains of acromioclavicu...	8400	6327	MN	Musculoskeletal	37
832	Molluscum contagiosum	780	30648	MN	Integumentary	22
833	Urinary incontinence, unspecified	78830	367895	EC	Nephrologic	41
834	Brief depressive reaction	3090	224988	MN	Psychogenic	48
835	Cardiac dysrhythmia, unspecified	4279	180448	MN	Cardiovascular	64
836	Contusion of hip	92401	23894	MN	Musculoskeletal	32
837	Sickle-cell anemia, unspecified	28260	4599	MN	Hematologic.Immune	55
838	Agoraphobia with panic attacks	30021	14459	MN	Psychogenic	55
839	Cerebral artery occlusion, unspec, w/...	43490	29644	EC	Neurologic	87
840	Unspecified disorder of eyelid	3749	11885	MN	Special.Sensory	29
841	Ganglion of joint	72741	65891	MN	Musculoskeletal	24
842	Unspecified deficiency anemia	2819	28430	MN	Hematologic.Immune	40
844	Aftercare following joint replacement	V5481	60255	MN	Musculoskeletal	37
845	Malignant neoplasm of prostate	185	349067	MN	Reproductive.Male	69
846	Foreign body in ear	931	39283	MN	Special.Sensory	41
847	Psychosexual dysfunction, unspecified	30270	53602	MN	Psychogenic	44
848	Effusion of joint of ankle and foot	71907	40606	MN	Musculoskeletal	44
849	Other speech disturbance	78459	11041	MN	Neurologic	51
850	Dyschromia, unspecified	70900	35838	MN	Integumentary	20
851	Frontal chronic sinusitis	4731	30856	MN	Special.Sensory	39
853	Reflux esophagitis	53011	153516	MN	Gastrointestinal	48
854	Excercise induced bronchospasm	49381	80945	MN	Respiratory	51
855	Other chronic nonalcoholic liver disease	5718	144627	MN	Gastrointestinal	48
857	Diseases of lips	5285	73977	MN	Integumentary	29
858	Other and unspecified disc disorder, ...	72291	56997	MN	Musculoskeletal	39
859	Bipolar affective disorder, unspecified	2967	117815	MN	Psychogenic	60
860	Manic-depressive psychosis, unspecified	29680	540672	MN	Psychogenic	64
862	Chronic kidney disease, unspecified	5859	456096	MN	Nephrologic	57
863	Closed dislocation of hip, unspecified	83500	25425	MN	Musculoskeletal	67
864	Agoraphobia without mention of panic ...	30022	6911	MN	Psychogenic	51
865	Dementia, unspec, w/o behavioral disturbance	29420	459859	MN	Neurologic	60
866	Contusion of chest wall	9221	230003	MN	Musculoskeletal	27
868	Orchitis and epididymitis, unspecified	60490	138769	MN	Reproductive.Male	53
869	Chronic kidney disease, stage V	5855	6783	MN	Nephrologic	72
871	Cyst of Bartholin's gland	6162	10426	MN	Reproductive.Female	37
872	Closed fracture of carpal bone, unspe...	81400	53856	MN	Musculoskeletal	55
874	Irregular menstrual cycle	6264	151578	MN	Reproductive.Female	46
875	Multiple sclerosis	340	213549	EC	Neurologic	64
876	Major depressive disorder, recurrent ...	29636	14219	MN	Psychogenic	62
877	Intrauterine contraceptive device	V2542	51797	MN	Reproductive.Female	41
878	Colitis, enteritis, & gastroenteritis...	91	28430	MN	Gastrointestinal	55

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
879	Counseling on substance use and abuse	V6542	5798	EC	Psychogenic	48
880	Unspecified endocrine disorder	2599	14472	MN	Endocrine	32
882	Synovial cyst of popliteal space	72751	14647	MN	Musculoskeletal	29
883	Phobia, unspecified	30020	14372	MN	Psychogenic	37
884	Closed fracture of base of other meta...	81502	28852	MN	Musculoskeletal	46
885	Other acute pain	33819	124644	MN	Nonspecific	41
886	Other benign neoplasm of site unspeci...	2159	11643	MN	Nonspecific	24
887	Other forms of migraine without menti...	34680	40002	MN	Neurologic	48
888	Unspecif hypertensive heart disease w...	40291	3185	MN	Cardiovascular	64
889	Long-term (current) use of insulin	V5867	177370	MN	Endocrine	60
892	Open wound of wrist, without mention ...	88102	11414	EC	Integumentary	37
893	Nonproliferative diabetic retinopathy...	36203	32442	EC	Special.Sensory	57
894	Other specified local infections of s...	6868	3953	MN	Integumentary	39
895	Unspecified disease of pericardium	4239	28890	MN	Cardiovascular	60
897	Ot/uns intrac hem folow inj w/o men o...	85300	10250	MN	Neurologic	73
898	Attention deficit disorder without me...	31400	1695114	EC	Psychogenic	48
899	Unspecified disorders of nervous system	3499	34726	MN	Neurologic	39
900	Abdominal pain, left lower quadrant	78904	135815	MN	Gastrointestinal	60
901	Unspecified intracranial hemorrhage	4329	27114	MN	Neurologic	95
902	Systolic heart failure, acute	42821	17385	MN	Cardiovascular	96
903	Acquired acanthosis nigricans	7012	28430	MN	Integumentary	32
904	Routine infant or child health check	V202	3981438	EC	Patient-based.Systems	48
905	Acute tracheitis without mention of o...	46410	25279	EC	Respiratory	62
906	Effusion of joint of hand	71904	8916	MN	Musculoskeletal	44
907	Tenosynovitis of foot and ankle	72706	12776	MN	Musculoskeletal	41
908	Mixed hyperlipidemia	2722	1567589	MN	Cardiovascular	48
909	Personal history of tuberculosis	V1201	17594	EC	Respiratory	44
910	Examination following other treatment	V6759	2850911	MN	Nonspecific	15
911	Generalized convulsiv epilepsy w/o men...	34510	16453	MN	Neurologic	64
912	Ankylosing spondylitis	7200	26239	MN	Musculoskeletal	53
913	Burn of upper arm, unspecified degree	94303	15980	MN	Integumentary	39
914	Benign neoplasm of skin, site unspeci...	2169	371588	MN	Integumentary	29
915	Vomiting alone	78703	359225	MN	Gastrointestinal	37
916	Diastolic heart failure, unspecified	42830	28430	MN	Cardiovascular	57
917	Family hx of malignant neoplasm prostate	V1642	7643	MN	Reproductive.Male	37
918	Other anterior pituitary disorders	2534	11161	MN	Endocrine	44
919	Disability examination	V6801	17385	EC	Patient-based.Systems	39
920	Hemangioma of skin and subcutaneous t...	22801	28430	MN	Integumentary	27
921	Other conjunctivitis	37239	7828	MN	Special.Sensory	24
922	Uterine prolapse without mention of v...	6181	17594	MN	Reproductive.Female	41
923	Acute lymphadenitis	683	58100	MN	Hematologic.Immune	44
924	Polyglandular dysfunction, unspecified	2589	28430	MN	Endocrine	41
925	Brachia neuritis or radiculitis NOS	7234	372064	EC	Neurologic	46
926	Other joint derangement of pelvic reg...	71885	17594	MN	Musculoskeletal	37
927	Neoplasm of uncertain behav of pituit...	2370	26368	MN	Endocrine	55
928	Unspecified hypothyroidism	2449	5055098	MN	Endocrine	48
930	Retention of urine, unspecified	78820	61660	EC	Nephrologic	47

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
931	Hypersomnia with sleep apnea	78053	46806	EC	Respiratory	60
933	Closed fracture of one or more phalan...	8260	34227	MN	Musculoskeletal	39
934	Neoplasm of uncertain behavior of oth...	2388	7437	MN	Nonspecific	52
935	Benign paroxysmal positional vertigo	38611	98630	EC	Neurologic	44
936	Candidiasis of vulva and vagina	1121	345578	MN	Reproductive.Female	39
937	Contusion of abdominal wall	9222	23403	EC	Musculoskeletal	34
938	Personal history of other diseases of...	V1279	118328	EC	Gastrointestinal	29
939	Sprains and strains of other area of...	84519	3875	MN	Musculoskeletal	27
940	Other hammer toe (acquired)	7354	14680	MN	Musculoskeletal	27
941	Unspecified disorder of adrenal glands	2559	25985	MN	Endocrine	46
943	Unspecified disorder of synovium, ten...	7279	16692	MN	Musculoskeletal	34
944	Unspecified deformity of forearm, exc...	73600	17148	MN	Musculoskeletal	37
945	Medullary sponge kidney	75317	8382	MN	Nephrologic	48
946	Crushing injury of foot	92820	28062	MN	Musculoskeletal	64
947	Precocious sexual development and pub...	2591	31599	MN	Endocrine	57
948	Aortic ectasia, unspecified site	44770	19549	MN	Cardiovascular	51
949	Osteopathy resulting from poliomyelit...	73076	27114	MN	Musculoskeletal	41
951	Unspecified retinal detachment	3619	11885	MN	Special.Sensory	72
953	Hemoptysis, unspecified	78630	35136	MN	Respiratory	60
954	Unspecified paranoid state	2979	19826	MN	Psychogenic	57
955	Atherosclerosis of the extremities, u...	44020	17594	MN	Cardiovascular	53
956	Choanal atresia	7480	7367	EC	Respiratory	51
957	Opn wnd of abdominl wall, anterior, w...	8792	20520	MN	Integumentary	48
958	Special screening for osteoporosis	V8281	14372	EC	Musculoskeletal	37
959	Neoplasm of uncertain behavior of skin	2382	180476	MN	Integumentary	46
960	Paralysis agitans	3320	269305	EC	Neurologic	53
961	Other specified anomalies of skin	75739	41019	MN	Integumentary	24
962	Cervical high risk human papillomavirus[HPV] DNA test positive	79505	15464	MN	Reproductive.Female	57
963	Episodic cluster headache	33901	10334	MN	Neurologic	53
964	Insect bite of foot and toe(s), nonve...	9174	14823	MN	Integumentary	22
965	Nevus, non-neoplastic	4481	42127	MN	Integumentary	27
966	Diabetes mellitus w/o complication, t...	25001	223460	MN	Endocrine	53
967	Abdominal pain, unspecified site	78900	2420935	MN	Gastrointestinal	53
968	Secondary neuroendocrine tumor, unspec site	20970	7043	MN	Endocrine	57
969	Diseases of tricuspid valve	3970	16002	MN	Cardiovascular	53
970	Prescription of oral contraceptives	V2501	6921	MN	Reproductive.Female	41
971	Specl screeng for oth spec mental dis...	V798	16002	EC	Psychogenic	37
972	Scanty or infrequent menstruation	6261	21032	MN	Reproductive.Female	44
975	Pain in or around eye	37991	38363	MN	Special.Sensory	46
976	Solitary pulmonary nodule	79311	20920	MN	Respiratory	55
978	Full incontinence of feces	78760	32466	MN	Gastrointestinal	51
979	Other left bundle branch block	4263	6652	MN	Cardiovascular	46
981	Malignant neoplasm of bladder, part u...	1889	45059	EC	Nephrologic	69
982	Description not found	V998	14372	MN	Nonspecific	16
983	Rectocele	61804	24095	EC	Gastrointestinal	39
984	Abdominal pain, left upper quadrant	78902	49383	MN	Gastrointestinal	57
985	Personal history Venous thrombosis and embolism	V1251	24095	EC	Cardiovascular	46
986	Myoclonus	3332	13961	MN	Neurologic	44
987	Tarsal tunnel syndrome	3555	16224	MN	Musculoskeletal	39

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
988	Cellulitis and abscess of unspecified...	6819	51585	MN	Integumentary	48
990	Hematuria, unspecified	59970	521389	MN	Nephrologic	53
991	Closed fracture of rib(s), unspecified	80700	35929	MN	Musculoskeletal	41
992	Heart disease, unspecified	4299	50385	MN	Cardiovascular	51
993	Other and unspecified diseases of upper respiratory tract	4789	34761	EC	Respiratory	23
994	Enthesopathy of ankle and tarsus, unspecified	72670	87201	MN	Musculoskeletal	29
995	Systolic heart failure, chronic	42822	56859	MN	Cardiovascular	67
996	Enlargement of lymph nodes	7856	310843	MN	Hematologic.Immune	51
997	Lateral epicondylitis	72632	365636	MN	Musculoskeletal	29
998	Ganglion, unspecified	72743	62150	MN	Musculoskeletal	22
1000	Superficial body of foot/toe w/o op...	9176	8004	EC	Integumentary	34
1001	Intestinovesical fistula	5961	3064	MN	Gastrointestinal	65
1002	Neoplasms of unspecified nature brain	2396	3591	MN	Neurologic	71
1003	Late effect of unspecified injury	9089	62046	MN	Nonspecific	31
1004	Psychosexual dysfunction with other specified	30279	27114	EC	Psychogenic	40
1005	Flat foot	734	50597	MN	Musculoskeletal	20
1006	Other specified aftercare	V5889	2217235	MN	Nonspecific	24
1007	Unspecified hearing loss	3899	245656	MN	Special.Sensory	37
1008	Intestinal disaccharidase deficiencies & ...	2713	110029	MN	Gastrointestinal	40
1009	Aftercare traumatic fract of arm, unspec	V5410	17572	MN	Musculoskeletal	34
1010	Contact dermatitis/eczema of due to drug	6920	54227	MN	Integumentary	32
1011	Essential thrombocythemia	23871	11161	MN	Hematologic.Immune	45
1012	Radial styloid tenosynovitis	72704	36230	MN	Musculoskeletal	32
1013	Diabetes w/neurological manifestation...	25063	17385	MN	Endocrine	57
1014	Other and unspecified coagulation def...	2869	58407	MN	Hematologic.Immune	47
1015	Other cellulitis and abscess of hand,...	6824	1522	EC	Integumentary	47
1017	Torticollis, unspecified	7235	109853	MN	Musculoskeletal	40
1018	Chronic hepatitis, unspecified	57140	28045	MN	Gastrointestinal	45
1019	Closed fracture of lower end, unspec...	81240	37630	MN	Musculoskeletal	47
1020	Appendicitis, unqualified	541	15749	MN	Gastrointestinal	77
1022	Other specified disorders of esophagus	53089	12647	MN	Gastrointestinal	37
1023	Tracheostomy	V440	10250	EC	Respiratory	45
1024	Plantar fascial fibromatosis	72871	486371	MN	Musculoskeletal	32
1025	Other symptoms involving nervous and ...	78199	52294	MN	Neurologic	32
1026	Benign neoplasm of skin of trunk, exc...	2165	41116	MN	Integumentary	23
1027	Human immunodeficiency virus (HIV) di...	42	69902	MN	Hematologic.Immune	65
1028	Herpes zoster with other ophthalmic co...	5329	37630	EC	Special.Sensory	71
1029	Adhesive capsulitis of shoulder	7260	3897	MN	Musculoskeletal	42
1030	Other specified urticaria	7088	24502	EC	Integumentary	40
1031	Trunk, other injury of chest wall	95911	53769	MN	Musculoskeletal	37
1032	Unspecified gastritis/gastroduodenitis w...	53550	435104	MN	Gastrointestinal	42
1033	Closed dislocation of elbow unspecified	83200	3307	MN	Musculoskeletal	52
1034	Obsessive-compulsive disorders	3003	111524	MN	Psychogenic	52
1035	Poisoning by electrolytic, caloric, a...	9745	37630	EC	Nonspecific	67
1036	Prophylactic vaccination/inoculation ...	V032	12081	MN	Population.based.Care	45
1037	Hydrocele, unspecified	6039	35188	MN	Reproductive.Male	37
1039	Maxillary acute sinusitis	4610	308842	EC	Respiratory	42
1040	Long-term (current) use of steroids	V5865	1830	EC	Nonspecific	47
1041	Unspecified drug dependence, unspecified	30490	61872	MN	Psychogenic	52
1042	Impotence of organic origin	60784	766755	MN	Reproductive.Male	45

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1043	Health examination of defined subpopu...	V705	668771	MN	Population.based.Care	37
1044	Other lymphatic and hematopoietic tissue...	23879	8984	MN	Hematologic.Immune	40
1045	Infantile autism, current or active s...	29900	62548	EC	Psychogenic	55
1046	Polycystic ovaries	2564	42707	MN	Reproductive.Female	47
1047	Other specified administrative purpose	V6889	66191	MN	Nonspecific	1
1048	Other symptoms referable to joint of ...	71966	6192	MN	Musculoskeletal	26
1049	Lumbosacral spondylosis without myelo...	7213	231466	MN	Musculoskeletal	32
1050	Grand mal status	3453	17385	MN	Neurologic	74
1051	Exam followg treatmt w/high-risk medi...	V6751	28430	MN	Nonspecific	40
1052	Immune thrombocytopenic purpura	28731	61178	MN	Hematologic.Immune	57
1053	Examination of eyes and vision	V720	79425	MN	Special.Sensory	32
1054	Arthropathy, unspecified, upper arm	71692	3079	MN	Musculoskeletal	32
1055	Other specified dermatoses	7028	4426	MN	Integumentary	26
1056	Sprains and strains of other specific...	8438	34275	MN	Musculoskeletal	32
1057	Bladder neck obstruction	5960	25180	EC	Nephrologic	55
1058	Eosinophilic gastritis, w/o ment of hemorrhage	53570	18850	MN	Gastrointestinal	47
1059	Rosacea conjunctivitis	37231	7691	EC	Special.Sensory	34
1060	Abrasions or friction burn of hand exc...	9141	46806	MN	Integumentary	34
1061	Hemophthalmos, except current injury	36043	5159	EC	Special.Sensory	52
1062	Sebaceous cyst	7062	667439	MN	Integumentary	23
1063	Juvenile osteochondrosis of lower ext...	7324	2568	MN	Musculoskeletal	45
1064	Osteoarthritis, unspec generalized or...	71598	8004	MN	Musculoskeletal	34
1065	Supervision of normal first pregnancy	V220	73902	MN	Reproductive.Female	55
1066	Initiation of other contraceptive mea...	V2502	10134	MN	Reproductive.Female	50
1067	Closed dislocation of shoulder, unspe...	83100	2491	MN	Musculoskeletal	57
1069	Other urinary problems	V474	17594	EC	Nephrologic	34
1070	Candidiasis of skin and nails	1123	64560	MN	Integumentary	29
1071	True post wall infarc of othr spec si...	41080	8137	MN	Cardiovascular	81
1073	Other disease of nasal cavity and sinuse...	47819	718867	EC	Respiratory	34
1074	Goiter, unspecified	2409	147983	MN	Endocrine	47
1075	Undifferentiated somatoform disorder	30082	26368	MN	Psychogenic	42
1076	Blisters/epidermal loss [second degree...]	94127	7818	MN	Integumentary	40
1077	Vesical fistula, not elsewhere classi...	5962	12770	EC	Nephrologic	52
1078	Underimmunization status	V1583	5946	MN	Population.based.Care	42
1079	Fecal smearing	78762	3591	MN	Gastrointestinal	26
1080	Malignant neoplasm of appendix	1535	3798	MN	Gastrointestinal	77
1081	Tension headache	30781	173230	MN	Neurologic	47
1083	Osteoarthritis, unspec generalized or...	71597	35297	MN	Musculoskeletal	34
1085	Other cellulitis and abscess of buttock	6825	24342	MN	Integumentary	50
1086	Dysphagia	43882	17871	MN	Gastrointestinal	57
1087	Diabetes mellitus, antepartum conditi...	64803	24620	MN	Endocrine	63
1088	Urinary tract infection, site not spe...	5990	2752888	EC	Nephrologic	45
1090	Hypertrophy of nasal turbinates	4780	7935	EC	Respiratory	29
1091	Examination following surgery, unspecif	V6700	171128	MN	Nonspecific	28
1092	Nausea with vomiting	78701	243106	MN	Gastrointestinal	47
1093	Other symptoms involving urinary system	78899	186597	EC	Nephrologic	37
1094	Backache, unspecified	7245	3661663	MN	Musculoskeletal	45
1095	Overweight	27802	605840	EC	Nonspecific	50

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1096	Abdominal pain, periumbilic	78905	29332	MN	Gastrointestinal	52
1097	Barbiturate/simil actg sedative/hypno...	30410	3466	EC	Psychogenic	48
1098	Open wound of ear drum	87271	5648	MN	Special.Sensory	47
1099	Brachial plexus lesions	3530	24141	MN	Neurologic	55
1100	Hepatitis, unspecified	5733	109551	MN	Gastrointestinal	55
1101	Dermatophytosis of nail	1101	331627	MN	Integumentary	16
1102	Other primary cardiomyopathies	4254	228747	MN	Cardiovascular	68
1103	Special screening for thyroid disorders	V770	40314	MN	Endocrine	34
1104	Other specified symptoms associated w...	6258	58024	EC	Reproductive.Female	30
1105	Other specified examination	V7285	176447	MN	Nonspecific	18
1106	Hordeolum externum	37311	103601	EC	Special.Sensory	26
1107	Osteoarthritis, unspec generalized or...	71595	215806	MN	Musculoskeletal	34
1109	Rhesus isoimmunization, antepartum co...	65613	11942	EC	Hematologic.Immune	52
1110	Abrasions or friction burn without men...	9100	40230	MN	Integumentary	23
1111	Viral exanthem, unspecified	579	20690	MN	Integumentary	32
1112	Muscular wasting and disuse atrophy, ...	7282	10732	MN	Musculoskeletal	52
1113	Issue of repeat prescriptions	V681	464378	EC	Patient based.Systems	29
1114	Other specified perinatal disorders o...	7778	7831	MN	Reproductive.Female	33
1115	Acute laryngitis wo mention of obstructn	46400	174971	EC	Respiratory	37
1116	Abrasions/friction burn of oth/multipl...	9190	76088	MN	Integumentary	29
1117	Pain in thoracic spine	7241	425859	MN	Musculoskeletal	34
1118	Personal history of transient ischemic attack and cereb..	V1254	108190	MN	Neurologic	57
1119	Contusion of toe	9243	58858	MN	Musculoskeletal	16
1120	Inguinal hernia, without obstruction ...	55092	10432	EC	Gastrointestinal	45
1121	Other disorders of ear	3888	44611	MN	Special.Sensory	31
1122	Retinal vascular occlusion, unspecified	36230	17594	MN	Special.Sensory	71
1123	Anomaly of the peripheral vascular sy...	74760	7480	MN	Cardiovascular	52
1124	Intestinal infection due to other ana...	846	6348	MN	Gastrointestinal	52
1125	Sprains and strains of unspecified si...	84510	95852	MN	Musculoskeletal	23
1126	Abdominal or pelvic swelling, mass, o...	78939	8187	MN	Gastrointestinal	55
1127	Classical migraine without mention of...	34600	109673	MN	Neurologic	50
1128	Neoplasms of unspecified nature diges...	2390	28430	MN	Gastrointestinal	60
1129	Obesity, unspecified	27800	3835783	EC	Nonspecific	52
1130	Personal history of diseases of skin ...	V133	1985	MN	Integumentary	32
1131	Chronic laryngitis	4760	5100	EC	Respiratory	40
1132	Occlusion and stenosis of carotid art...	43311	28430	MN	Cardiovascular	68
1133	Causalgia	3544	46806	MN	Nonspecific	35
1134	Aortocoronary bypass status	V4581	11942	MN	Cardiovascular	57
1135	Desensitization to allergens	V071	56135	MN	Hematologic.Immune	37
1136	Multiple and unspecified open wound o...	8841	18491	MN	Integumentary	45
1137	Tachypnea	78606	36257	MN	Respiratory	63
1138	Benign essential hypertension	4011	4744514	MN	Cardiovascular	50
1139	Closed fracture of metacarpal bone(s)...	81500	54931	MN	Musculoskeletal	40
1140	Cardiomegaly	4293	35910	MN	Cardiovascular	63
1141	Basal cell carcinoma skin upper limb, including shoulder	17361	5697	MN	Integumentary	57
1142	Generalized anxiety disorder	30002	808730	MN	Psychogenic	47
1143	Diabetes w/other spec manifestations,...	25082	27114	MN	Endocrine	57
1144	Hypoglycemia, unspecified	2512	137572	MN	Endocrine	57

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1145	Arthropathy, unspecified, lower leg	71696	107644	MN	Musculoskeletal	37
1146	Malignant essential hypertension	4010	100662	MN	Cardiovascular	80
1147	Other and unspecified ovarian cyst	6202	188818	MN	Reproductive.Female	42
1148	Psychosexual dysfunction with inhibit...	30272	21003	EC	Psychogenic	42
1149	Unspecified erythematous condition	6959	120028	MN	Integumentary	26
1150	Other and unspecified hyperlipidemia	2724	11949820	MN	Cardiovascular	47
1151	Special screening for diabetes mellitus	V771	37972	EC	Endocrine	45
1152	Hallux varus (acquired)	7351	3415	MN	Musculoskeletal	23
1153	Enthesopathy of knee, unspecified	72660	56722	MN	Musculoskeletal	34
1155	Open wound of buttock without mention...	8770	1807	MN	Integumentary	40
1157	Abnormal liver function study	7948	61560	MN	Gastrointestinal	47
1158	Renovascular unspecified secondary hy...	40591	27114	EC	Nephrologic	60
1159	Basal cell carcinoma of skin, site unspecified	17391	39979	MN	Integumentary	45
1160	Blister of foot and toe(s) w/o mentio...	9172	20171	MN	Integumentary	20
1161	Cystic kidney disease, unspecified	75310	56683	MN	Nephrologic	52
1162	Enthesopathy of specified site	72690	390396	MN	Musculoskeletal	32
1163	Hemorr from threatend abortn antepart...	64003	4738	MN	Reproductive.Female	74
1164	Sarcoidosis	135	18756	EC	Nonspecific	57
1165	Other constipation	56409	6466	MN	Gastrointestinal	40
1166	Unspecified late effects of cerebrova...	4389	133125	MN	Neurologic	55
1167	Shoulder and upper arm injury, other ...	9592	136983	MN	Musculoskeletal	35
1168	Hypertrophy (benign) prostate w/urina...	60001	160866	MN	Reproductive.Male	44
1169	Diabetes w/peripheral circulatory dis...	25070	28874	MN	Endocrine	57
1170	Aortic aneurysm of unspecified site w...	4419	42620	MN	Cardiovascular	65
1171	Aftercare traumatic fract of other bone	V5419	7519	MN	Musculoskeletal	34
1172	Due to inhalation of food or vomitus	5070	6783	MN	Respiratory	55
1173	Coronary atherosclerosis of unspecifi...	41400	2176488	MN	Cardiovascular	60
1175	Arteriosclerotic dementia,uncomplicated	29040	28430	MN	Neurologic	55
1176	Other disorders of lipoid metabolism	2728	45880	EC	Cardiovascular	42
1177	Unspecified symptom associated with f...	6259	114528	EC	Reproductive.Female	41
1178	Burn of upper limb, unspecified site,...	94300	35958	MN	Integumentary	37
1179	Venous embolism and thrombosis of uns...	4539	26507	EC	Cardiovascular	63
1180	Peritoneal adhesions	5680	12247	MN	Gastrointestinal	47
1181	Chronic lymphoid leukemia w/o mention...	20410	49361	MN	Hematologic.Immune	60
1183	Abrasions or friction burn of foot and...	9170	58748	MN	Integumentary	24
1184	Nonorganic sleep disorder, unspecified	30740	15586	MN	Psychogenic	37
1185	Atresia and stenosis of aorta	74722	37630	MN	Cardiovascular	63
1186	Amyloidosis, unspecified	27730	8698	MN	Nonspecific	50
1187	Blisters, epidermal loss [2nd degree]...	94321	22017	MN	Integumentary	26
1188	Conduction disorder, unspecified	4269	16991	EC	Cardiovascular	42
1189	Alcohol withdrawal	29181	28430	EC	Psychogenic	65
1190	Long-term (current) use of other medi...	V5869	305595	MN	Nonspecific	31
1191	Other unspecified back disorders	7249	56453	MN	Musculoskeletal	34
1192	Diabetes w/unspecified complication, ...	25091	3445	MN	Endocrine	55
1194	Other specified viral warts	7819	137071	MN	Integumentary	23
1195	Cystitis, unspecified	5959	214142	EC	Nephrologic	37
1196	Unspecified diseases of blood and blo...	2899	14090	MN	Hematologic.Immune	41
1197	Postsurgical hypothyroidism	2440	37630	MN	Endocrine	47

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1198	Closed other, multiple, and ill-defin...	8270	16425	MN	Musculoskeletal	43
1199	Infection of genitourinary tract in p...	64663	28430	EC	Nephrologic	42
1200	Patellar tendinitis	72664	30528	MN	Musculoskeletal	37
1201	Other and unspecified alcohol depende...	30391	8437	MN	Psychogenic	52
1202	Exostosis of unspecified site	72691	58123	EC	Musculoskeletal	26
1203	Prophylactic vaccin/inoculatn agnst d...	V061	265375	MN	Population-based.Care	35
1204	Nuclear sclerosis	36616	11463	EC	Special.Sensory	45
1205	Reflex sympathetic dystrophy of other...	33729	13439	MN	Neurologic	52
1206	Cerebral aneurysm, nonruptured	4373	53473	MN	Neurologic	73
1207	Acute nonsuppurative otitis media, un...	38100	33228	MN	Special.Sensory	38
1208	Urge incontinence	78831	68040	EC	Nephrologic	41
1209	Other disorders of coccyx	72479	135948	MN	Musculoskeletal	26
1210	Leukocytopenia, unspecified	28850	7595	MN	Hematologic.Immune	49
1211	Down's syndrome	7580	6288	MN	Nonspecific	49
1212	Other symptoms involving cardiovascul...	7859	149751	MN	Cardiovascular	39
1213	Thyrotoxicosis without mention of goi...	24290	352344	MN	Endocrine	61
1214	Opn wound of hand except fingr(s) alo...	8820	157582	MN	Integumentary	41
1215	Female infertility associated with an...	6280	43369	MN	Reproductive.Female	47
1216	Other specified diseases of pulmonary...	4178	5739	MN	Respiratory	47
1217	Epistaxis	7847	312632	EC	Respiratory	35
1218	Abnor gland Papanicolaou smear of cer...	79500	141858	MN	Reproductive.Female	52
1219	Pregnancy examination or test, positive result	V7242	15464	MN	Reproductive.Female	44
1220	Feeding problems in newborn	77931	12455	EC	Nonspecific	55
1222	Benign neoplasm of colon	2113	127642	MN	Gastrointestinal	38
1223	Chronic lymphadenitis	2891	17572	MN	Hematologic.Immune	44
1224	Mononeuritis of unspecified site	3559	352035	MN	Neurologic	44
1225	Closed fracture of unspecified part o...	81000	48055	MN	Musculoskeletal	44
1226	Dyspepsia and other specified disorde...	5368	426647	MN	Gastrointestinal	41
1227	Acquired absence of breast	V4571	3298	EC	Reproductive.Female	39
1228	Unspec electiv surgery for purpos oth...	V509	11414	MN	Nonspecific	34
1229	Encounter for removal of sutures	V5832	411691	MN	Integumentary	11
1230	Abdominal pain, epigastric	78906	267975	MN	Gastrointestinal	49
1231	Orchitis and epididymitis in diseases...	60491	7140	MN	Reproductive.Male	52
1232	Cerebral artery occlusion, unspec, wi...	43491	353554	EC	Neurologic	80
1233	Ulcer of other part of foot, exc decubitus	70715	45522	MN	Integumentary	49
1234	Swelling or mass of eye	37992	46806	MN	Special.Sensory	54
1235	Lipoprotein deficiencies	2725	77212	EC	Cardiovascular	39
1236	Personal history of urinary (tract) infection	V1302	34490	EC	Nephrologic	32
1237	Hallux valgus (acquired)	7350	23728	MN	Musculoskeletal	26
1238	Other nonspecific abnormalserum enzym...	7905	10955	MN	Nonspecific	37
1240	Other seborrheic keratosis	70219	319320	MN	Integumentary	26
1241	Purulent endophthalmitis, unspecified	36000	78202	MN	Special.Sensory	64
1242	Prophylactic vaccinatin/inocula agnst ...	V059	306904	MN	Population-based.Care	35
1243	Unspecified general medical examination	V709	20149	EC	Patient-based.Systems	38
1244	Unspecified site of sprain and strain	8489	220213	MN	Musculoskeletal	29
1245	Other specified diseases due to viruses	7889	131292	MN	Nonspecific	32
1246	Osteoarthritis, localized, primary, s...	71510	16224	MN	Musculoskeletal	38
1247	Unspecified diseases of conjunctiva d...	7799	17871	MN	Special.Sensory	38
1248	Hemangioma of other sites	22809	11942	EC	Integumentary	32

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1249	Automatic implantable cardiac defibril...	V4502	3496	MN	Cardiovascular	52
1250	Conversion disorder	30011	15990	MN	Psychogenic	49
1251	Contact w/and (suspected) exposure to other potent hazard chem	V872	28430	MN	Nonspecific	34
1252	Benign hypertensive renal disease w/o...	40310	80631	MN	Nephrologic	52
1253	Ocular hypertension	36504	60559	MN	Special.Sensory	58
1254	Other abnormality of red blood cells	79009	28430	MN	Hematologic.Immune	44
1255	Chronic post-traumatic headache	33922	12932	MN	Neurologic	49
1256	Neoplasm of uncertain behavior of tra...	2357	11439	EC	Respiratory	57
1257	Other pulmonary embolism and infarction	41519	303917	MN	Respiratory	80
1258	Other hypersomnia	78054	50202	MN	Neurologic	44
1259	Diabetes w/peripheral circulatory dis...	25072	34771	MN	Endocrine	60
1260	Other fluid overload	27669	16002	MN	Cardiovascular	58
1261	Postnasal drip	78491	212208	MN	Special.Sensory	22
1262	Bronchiectasis w/out acute exacerbation	4940	108392	MN	Respiratory	41
1264	Sprains and strains of lateral collat...	8440	37630	MN	Musculoskeletal	35
1265	Encounter for therapeutic drug monitor..	V5883	140775	MN	Nonspecific	29
1267	Anomalies of foot, NEC	75567	15541	MN	Musculoskeletal	34
1268	Observation following other accident	V714	12203	MN	Nonspecific	28
1269	Sprains and strains of ribs	8483	28072	MN	Musculoskeletal	35
1270	Disorder of bone and cartilage, unspe...	73390	818377	MN	Musculoskeletal	35
1271	Dental caries, unspecified	52100	48597	EC	Special.Sensory	35
1272	Other anomalies of cervix, vagina, ex...	75249	3591	MN	Reproductive.Female	41
1273	Cervical spondylosis without myelopathy	7210	139154	MN	Musculoskeletal	41
1274	Temporomandibular joint disorders, un...	52460	108604	MN	Musculoskeletal	38
1276	Malignant neoplasm of stomach, unspec...	1519	28430	MN	Gastrointestinal	74
1277	Other diseases of spleen	28959	7480	EC	Hematologic.Immune	44
1279	Other ill-defined conditions	79989	355945	MN	Nonspecific	30
1280	Dementia with Lewy bodies	33182	33988	MN	Neurologic	58
1281	Rosacea	6953	298315	MN	Integumentary	29
1282	Osteoarthritis, unspec generalized or...	71594	8782	MN	Musculoskeletal	38
1283	Unspecified visual loss	3699	39913	MN	Special.Sensory	61
1284	Pain in joint of site unspecified	71940	817950	MN	Musculoskeletal	35
1285	Pain in joint of shoulder region	71941	2228940	MN	Musculoskeletal	38
1286	Croup	4644	54620	MN	Respiratory	47
1287	Abdominal aneurysm without mention of...	4414	43780	MN	Cardiovascular	61
1289	Nodular prostate w/o urinary obstruction	60010	12247	MN	Reproductive.Male	41
1290	Closed fracture of other metatarsal b...	82525	8184	MN	Musculoskeletal	47
1291	Other iatrogenic hypothyroidism	2443	3742	MN	Endocrine	47
1292	Other disorders of menstruation	6268	123842	MN	Reproductive.Female	44
1293	Basal cell carcinoma of skin of trunk, except scrotum	17351	21003	MN	Integumentary	47
1294	Other specified affective psychoses	29699	15980	MN	Psychogenic	58
1295	Medial epicondylitis	72631	75306	MN	Musculoskeletal	35
1296	Allergic rhinitis due to other allergen	4778	50947	EC	Respiratory	38
1297	Unspecified disorder of joint, pelvic...	71995	26211	MN	Musculoskeletal	35
1298	Unspecified disorder of the teeth and...	5259	178335	EC	Special.Sensory	29
1299	Hordeolum internum	37312	36567	EC	Special.Sensory	29
1300	Heart failure, unspecified	4289	30584	MN	Cardiovascular	67
1301	Long-term (current) use of anticoagul...	V5861	361576	EC	Cardiovascular	46

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1304	Diaper or napkin rash	6910	149913	MN	Integumentary	32
1305	Benign neoplasm of stomach	2111	5987	MN	Gastrointestinal	43
1306	Previous cesarean delivery, anteprtum...	65423	23883	MN	Reproductive.Female	29
1307	Mitral valve disorders	4240	88762	MN	Cardiovascular	49
1308	Other mucopurulent conjunctivitis	37203	55543	MN	Special.Sensory	36
1309	Other chronic allergic conjunctivitis	37214	112045	MN	Special.Sensory	36
1310	Chronic osteomyelitis of lower leg	73016	17148	MN	Musculoskeletal	62
1311	Other and unspecified noninfectious g...	5589	844929	EC	Gastrointestinal	43
1312	Occlusion and stenosis of carotid art...	43310	77585	EC	Cardiovascular	72
1313	Degeneration of thoracic or thoracolu...	72251	33790	MN	Musculoskeletal	46
1314	Migraine, unspecified without mention...	34690	1649174	MN	Neurologic	46
1315	Sicca syndrome	7102	28430	EC	Nonspecific	43
1316	Other cellulitis and abscess of face	6820	95968	MN	Integumentary	62
1317	Contact and allergic dermatitis of ey...	37332	28430	MN	Special.Sensory	36
1318	Spontaneous abortion without mention ...	63490	22703	MN	Reproductive.Female	56
1320	Post term pregnancy, antepartum conditi...	64513	9237	MN	Reproductive.Female	46
1321	Multiple myeloma w/o mention of remis...	20300	53239	MN	Hematologic.Immune	65
1323	Unspecified disorder of metabolism	2779	10943	EC	Endocrine	39
1324	Other alopecia	70409	2035	MN	Integumentary	32
1325	Closed dislocation of finger, unspeci...	83400	37630	MN	Musculoskeletal	36
1326	Other and unspecified capillary diseases	4489	19096	MN	Cardiovascular	43
1327	Blister of hip, thigh, leg, and ankle...	9162	3177	MN	Integumentary	25
1329	Chronic rhinitis	4720	830352	EC	Respiratory	36
1330	Pressure ulcer stage III	70723	28236	MN	Integumentary	62
1331	Neoplasm of uncertain behavior of neu...	23770	37630	EC	Neurologic	66
1332	Other conduct disorder	31289	6022	MN	Psychogenic	43
1333	Hyperparathyroidism, unspecified	25200	5159	MN	Endocrine	56
1334	Idiopathic urticaria	7081	8187	EC	Integumentary	39
1335	Other specified diseases of hair and ...	7048	155724	MN	Integumentary	28
1336	Removal of intrauterine contraceptive device	V2512	20879	MN	Reproductive.Female	39
1337	Alopecia areata	70401	5159	MN	Integumentary	39
1338	Endothelial corneal dystrophy	37157	1672	MN	Special.Sensory	54
1339	Pain in joint of upper arm	71942	162192	MN	Musculoskeletal	36
1340	Other malaise and fatigue	78079	4001378	MN	Nonspecific	39
1342	Unspecified hypertrophic and atrophic...	7019	166038	EC	Integumentary	31
1343	Displacement of intervertebral disc, ...	7222	198959	MN	Musculoskeletal	49
1344	External hemorrhoids without mention ...	4553	7828	MN	Gastrointestinal	39
1345	Migraine unspecif, w/o intract migr, so stat...	34693	3097	MN	Neurologic	51
1346	Intervertebral disc disorder with mye...	72273	5126	MN	Musculoskeletal	54
1347	Sprains and strains of lumbosacral (j...	8460	111697	MN	Musculoskeletal	36
1348	Glossitis	5290	60102	EC	Special.Sensory	39
1349	Other medical examination for adminis...	V703	1398641	EC	Special.Sensory	32
1350	Dermatophytosis of groin and perianal...	1103	149605	MN	Integumentary	32
1351	Achilles bursitis or tendinitis	72671	64608	MN	Musculoskeletal	43
1352	Malignant neoplasm of lower limb	1955	3798	MN	Musculoskeletal	72
1353	Acute, but ill-defined, cerebrovascul...	436	16617	MN	Neurologic	76
1354	Cervicitis and endocervicitis	6160	9508	MN	Reproductive.Female	52

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1355	Dysphagia, unspecified	78720	361073	MN	Gastrointestinal	56
1356	Enthesopathy of wrist and carpus	7264	53379	MN	Musculoskeletal	36
1357	Other musculoskeletal symptoms refera...	72989	74239	MN	Musculoskeletal	32
1358	Acute bronchospasm	51911	131077	MN	Respiratory	65
1359	Prolonged depressive reaction	3091	11829	MN	Psychogenic	59
1360	Acquired deformity of pelvis	7386	17707	MN	Musculoskeletal	39
1361	Transient disorder of initiating or m...	30741	15086	EC	Psychogenic	39
1362	Mental disorders, antepartum conditio...	64843	19958	MN	Psychogenic	52
1363	Abdominal pain, generalized	78907	103259	MN	Gastrointestinal	59
1364	Infantile cerebral palsy, unspecified	3439	84275	MN	Neurologic	69
1365	Other specified anomalies of spinal cord	74259	28430	MN	Neurologic	56
1366	Herpes zoster with other nervous syst...	5319	81700	EC	Neurologic	59
1367	Hand, except finger injury, other and...	9594	70102	MN	Musculoskeletal	41
1368	Unspecified disorder of esophagus	5309	84223	MN	Gastrointestinal	43
1369	Nonsuppurative otitis media, not spec...	3814	307151	MN	Special.Sensory	43
1370	Acute myeloid leukemia w/o mention of...	20500	5268	MN	Hematologic.Immune	80
1371	Basal cell carcinoma skin of other and unspec parts of face	17331	3591	MN	Integumentary	45
1372	Unspecified delay in development	3159	29187	EC	Nonspecific	62
1373	Carbuncle and furuncle of buttock	6805	26999	MN	Integumentary	46
1374	Poisoning by unspecified drug or medi...	9779	4419	MN	Nonspecific	76
1375	Dermatographic urticaria	7083	5916	EC	Integumentary	36
1376	Insect bite of face/neck/scalp,nonven...	9104	20341	MN	Integumentary	21
1377	Bell's palsy	3510	122110	MN	Neurologic	59
1378	Asthma, unspecified with acute exacerbat	49392	237951	MN	Respiratory	62
1379	Unspecified outcome of delivery	V279	15464	MN	Reproductive.Female	34
1380	Rash and other nonspecific skin eruption	7821	1487116	MN	Integumentary	35
1381	Other complications due to renal dial...	99673	24215	MN	Nephrologic	59
1382	Extrinsic asthma with acute exacerbation	49302	51268	MN	Respiratory	76
1383	Supervision of other normal pregnancy	V221	1442891	MN	Reproductive.Female	43
1384	Viremia, unspecified	7908	14219	MN	Nonspecific	46
1386	Ulcer of anus and rectum	56941	37630	MN	Gastrointestinal	52
1387	Other peripheral enthesopathies	7268	15749	MN	Musculoskeletal	39
1388	Chronic/unspec gastric ulcer w/perfor...	53150	27114	MN	Gastrointestinal	65
1389	Acute swimmers' ear	38012	12289	MN	Special.Sensory	43
1390	Torsion of testis, unspecified	60820	32767	MN	Reproductive.Male	86
1392	Pure hypercholesterolemia	2720	4633304	MN	Cardiovascular	43
1393	Cellulitis and abscess of the oral so...	5283	17594	EC	Special.Sensory	49
1394	Scar conditions and fibrosis of skin	7092	6288	MN	Integumentary	32
1395	Other specified disorders of skin	7098	7828	MN	Integumentary	40
1396	Major depressive disorder, recurrent ...	29630	255488	MN	Psychogenic	59
1397	Acquired hypertrophic pyloric stenosis	5370	15221	MN	Gastrointestinal	72
1398	Special screening for depression	V790	46806	MN	Psychogenic	39
1399	Celiac disease	5790	47867	MN	Gastrointestinal	56
1400	Polyuria	78842	123013	EC	Nephrologic	52
1401	Other diseases of respiratory system,...	5198	258630	MN	Respiratory	49
1402	Other and unspecified alcohol depende...	30393	28430	MN	Psychogenic	63
1403	Hallucinations	7801	18572	MN	Psychogenic	70
1404	Acquired spondylolisthesis	7384	3591	MN	Musculoskeletal	47
1405	Unspecified vitamin D deficiency	2689	1313858	MN	Endocrine	43
1408	Unspecified nasal polyp	4719	27114	MN	Special.Sensory	30

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1409	Other and unspecified nonspecific imm...	79579	27114	MN	Hematologic.Immune	43
1410	Other diseases of lung, not elsewhere...	51889	60346	MN	Respiratory	44
1411	Ostium secundum type atrial septal de...	7455	12572	MN	Cardiovascular	63
1412	Body Mass Index 27.0 to 27.9, adult	V8523	17572	EC	Nonspecific	40
1413	Other symptoms involving abdomen and ...	7899	45711	MN	Gastrointestinal	37
1414	Opioid type dependence, unspecified	30400	1384256	MN	Psychogenic	66
1415	Renal failure, unspecified	586	100610	MN	Nephrologic	73
1416	Osteoarthritis, unspec generalized or...	71593	28430	MN	Musculoskeletal	40
1417	Loss of height	78191	28430	MN	Musculoskeletal	43
1418	Acute mucoid otitis media	38102	3953	MN	Special.Sensory	43
1419	Acute cholecystitis	5750	17594	MN	Gastrointestinal	73
1420	Alzheimer's disease	3310	505503	MN	Neurologic	60
1421	Neoplasms of unspecified nature bone,...	2392	56957	MN	Musculoskeletal	66
1422	Systemic inflamm resp synd due to inf...	99591	37630	MN	Nonspecific	87
1423	Prophylactic vaccination/inoculation ...	V054	17572	MN	Population_based.Care	37
1424	Pathologic fracture of humerus	73311	21003	MN	Musculoskeletal	66
1425	Unspecified disease of white blood cells	2889	28430	MN	Hematologic.Immune	50
1426	Finger injury, other and unspecified	9595	46806	MN	Musculoskeletal	37
1427	Unspecified essential hypertension	4019	25307174	MN	Cardiovascular	47
1428	Sprains and strains of unspecified si...	84500	382832	MN	Musculoskeletal	33
1429	Barrett's esophagus	53085	4487	MN	Gastrointestinal	63
1430	Other symptoms referable to joint of ...	71963	11812	MN	Musculoskeletal	37
1431	Other spec complicatns of preg, antep...	64683	28123	MN	Reproductive.Female	50
1432	Diffuse cystic mastopathy	6101	101312	MN	Reproductive.Female	43
1433	Iron deficiency anemia, unspecified	2809	280701	MN	Hematologic.Immune	50
1434	Sunburn of second degree	69276	4811	MN	Integumentary	30
1435	Peripheral vascular disease, unspecified	4439	420691	MN	Cardiovascular	53
1436	Other symptoms referable to joint of ...	71961	17594	MN	Musculoskeletal	33
1437	Unspecified closed fracture of ankle	8248	142345	MN	Musculoskeletal	50
1438	Unspecified site of spinal cord injury	9529	3051	MN	Neurologic	81
1439	Arteritis, unspecified	4476	41092	EC	Cardiovascular	63
1440	Other cellulitis and abscess of unspe...	6829	1058575	MN	Integumentary	50
1441	Alcohol abuse, unspecified	30500	189697	MN	Psychogenic	60
1442	Paraplegia	3441	14058	MN	Neurologic	73
1443	Sacroiliitis, not elsewhere classified	7202	176355	MN	Musculoskeletal	40
1444	Asymptomatic bacteriuria in preg ante...	64653	27250	MN	Reproductive.Female	48
1445	Other specified erythematous conditions	69589	74768	MN	Integumentary	26
1447	Other tear of cartilage or meniscus o...	8362	33059	MN	Musculoskeletal	43
1448	Other physical therapy	V571	3535	MN	Musculoskeletal	32
1449	Acute nasopharyngitis [common cold]	460	424632	EC	Respiratory	30
1450	General nonconvulsy epilepsy w/o ment...	34500	7631	MN	Neurologic	63
1451	Dyskinesia of esophagus	5305	53429	MN	Gastrointestinal	50
1452	Mild or unspes pre-eclampsia w/antepa...	64243	7631	MN	Reproductive.Female	73
1453	Systolic heart failure, acute on chronic	42823	11463	MN	Cardiovascular	87
1454	Closed fracture of unspecified bone(s...)	82520	15749	MN	Musculoskeletal	53
1455	Acute conjunctivitis, unspecified	37200	88466	MN	Special.Sensory	33
1456	Frontal acute sinusitis	4611	66006	EC	Respiratory	43
1457	Unspecified degree burn of thigh [any...]	94506	37630	MN	Integumentary	47
1458	Polyneuropathy in diabetes	3572	214605	MN	Neurologic	56

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1459	Other specified disorders of adrenal . . .	2558	29838	MN	Endocrine	56
1460	Neuralgia, neuritis, and radiculitis,. . .	7292	267877	MN	Neurologic	50
1461	Unspecified contraceptive management	V259	423656	MN	Reproductive.Female	43
1462	Failure to thrive in newborn	77934	13304	MN	Nonspecific	81
1463	Colostomy	V443	9554	MN	Gastrointestinal	47
1464	Bacteremia	7907	1830	EC	Hematologic.Immune	70
1465	Other developmental speech or languag. . .	31539	29644	MN	Neurologic	60
1466	Breast screening, unspecified	V7610	144283	MN	Reproductive.Female	33
1467	Acute suppurative otitis media w/out . . .	38200	329856	MN	Special.Sensory	40
1468	Mixed incontinence (female) (male)	78833	1522	EC	Nephrologic	37
1469	Routine or ritual circumcision	V502	42629	EC	Reproductive.Male	28
1472	Orthostatic hypotension	4580	28686	MN	Cardiovascular	56
1474	Neurogenic bladder NOS	59654	27114	EC	Nephrologic	50
1475	Other viral conjunctivitis due to vir. . .	778	27114	MN	Special.Sensory	30
1476	Oth elective surgery for purpos oth t. . .	V508	622784	MN	Nonspecific	43
1477	Bipolar affective disorder, depressed. . .	29652	4382	MN	Psychogenic	70
1478	Person feigning illness	V652	37630	MN	Psychogenic	53
1479	Irritability	79922	17677	EC	Psychogenic	37
1480	Other diseases of larynx, not elsewhe. . .	47879	43115	EC	Respiratory	37
1481	Blister/epiderm loss [2nd degree] bur. . .	94421	23065	MN	Integumentary	43
1482	Diarrhea of presumed infectious origin	93	7818	MN	Gastrointestinal	43
1483	Carpal tunnel syndrome	3540	372451	MN	Musculoskeletal	37
1484	Cellulitis and abscess of finger, uns. . .	68100	40258	MN	Integumentary	43
1485	Menstrual migraine, without mention of..	34640	11829	MN	Neurologic	40
1486	Mitral stenosis	3940	3742	MN	Cardiovascular	63
1487	Hirsutism	7041	19549	MN	Endocrine	43
1488	Other specified periodontal diseases	5238	11829	EC	Special.Sensory	40
1489	Hyposmolality and/or hyponatremia	2761	114085	EC	Nonspecific	70
1490	Open wound of elbow, without mention . . .	88101	8187	MN	Integumentary	47
1492	Special screening for other and unspe. . .	V814	93612	EC	Respiratory	21
1493	Palpitations	7851	581937	MN	Cardiovascular	56
1494	Allergic rhinitis due to pollen	4770	72010	EC	Respiratory	33
1496	Hemiplegia, unspecified, affecting un. . .	34290	6022	MN	Neurologic	70
1497	Intrinsic asthma without mention of s. . .	49310	55015	MN	Respiratory	60
1499	Seborrheic infantile dermatitis	69012	27114	MN	Integumentary	33
1500	Reading disorder, unspecified	31500	28430	EC	Psychogenic	47
1501	Ototorrhea, unspecified	38860	19177	MN	Special.Sensory	42
1502	Throat pain	7841	61582	EC	Respiratory	36
1503	Pneumonia, organism unspecified	486	814888	MN	Respiratory	68
1505	Closed fracture of unspecified part o. . .	81220	72160	MN	Musculoskeletal	53
1506	Other specified complications due to . . .	5479	28430	MN	Nonspecific	37
1507	Neoplasm of uncertain behavior of sit. . .	2389	80401	MN	Nonspecific	63
1508	Chronic hepatitis C without mention o. . .	7054	37630	MN	Gastrointestinal	65
1509	Abnormal loss of weight	78321	633643	MN	Nonspecific	68
1510	Unspecified disorders of menstruation	6269	112235	MN	Reproductive.Female	45
1511	Major depressive disorder, recurrent . . .	29632	139869	MN	Psychogenic	56
1512	Other lymphomas, unspec site, extrano. . .	20280	94967	MN	Hematologic.Immune	71
1513	Obstruction of nasolacrimal duct, neo. . .	37555	3496	MN	Special.Sensory	37
1514	Allergic urticaria	7080	46806	EC	Integumentary	42
1515	Allergy, unspecified	9953	867426	MN	Hematologic.Immune	30

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1516	Cyst and pseudocyst of pancreas	5772	17148	MN	Gastrointestinal	59
1517	Osteoarthritis, generalized, site uns...	71500	39152	MN	Musculoskeletal	39
1518	Unspecified inflammatory polyarthropathy	7149	17594	MN	Musculoskeletal	53
1519	Unspecified degree burn of foot	94502	16460	MN	Integumentary	48
1520	Primary focal hyperhidrosis	70521	31811	MN	Integumentary	31
1522	Sialadenitis of the salivary glands	5272	3314	EC	Special.Sensory	42
1523	Other ovarian failure	25639	40928	MN	Reproductive.Female	53
1524	Superficial injury of cornea	9181	12590	MN	Special.Sensory	46
1525	Undiagnosed cardiac murmurs	7852	115385	MN	Cardiovascular	53
1526	Body Mass Index 32.0 to 32.9, adult	V8532	14370	EC	Nonspecific	49
1527	Maxillary chronic sinusitis	4730	123044	MN	Special.Sensory	47
1528	Unspecified degree burn of hand, unsp...	94400	4041	MN	Integumentary	47
1529	Reflex sympathetic dystrophy, unspeci...	33720	27114	MN	Neurologic	53
1530	Unspecified hypertensive renal diseas...	40391	36620	MN	Nephrologic	68
1531	Other nonspecific abnormal finding of lung field	79319	33487	MN	Respiratory	47
1532	Other and unspecified alcohol depende...	30390	165538	MN	Psychogenic	59
1533	Other vitamin B12 deficiency anemia	2811	23791	EC	Hematologic.Immune	48
1534	Other joint derangement of lower leg	71886	22598	MN	Musculoskeletal	36
1535	Scrotal varices	4564	10426	MN	Reproductive.Male	23
1536	Chronic respiratory failure	51883	26683	MN	Respiratory	71
1537	Premature menopause	25631	3460	MN	Reproductive.Female	53
1538	Atrophy of breast	6114	8137	EC	Reproductive.Female	27
1539	Impetigo	684	101228	MN	Integumentary	39
1540	Chronic tonsillitis	47400	3458	EC	Respiratory	45
1541	Heat exhaustion, unspecified	9925	11518	EC	Nonspecific	68
1542	Endocarditis in diseases classified e...	42491	4382	MN	Cardiovascular	81
1543	Hypertrophy of breast	6111	34416	EC	Reproductive.Female	39
1544	Other specified diseases of nail	7038	3244	MN	Integumentary	13
1545	Urgency of urination	78863	34718	EC	Nephrologic	45
1546	Osteoporosis, unspecified	73300	967590	EC	Musculoskeletal	49
1547	Venous (peripheral) insufficiency, un...	45981	129520	MN	Cardiovascular	48
1548	Cerebral degeneration, unspecified	3319	7043	MN	Neurologic	53
1549	Prophylactic vaccin/inocu agnst typho...	V031	11414	MN	Population based.Care	26
1550	Stress incontinence, female	6256	61922	EC	Nephrologic	39
1551	Unspecified fetal and neonatal jaundice	7746	99277	MN	Gastrointestinal	59
1552	Diarrhea	78791	990642	MN	Gastrointestinal	45
1553	Social phobia	30023	8187	MN	Psychogenic	45
1554	Hypopotassemia	2768	313520	EC	Nonspecific	65
1555	Tension type headache, unspecified	33910	21691	MN	Neurologic	39
1556	Failure to thrive	78341	48777	MN	Nonspecific	68
1557	Bronchitis, not specified as acute or...	490	2994117	MN	Respiratory	42
1558	Nonspecific low blood pressure reading	7963	16127	MN	Cardiovascular	48
1559	Supraventricular premature beats	42761	37630	MN	Cardiovascular	51
1560	Contusion of hand(s)	92320	66649	MN	Musculoskeletal	23
1561	Other acute sinusitis	4618	33484	MN	Special.Sensory	42
1562	Osteoarthritis, localized, primary, s...	71511	13706	MN	Musculoskeletal	39
1563	Chronic/unspec gastrojejunal ulcer w/...	53460	3460	MN	Gastrointestinal	59
1564	Mild hyperemesis gravidarum antepartu...	64303	29577	MN	Reproductive.Female	42

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1565	Autoimmune hemolytic anemias	2830	8782	MN	Hematologic.Immune	65
1566	Nervousness	79921	1232	MN	Psychogenic	36
1567	Other specified acquired hypothyroidism	2448	55350	MN	Endocrine	45
1568	Excessive fetal growth, antepartum co...	65663	5739	EC	Nonspecific	53
1569	Other specified disorders of kidney a...	59389	16002	MN	Nephrologic	50
1570	Effusion of joint of lower leg	71906	128572	MN	Musculoskeletal	45
1571	Blood in stool	5781	114391	MN	Gastrointestinal	56
1572	Simple chronic bronchitis	4910	19549	MN	Respiratory	39
1573	Unspecified hypertensive heart diseas...	40290	40951	MN	Cardiovascular	65
1574	Sprains and strains of unspecified si...	8469	44939	MN	Musculoskeletal	30
1575	Stiffness of joint of other spec site...	71958	12393	MN	Musculoskeletal	33
1576	Postmenopausal bleeding	6271	45333	MN	Reproductive.Female	65
1577	Diabetes with renal manifestations, t...	25040	406649	MN	Endocrine	59
1578	Dermatophytosis of the body	1105	78654	MN	Integumentary	30
1579	Other specified visual disturbances	3688	37630	MN	Special.Sensory	53
1580	Abdominal pain, right upper quadrant	78901	314076	MN	Gastrointestinal	62
1581	Open wound of hip and thigh, without ...	8900	18439	MN	Integumentary	51
1582	Unspecified degree burn of leg, unspe...	94500	9934	MN	Integumentary	45
1583	Prepatellar bursitis	72665	67047	MN	Musculoskeletal	39
1584	Bacterial infection, unspecified	419	29743	MN	Nonspecific	59
1585	Chronic pancreatitis	5771	9344	MN	Gastrointestinal	62
1586	Other disorders of lactation, postpar...	67684	14370	MN	Reproductive.Female	42
1587	Foreign body of unspecified site of eye	9309	24376	MN	Special.Sensory	59
1588	Neoplasm of uncertain behavior of adr...	2372	7437	MN	Endocrine	65
1589	Alcoholic cirrhosis of liver	5712	19857	MN	Gastrointestinal	68
1590	Acute sinusitis, unspecified	4619	2647725	MN	Special.Sensory	48
1591	Endometriosis, site unspecified	6179	32716	MN	Reproductive.Female	53
1592	Impaired glucose tolerance test (oral)	79022	9970	MN	Endocrine	45
1593	Major depressive disorder, recurrent ...	29631	27114	MN	Psychogenic	59
1594	Personal history of surgery to other organs	V1529	4574	MN	Nonspecific	36
1595	Chronic motor tic disorder	30722	3076	MN	Neurologic	36
1596	Other abnormal heart sounds	7853	15980	MN	Cardiovascular	39
1597	Sprains and strains of other area of ...	84509	4694	MN	Musculoskeletal	30
1598	Hemiplegia affecting unspecified side	43820	37630	MN	Neurologic	71
1599	Obstructive chronic bronchitis w/exacer	49121	266279	MN	Respiratory	74
1600	Personal history of other disorders o...	V1309	28943	EC	Nephrologic	33
1601	Pregnancy examination or test, preg unconfirmed	V7240	34248	MN	Reproductive.Female	45
1602	Intrauterine synechiae	6215	7828	MN	Reproductive.Female	51
1603	Knee replacement	V4365	73440	MN	Musculoskeletal	50
1604	Tic disorder, unspecified	30720	30196	MN	Neurologic	42
1605	Special screening for malignant neopl...	V762	422307	EC	Reproductive.Female	62
1606	Allergic purpura	2870	36951	EC	Integumentary	47
1607	Other late effects of cerebrovascular...	43889	7828	MN	Neurologic	51
1608	Health supervision for newborn under 8 days old	V2031	90108	EC	Patient based.Systems	47
1609	Dislocation of patella, closed	8363	7831	MN	Musculoskeletal	47
1610	Other osteoporosis	73309	5603	EC	Musculoskeletal	51
1611	Other disorders of plasma protein met...	2738	17594	MN	Hematologic.Immune	45

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1613	Hypertrophy of adenoids alone	47412	13084	EC	Respiratory	22
1614	Closed fracture of sacrum and coccyx, w...	8056	49773	MN	Musculoskeletal	47
1616	Unspecified disease of nail	7039	3953	MN	Integumentary	15
1617	Hypocalcemia	27541	63869	MN	Endocrine	51
1618	Jaw pain	78492	84834	MN	Musculoskeletal	47
1620	Unspecified glaucoma	3659	188833	MN	Special.Sensory	51
1621	Dermatitis due to drugs and medicines	6930	9606	MN	Integumentary	51
1622	Open wound of foot except toe(s) alon...	8921	22485	MN	Integumentary	47
1623	Onychia and paronychia of finger	68102	58220	MN	Integumentary	47
1624	Other specified disorders of penis	60789	6503	MN	Reproductive.Male	33
1626	Pregnant state, incidental	V222	3498	MN	Reproductive.Female	45
1627	Impulse control disorder, unspecified	31230	1981	MN	Psychogenic	42
1628	Unspecified adjustment reaction	3099	34963	MN	Psychogenic	47
1629	Acute upper respiratory infections of...	4659	5828386	MN	Respiratory	38
1630	Vaginitis and vulvovaginitis, unspeci...	61610	713180	MN	Reproductive.Female	47
1632	Other specified gastritis without men...	53540	6783	MN	Gastrointestinal	47
1633	Traumatic arthropathy, lower leg	71616	27114	MN	Musculoskeletal	51
1634	Thoracic aneurysm without mention of...	4412	22404	MN	Cardiovascular	70
1635	Diaphragmatic hernia	5533	70948	MN	Gastrointestinal	33
1636	Other specified disorders of joint, l...	71986	37226	MN	Musculoskeletal	39
1637	Diverticulosis of colon (without ment...	56210	171796	MN	Gastrointestinal	33
1638	Closed fracture of unspecified part o...	82380	58267	MN	Musculoskeletal	56
1639	Fitting and adjustment of orthopedic ...	V537	14090	MN	Musculoskeletal	28
1640	Ganglion of tendon sheath	72742	17295	MN	Musculoskeletal	38
1641	Facial weakness	78194	8137	MN	Neurologic	70
1642	Insomnia due to mental disorder	32702	69849	MN	Psychogenic	51
1643	Blepharitis, unspecified	37300	96642	EC	Special.Sensory	36
1645	Lipoma, unspecified site	2149	144389	MN	Integumentary	22
1646	Enterobiasis	1274	4625	MN	Gastrointestinal	42
1648	Diabetes with renal manifestations, t...	25042	104352	EC	Endocrine	60
1649	Other chronic disease of tonsils and ...	4748	8459	EC	Respiratory	39
1650	Panic disorder	30001	501214	MN	Psychogenic	60
1651	Dysfunction of Eustachian tube	38181	476864	MN	Special.Sensory	28
1652	Viral hepatitis B w/o hepatic coma, ch...	7032	43115	MN	Gastrointestinal	65
1653	Scoliosis [and kyphoscoliosis], idiop...	73730	185186	MN	Musculoskeletal	38
1654	Ingrowing nail	7030	255436	MN	Integumentary	33
1655	Other specified hypertrophic and atro...	7018	17594	EC	Integumentary	31
1656	Bronchopneumonia, organism unspecified	485	41274	MN	Respiratory	65
1657	Special screening for other disorders of...	V788	28430	EC	Hematologic.Immune	31
1658	Chronic kidney disease, Stage III(modera	5853	148351	MN	Nephrologic	51
1659	Other examination of ears and hearing	V7219	35801	EC	Special.Sensory	45
1660	Acute laryngopharyngitis	4650	51342	EC	Respiratory	33
1661	Hypotension, unspecified	4589	160413	MN	Cardiovascular	68
1662	Hereditary progressive muscular dystro...	3591	81718	EC	Musculoskeletal	60
1663	Special screening examination for pul...	V741	210656	EC	Respiratory	39
1664	Unspecified transient cerebral ischemia	4359	224878	MN	Neurologic	82
1665	Tinea blanca	1112	46806	MN	Integumentary	15
1666	Abnormal underweight	78322	18364	MN	Nonspecific	56

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1667	Unspecified disorder of prostate	6029	54251	MN	Reproductive.Male	39
1668	Other specified disorders of circulat...	45989	66331	MN	Cardiovascular	45
1669	Lumbar intervertebral disc without my...	72210	286052	MN	Musculoskeletal	42
1670	Infective otitis externa, unspecified	38010	486084	MN	Special.Sensory	42
1671	Open wound of face, unspecified site	87340	36567	MN	Integumentary	56
1672	Acne varioliformis	7060	5126	MN	Integumentary	28
1673	Essential and other specified forms o...	3331	85528	EC	Neurologic	43
1674	Other emphysema	4928	88212	MN	Respiratory	56
1675	Eating disorder, unspecified	30750	89350	MN	Psychogenic	56
1676	Rheumatism, unspecified and fibrosis	7290	27114	MN	Musculoskeletal	42
1677	Unspecified neurotic disorder	3009	41179	MN	Psychogenic	38
1678	Other cellulitis and abscess of foot,...	6827	93845	MN	Integumentary	60
1679	Pain in joint of pelvic region and thigh	71945	1183355	MN	Musculoskeletal	42
1681	Burn [any deg] inv les thn 10% bdy su...	94800	254382	MN	Integumentary	56
1683	Alopecia, unspecified	70400	199709	MN	Integumentary	28
1684	Benign neoplasm of ovary	220	15464	MN	Reproductive.Female	47
1685	Infection of kidney, unspecified	5909	56743	MN	Nephrologic	65
1686	Abnormal glucose tolerance, antepartu...	64883	25622	MN	Endocrine	60
1687	Prophylactic vaccination/inoculation ...	V040	37630	MN	Population_based.Care	39
1688	Benign neoplasm of eye, part unspecified	2249	6228	MN	Special.Sensory	51
1689	Unspecified acute reaction to stress	3089	404573	MN	Psychogenic	51
1690	Cervical spondylosis with myelopathy	7211	48270	EC	Musculoskeletal	60
1691	Teething syndrome	5207	1807	EC	Special.Sensory	28
1692	Drug induced headache, not elsewhere classified	3393	4574	MN	Neurologic	42
1693	Dementia in cond class elsewh w/o behav	29410	98583	MN	Neurologic	65
1694	Malignant neoplasm of larynx, unspeci...	1619	21003	EC	Respiratory	92
1695	Attention or concentration deficit	79951	8137	MN	Psychogenic	51
1696	Enteritis due to other organism, not ...	88	118357	MN	Gastrointestinal	42
1697	Blisters, epidermal loss [second degr...	94522	28430	MN	Integumentary	56
1698	Unspecified mental retardation	319	92593	EC	Psychogenic	51
1700	Other ventral hernia with obstruction	55229	7437	MN	Gastrointestinal	75
1702	Chronic gouty arthropathy w/o tophus ...	27402	44037	MN	Musculoskeletal	45
1703	Prophylac vacc/inocula agnst influenz...	V0481	951972	MN	Population_based.Care	42
1704	Prophylac vacc/inocula agnst oth viral..	V0489	132782	MN	Population_based.Care	42
1705	Other disorders of conjunctiva	37289	28430	MN	Special.Sensory	30
1707	Unspecified disorder of male genital ...	6089	124688	MN	Reproductive.Male	42
1708	Fitting and adjustment of vascular ca...	V5881	5181	MN	Cardiovascular	48
1709	Other and unspecified angina pectoris	4139	3424	MN	Cardiovascular	68
1710	Cervicobrachial syndrome (diffuse)	7233	46806	MN	Neurologic	54
1711	Heartburn	7871	84708	MN	Gastrointestinal	49
1712	Leiomyoma of uterus, unspecified	2189	214103	MN	Reproductive.Female	49
1713	Viral hepatitis B w/o hep coma, acute...	7030	4159	MN	Gastrointestinal	68
1714	Unspecified suppurative otitis media	3824	6911	MN	Special.Sensory	45
1715	Lumbago	7242	4527666	MN	Musculoskeletal	36
1716	Squamous cell carcinoma of skin, site unspc	17392	15228	MN	Integumentary	68
1717	Varices of other sites	4568	9606	MN	Cardiovascular	40
1718	Malignant neoplasm of breast (female)...	1749	369607	EC	Reproductive.Female	91

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1719	Acute renal failure, unspecified	5849	71964	MN	Nephrologic	81
1720	Moderate mental retardation	3180	3185	EC	Psychogenic	54
1721	Olecranon bursitis	72633	50698	MN	Musculoskeletal	45
1722	Other premature beats	42769	37930	MN	Cardiovascular	40
1723	Arthrodesis status	V454	62329	MN	Musculoskeletal	13
1724	Routine gynecological examination	V7231	2219176	MN	Reproductive.Female	42
1725	Other screening breast examination fo...	V7619	29882	EC	Reproductive.Female	30
1726	Paroxysmal supraventricular tachycardia	4270	37758	MN	Cardiovascular	72
1727	Acute cystitis	5950	143753	EC	Nephrologic	45
1728	Generalized pain	78096	409905	MN	Nonspecific	49
1730	Atherosclerosis of the extremities w/...	44021	48429	MN	Cardiovascular	40
1732	Removal and reinsertion of intrauterine cont. . .	V2513	16002	MN	Reproductive.Female	42
1733	Helicobacter pylori (H. pylori) infec. . .	4186	75694	MN	Gastrointestinal	45
1734	Psychosexual dysfunction with prematu. . .	30275	33588	MN	Psychogenic	45
1735	Other symptoms involving digestive sy. . .	78799	36203	MN	Gastrointestinal	36
1738	Other and unspecified disc disorder, . . .	72290	107460	MN	Musculoskeletal	40
1739	Other convulsions	78039	299465	MN	Neurologic	68
1740	Sprains and strains of other specific. . .	8448	37630	MN	Musculoskeletal	40
1741	Disorders of bursae and tendons in sh. . .	72610	462697	MN	Musculoskeletal	40
1742	Other, mixed, or unspecified drug abu. . .	30593	12393	MN	Psychogenic	58
1743	Myopathy, unspecified	3599	27844	MN	Musculoskeletal	54
1745	Other tenosynovitis or hand and wrist	72705	56443	MN	Musculoskeletal	45
1747	Enteritis of unspecified site	5559	213382	MN	Gastrointestinal	40
1748	Other orthopedic aftercare	V5489	42133	MN	Musculoskeletal	36
1749	Corneal foreign body	9300	39483	MN	Special.Sensory	49
1750	Metrorrhagia	6266	19601	MN	Reproductive.Female	49
1751	Dysmenorrhea	6253	183471	MN	Reproductive.Female	36
1752	Sprains and strains of thoracic	8471	221472	MN	Musculoskeletal	36
1753	Other seborrheic dermatitis	69018	22518	MN	Integumentary	26
1754	Open fracture of metacarpal bone(s), . . .	81510	12081	MN	Musculoskeletal	63
1755	Preoperative cardiovascular examination	V7281	38593	MN	Cardiovascular	59
1756	Contusion of knee	92411	80198	MN	Musculoskeletal	26
1757	Secondary hyperparathyroidism(of renal..)	58881	15474	MN	Endocrine	49
1758	Malignant neoplasm of renal pelvis	1891	17594	MN	Nephrologic	81
1760	Foreign body in digestive system, uns. . .	938	6648	MN	Gastrointestinal	49
1761	Other screening mammogram for maligna. . .	V7612	158536	EC	Reproductive.Female	48
1763	Laboratory examination ordered as part. . .	V7262	76283	MN	Nonspecific	36
1764	Ulcer of heel and midfoot, exc decubitus	70714	5181	MN	Integumentary	49
1765	Unspecified intestinal obstruction	5609	65725	MN	Gastrointestinal	73
1766	Atherosclerosis of other specified ar. . .	4408	7828	MN	Cardiovascular	45
1767	Closed fracture of middle or proximal. . .	81601	28430	MN	Musculoskeletal	54
1768	Personal history of other musculoskeletal disorders	V1359	1985	MN	Musculoskeletal	24
1769	Other anomalies lower limb, including. . .	75569	3298	MN	Musculoskeletal	30
1770	Bacterial enteritis, unspecified	85	28430	MN	Gastrointestinal	49
1771	Elbow, forearm, and wrist injury, oth. . .	9593	90423	MN	Musculoskeletal	38
1772	Anemia, unspecified	2859	1496928	MN	Hematologic.Immune	49
1775	Other closed fractures of distal end . . .	81342	12464	MN	Musculoskeletal	54

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1778	Pityriasis versicolor	1110	39643	MN	Integumentary	26
1779	Family history of Oth musculoskeletal diseases	V1789	1985	MN	Musculoskeletal	13
1780	Screening mammogram for high-risk pat...	V7611	34771	EC	Reproductive.Female	48
1781	Hip replacement	V4364	10449	MN	Musculoskeletal	36
1783	Headache	7840	2290819	MN	Neurologic	49
1784	Oppositional disorder	31381	23075	MN	Psychogenic	40
1785	Dysmetabolic syndrome X	2777	569545	MN	Endocrine	40
1786	Carbuncle and furuncle of unspecified...	6809	186372	MN	Integumentary	31
1787	Other voice disturbance	78449	25279	EC	Respiratory	49
1788	Osteoarthritis, unspec generalized or...	71590	2630345	MN	Musculoskeletal	26
1789	Paranoid personality disorder	3010	6466	MN	Psychogenic	49
1793	Unspecified local infection of skin a...	6869	117843	MN	Integumentary	36
1794	Nephritis/nephropathy w/unspec pathol...	5839	42249	MN	Nephrologic	54
1795	Unspecified contusion of eye	9219	1985	MN	Special.Sensory	58
1796	Lumbar region spondylosis with myelop...	72142	4201	EC	Musculoskeletal	54
1798	Mechanical complication of tracheostomy	51902	12176	EC	Respiratory	42
1799	Sprains and strains of medial collate...	8441	49991	MN	Musculoskeletal	45
1800	Chronic prostatitis	6011	18303	EC	Reproductive.Male	45
1801	Unspecified disorder of eye movements	3789	3415	MN	Special.Sensory	43
1802	Insertion of intrauterine contraceptive device	V2511	58105	MN	Reproductive.Female	39
1803	Asymptomatic human immunodeficiency v...	V08	19549	MN	Hematologic.Immune	70
1804	Cerebral thrombosis with cerebral inf...	43401	11398	MN	Neurologic	82
1805	Lesion of radial nerve	3543	11829	MN	Neurologic	58
1807	Seroma complicating a procedure	99813	11942	MN	Integumentary	31
1808	Unspecified anomaly of heart	7469	8187	MN	Cardiovascular	54
1809	Solitary cyst of breast	6100	7687	EC	Reproductive.Female	43
1810	Chronic lymphocytic thyroiditis	2452	83762	MN	Endocrine	47
1811	Injury to other specified sites, incl...	9598	20384	MN	Nonspecific	40
1812	Precordial pain	78651	17420	MN	Cardiovascular	62
1814	Sprains and strains of carpal (joint)	84201	7437	MN	Musculoskeletal	35
1815	Synovial cyst, unspecified	72740	7437	MN	Musculoskeletal	39
1816	Intrauterine death, delivered with or...	65641	29644	MN	Reproductive.Female	70
1817	Plantar wart	7812	146421	MN	Integumentary	18
1818	Unspecified monoarthritis, lower leg	71666	18233	MN	Musculoskeletal	43
1819	Open wound of vagina, without mention...	8786	15464	MN	Reproductive.Female	50
1820	Squamous cell carcinoma skin upper limb, inc shoulder	17362	28430	MN	Integumentary	62
1821	Open wound of auditory canal	87202	16002	EC	Special.Sensory	47
1822	Mononeuritis of lower limb, unspecified	3558	28938	MN	Neurologic	50
1823	Effusion of joint of forearm	71903	9344	MN	Musculoskeletal	43
1824	Ulcer of lower limbs, exc decubitus, uns	70710	69026	MN	Integumentary	43
1826	Unspecified pruritic disorder	6989	220050	MN	Integumentary	47
1827	Nontoxic uninodular goiter	2410	142001	MN	Endocrine	43
1828	Unspecified disorder of kidney and ur...	5939	277851	MN	Nephrologic	49
1829	Major depressive disorder, single epi...	29622	11398	MN	Psychogenic	50
1830	Other forms of retinal detachment	36189	27114	MN	Special.Sensory	87
1831	Pleurisy unspecified pleural effusion	5119	74075	MN	Respiratory	60

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1832	Congenital dislocation of hip, bilateral	75431	3789	MN	Musculoskeletal	58
1835	Other synovitis and tenosynovitis	72709	111610	MN	Musculoskeletal	47
1836	Other enthesopathy of knee	72669	11398	MN	Musculoskeletal	43
1837	Osteoarthritis, unspec generalized or...	71591	73920	MN	Musculoskeletal	39
1838	Hypoxemia	79902	143650	MN	Respiratory	70
1839	Special screening for malignant neopl...	V7643	7437	EC	Integumentary	54
1840	Other abnormal blood chemistry	7906	192663	MN	Nonspecific	36
1842	Abscess of Bartholin's gland	6163	28430	MN	Reproductive.Female	58
1843	Lump or mass in breast	61172	275096	MN	Reproductive.Female	62
1844	Opioid type dependence, continuous	30401	91370	MN	Psychogenic	62
1845	Whooping cough, unspecified organism	339	29838	MN	Respiratory	58
1846	Other specified iron deficiency anemias	2808	3185	MN	Hematologic.Immune	54
1847	Constipation, unspecified	56400	1148884	MN	Gastrointestinal	39
1848	Prtial epilepsy, w/impair of consciou...	34540	6350	MN	Neurologic	70
1849	Acute gastritis without mention of ob...	53500	48972	MN	Gastrointestinal	50
1850	Observation for abuse and neglect	V7181	27114	EC	Patient-based.Systems	58
1851	Tachycardia, unspecified	7850	213802	MN	Cardiovascular	62
1852	Chronic airway obstruction, not elsew...	496	2389035	MN	Respiratory	58
1854	Other specified disorders of joint, u...	71982	7582	MN	Musculoskeletal	36
1855	Prolonged posttraumatic stress disorder	30981	140561	MN	Psychogenic	58
1856	Other acquired deformities of ankle a...	73679	12247	MN	Musculoskeletal	39
1857	Unspec malignant neoplasm of skin, site unspec	17390	16002	MN	Integumentary	66
1858	Pain in joint of hand	71944	117256	MN	Musculoskeletal	43
1859	Disorders of sacrum	7246	62808	MN	Musculoskeletal	36
1860	Explosive personality disorder	3013	4382	MN	Psychogenic	43
1861	Acute bronchiolitis due to other infe...	46619	108193	MN	Respiratory	62
1862	Benign neoplasm of skin of lower limb...	2167	29644	MN	Integumentary	27
1864	Other hemochromatosis	27503	35825	EC	Hematologic.Immune	58
1865	Anal or rectal pain	56942	14203	MN	Gastrointestinal	47
1866	Impacted cerumen	3804	721552	MN	Special.Sensory	31
1867	Unspecified testicular dysfunction	2579	14342	MN	Reproductive.Male	59
1868	Secondary malignant neoplasm of bone ...	1985	3798	MN	Musculoskeletal	75
1869	Other disorders of synovium, tendon, ...	72789	42802	MN	Musculoskeletal	40
1871	Abdominal tenderness, right upper qua...	78961	2491	MN	Gastrointestinal	58
1872	Other and unspecified anomalies of mu...	7569	37630	EC	Musculoskeletal	59
1873	Old myocardial infarction	412	37630	MN	Cardiovascular	62
1874	Preoperative examination, unspecified	V7284	520750	MN	Nonspecific	49
1875	Special screening malig neopl of colon	V7651	219463	EC	Gastrointestinal	47
1876	Mastodynia	61171	165805	MN	Reproductive.Female	39
1877	Other anaphylactic shock	9950	55543	EC	Nonspecific	92
1878	Gastrojejunal ulcer unspec acut/chron...	53490	11463	MN	Gastrointestinal	62
1879	Seborrheic dermatitis, unspecified	69010	45840	MN	Integumentary	22
1880	Other acute reactions to stress	3083	22913	MN	Psychogenic	47
1881	Intestinal parasitism, unspecified	129	37630	MN	Gastrointestinal	50
1882	Unspecified degree burn of ankle	94503	2967	MN	Integumentary	49
1883	Other specified sites of sprains and ...	8488	54365	MN	Musculoskeletal	36

Continued

Appendix A Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	TPS Category	IoH
1884	Acquired absence of both cervix and uterus	V8801	45825	MN	Reproductive.Female	27
1885	Sunburn	69271	7691	MN	Integumentary	26
1886	Other contraceptive method	V2549	110904	MN	Reproductive.Female	39
1887	Other color vision deficiencies	36859	6196	MN	Special.Sensory	27
1888	Other bursitis	7273	146064	MN	Musculoskeletal	39
1890	Contact dermatitis/eczema of due to p...	6926	389724	MN	Integumentary	33
1892	Other nerve root and plexus disorders	3538	56859	MN	Neurologic	49
1893	Esophageal varices without mention of...	4561	27499	MN	Gastrointestinal	54

ICD-9, International Classification of Diseases, Ninth Revision; IoH, Index of Harm; TPS, test plan specifications.

Appendix B: ICD-9 Codes Removed from the Final Dataset (n = 198)

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	Reason Excluded	IoH
9	Other postsurgical status	V4589	278112	EC	Too.Vague	54
11	Other specified diseases due to Chlam...	7888	12888	EC	Too.Vague	48
16	Unspecified nutritional deficiency	2699	2557	EC	Too.Vague	42
29	Malignant neoplasm of other and unspe...	1759	7519	EC	Too.Vague	75
30	Special screening for unspecified mal...	V769	54227	EC	Too.Vague	46
35	Other postoperative infection	99859	45457	EC	Too.Vague	65
41	Family history of other specified mal...	V168	37630	EC	Too.Vague	25
49	Special screening for other and unspe...	V781	27114	EC	Too.Vague	30
56	Fertility testing	V2621	4372	EC	Too.Vague	37
63	Candidiasis of other urogenital sites	1122	18558	EC	Too.Vague	36
69	Family hx of malignant neoplasm ...	V160	1522	EC	Too.Vague	36
87	Other specified noninflammatory disor...	6238	84448	EC	Too.Vague	26
96	Anaphylactic shock due to tree nuts a...	99564	12776	EC	No.Consensus	89
99	Body Mass Index 26.0 to 26.9, adult	V8522	35144	EC	No.Consensus	27
102	Other specified disorders involving t...	2798	4593	EC	No.Consensus	34
110	Nocturia	78843	129444	EC	No.Consensus	33
114	Malignant neoplasm other w/o specific...	1991	115965	EC	Too.Vague	82
119	Acute gonococcal infection of lower g...	980	80421	EC	Too.Vague	53
121	Family hx of malignant neoplasm ...	V163	9508	EC	Too.Vague	38
149	Herpes simplex without mention of com...	549	266826	EC	Too.Vague	42
152	Inj to mult and unsp intrathor orgn w...	8628	16224	EC	Too.Vague	68
154	Noncodable diagnosis/insuff info for ...	V990	1461460	EC	Too.Vague	5
156	Abdominal or pelvic swelling, mass, o...	78932	7643	EC	Too.Vague	53
177	Malig neoplasm of connectiv/oth soft ...	1719	9122	EC	Too.Vague	78
182	Other stomatitis and mucositis (ulcerative)	52809	6228	EC	No.Consensus	42
191	Swelling, mass, or lump in head and neck	7842	120116	EC	Too.Vague	44
196	Sterilization	V252	24057	EC	Too.Vague	43
199	Gout, unspecified	2749	907988	EC	No.Consensus	49
203	Hemophilus influenza, type B [Hib]	V0381	5656	EC	No.Consensus	59
219	Other specified counseling	V6549	473364	EC	Too.Vague	34
222	Stomatitis and mucositis, unspecified	52800	5306	EC	No.Consensus	32
227	Personal history of malignant neoplas...	V1046	97016	EC	Too.Vague	51
236	Open wound of tooth (broken)	87363	55288	EC	No.Consensus	41
253	Other adverse food reactions, NEC	9957	24095	EC	Too.Vague	34
269	Chronic pain syndrome	3384	1494376	EC	No.Consensus	62
277	Other specified chlamydial infection	7988	15464	EC	Too.Vague	54
279	Deficiency of other vitamins	2691	13439	EC	Too.Vague	42
319	Other B-complex deficiencies	2662	193679	EC	Too.Vague	41
326	Hemorrhage, unspecified	4590	52398	EC	Too.Vague	65
327	Giant cell arteritis	4465	6737	EC	No.Consensus	70
331	Chronic pain due to trauma	33821	17311	EC	Too.Vague	53
336	Diagnostic skin and sensitization tests	V727	17594	EC	Too.Vague	30
346	Contusion of unspecified part of uppe...	9239	45638	EC	No.Consensus	20
366	Other injury of other sites of trunk	95919	118538	EC	Too.Vague	38
369	Swelling, mass, or lump in chest	7866	85370	EC	Too.Vague	45
381	Malignant neoplasm of lower limb, inc...	1713	28430	EC	Too.Vague	72
383	Unspecified vitamin deficiency	2692	16399	EC	Too.Vague	41

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Appendix B Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	Reason Excluded	IoH
387	Special screening examination for oth...	V7389	58267	EC	Too.Vague	36
396	Open wound of knee, leg [except thigh...]	8911	27114	EC	Too.Vague	43
399	Benign neoplasm of site unspecified	2299	10426	EC	Too.Vague	12
401	Examination for medicolegal reasons	V704	19826	EC	No.Consensus	29
409	Inflammatory conditions	5264	14370	EC	Too.Vague	40
413	Contact with or exposure to venereal ...	V016	47074	EC	Too.Vague	52
417	Counseling NOS	V6540	75836	EC	Too.Vague	40
426	Hypercalcemia	27542	49616	EC	No.Consensus	60
427	Adult sexual abuse	99583	16822	EC	No.Consensus	65
430	Morbid obesity	27801	770970	EC	No.Consensus	63
454	Personal history of oth allergy, oth than med agents	V1509	28430	EC	Too.Vague	24
459	Dietary surveillance and counseling	V653	337026	EC	No.Consensus	44
470	Acquired absence of genital organs	V4577	32927	EC	Too.Vague	41
475	Other venereal dis due to Chlamydia t...	9950	6503	EC	Too.Vague	59
476	Other specified conditions originating perinatal period	77989	33179	EC	Too.Vague	44
479	Organic insomnia, unspecified	32700	18850	EC	No.Consensus	54
487	Chlamydia trachomatis	9941	12081	EC	No.Consensus	54
490	Personal history of malignant neoplas...	V1009	46806	EC	Too.Vague	56
491	Contusion of back	92231	83373	EC	No.Consensus	27
495	High-risk sexual behavior	V692	95710	EC	No.Consensus	54
497	Chest pain, unspecified	78650	1394712	EC	Too.Vague	67
498	History of fall	V1588	13681	EC	No.Consensus	46
502	Other infections specific to the perinatal period	77189	5008	EC	Too.Vague	54
510	Hypertrophy of tonsils alone	47411	86503	EC	No.Consensus	33
527	Ear piercing	V503	23291	EC	No.Consensus	5
528	Body Mass Index between 19 to 24, adult	V851	17572	EC	No.Consensus	4
542	Hernia of unspecified site	5539	159988	EC	Too.Vague	40
547	Streptococcus, unspecified bacterial ...	4100	14615	EC	Too.Vague	47
550	Reaction to spinal or lumbar puncture	3490	3460	EC	Too.Vague	45
579	Laboratory examination, unspecified	V7260	15980	EC	Too.Vague	23
594	Unspecified septicemia	389	37630	EC	No.Consensus	93
603	Systemic lupus erythematosus	7100	168594	EC	No.Consensus	70
627	Personal history of noncompliance wit...	V1581	52542	EC	No.Consensus	44
634	Exposure to pot hazardous bodily fluids	V1585	117969	EC	Too.Vague	65
639	Other/unspec complications of medical...	9999	9554	EC	Too.Vague	35
643	Allergic rhinitis due to food	4771	27114	EC	No.Consensus	29
651	Arthropod-borne disease, unspecified	889	28430	EC	Too.Vague	54
659	Varicella without mention of complica...	529	111509	EC	No.Consensus	46
661	Other replacement	V4369	9344	EC	Too.Vague	27
681	Observation following alleged rape or...	V715	4809	EC	No.Consensus	65
682	Other specified general medical exami...	V708	51330	EC	No.Consensus	42
686	Unspecified follow-up examination	V679	1367568	EC	Too.Vague	19
701	Nonallopathic lesions, abdomen and other	7399	122158	EC	No.Consensus	25
741	Contusion of multiple sites, not else...	9248	53026	EC	Too.Vague	32
753	Fracture of nasal bones, closed	8020	46806	EC	No.Consensus	40
764	Personal history Other disorders of nervous system and...	V1249	116088	EC	Too.Vague	44

Continued

Appendix B Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	Reason Excluded	IoH
773	Other person consult on behalf of another...	V6519	3406	EC	No.Consensus	19
813	Other Streptococcus bacterial infection	4109	3798	EC	Too.Vague	44
827	Other specified diffuse diseases of c...	7108	37630	EC	Too.Vague	38
843	Personal history of other injury	V1559	55619	EC	Too.Vague	27
852	Personal history of other hazards to ...	V1589	84508	EC	Too.Vague	27
856	Alcohol withdrawal delirium	2910	28236	EC	No.Consensus	78
861	Other specified viral infection	7989	2557	EC	Too.Vague	32
867	Special screening for malignant neopl...	V7644	124634	EC	Too.Vague	39
870	Special screening examination for ven...	V745	137618	EC	Too.Vague	39
873	Benign carcinoid tumor of unknown prim..	20960	9973	EC	Too.Vague	66
881	Surgical/oth proc not carried out bec...	V642	28045	EC	No.Consensus	14
890	Prophylactic vaccination/inoculation ...	V053	45360	EC	No.Consensus	46
891	Sleep related leg cramps	32752	28430	EC	No.Consensus	39
896	Other specified delays in development	3158	22020	EC	Too.Vague	55
929	Oth current cond class elsewhr, ante...	64893	132471	EC	Too.Vague	36
932	Hemophilus influenzae [H. influenzae]...	415	9554	EC	Too.Vague	48
942	Examination following radiotherapy	V671	3742	EC	Too.Vague	28
950	Glossopharyngeal neuralgia	3521	7687	EC	No.Consensus	48
952	Angioneurotic edema	9951	67242	EC	No.Consensus	57
973	Contact with or exposure to varicella	V0171	6501	EC	No.Consensus	29
974	Human papilloma virus	794	11439	EC	No.Consensus	44
977	Abdominal or pelvic swelling, mass, o...	78930	82946	EC	Too.Vague	62
980	Coxsackie virus	792	6288	EC	Too.Vague	41
989	Special screening for unspecified con...	V829	24545	EC	Too.Vague	24
999	Other lymphedema	4571	12447	EC	No.Consensus	41
1016	Polyphagia	7836	42397	EC	No.Consensus	37
1021	Lack of adequate sleep	V694	13326	EC	Too.Vague	34
1038	Other specified contraceptive management	V258	80541	EC	No.Consensus	47
1068	Other nongonococcal urethritis [NGU],...	9940	13006	EC	No.Consensus	52
1072	Open wound of upper arm, complicated	88013	9986	EC	Too.Vague	50
1082	Other and unspecified diseases of the...	5289	173005	EC	No.Consensus	34
1084	Acquired deformity of other specified...	7388	4342	EC	Too.Vague	28
1089	Benign neoplasm of tongue	2101	37630	EC	No.Consensus	34
1108	Abnormal chest sounds	7867	37630	EC	Too.Vague	45
1154	Leukorrhea, not specified as infective	6235	159964	EC	No.Consensus	29
1156	Contusion of face, scalp, and neck ex...	920	112907	EC	No.Consensus	34
1174	Benign neoplasm of other specified sites	2298	16425	EC	Too.Vague	31
1182	Unspecified viral infection	7999	521567	EC	Too.Vague	34
1193	Contusion of unspecified site	9249	220991	EC	Too.Vague	29
1221	Foreign body in mouth	9350	4371	EC	No.Consensus	41
1239	Other nonspecific abnormal findings	7969	9388	EC	Too.Vague	28
1263	Flushing	78262	16935	EC	No.Consensus	26
1266	Candidiasis of unspecified site	1129	169614	EC	No.Consensus	32
1275	Special screening for other/unspec ca...	V812	164577	EC	Too.Vague	44
1278	Unspecified vitamin B deficiency	2669	47238	EC	Too.Vague	41
1288	Other counseling and advice for contr...	V2509	365741	EC	No.Consensus	47
1302	Contact with or exp to other communic...	V0189	36617	EC	Too.Vague	35

Continued

Appendix B Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	Reason Excluded	IoH
1303	Polyarticular juvenile rheumatoid art...	71430	7136	EC	No.Consensus	65
1319	Disorders of soft tissue, unspecified	72990	12647	EC	Too.Vague	35
1322	Swelling of limb	72981	342354	EC	Too.Vague	49
1328	Mechan complic due to oth implnt/inte...	99659	18558	EC	Too.Vague	47
1341	Infected postoperative seroma	99851	3798	EC	Too.Vague	52
1385	Contusion of buttock	92232	46913	EC	No.Consensus	32
1391	Genital herpes, unspecified	5410	66679	EC	Too.Vague	46
1406	Polymyalgia rheumatica	725	97420	EC	No.Consensus	60
1407	Special screening examination for mal...	V751	17594	EC	No.Consensus	32
1446	Other and unspec Escherichia coli [E. coli]	4149	3177	EC	Too.Vague	50
1470	Gilles de la Tourette's disorder	30723	15223	EC	No.Consensus	50
1471	Other chronic pain	33829	2012835	EC	Too.Vague	59
1473	Streptococcus, Group B bacterial infe...	4102	16950	EC	Too.Vague	50
1491	Tracheoesophageal fistula, esophageal...	7503	5234	EC	No.Consensus	66
1495	Other healthy infant or child receivi...	V201	22341	EC	Too.Vague	30
1498	Decreased libido	79981	39003	EC	No.Consensus	40
1504	Urethritis, unspecified	59780	82696	EC	No.Consensus	53
1521	Exposure to mold	V8731	17594	EC	No.Consensus	30
1612	Neonatal Candida infection	7717	18061	EC	Too.Vague	47
1615	Personal history of other infectious ...	V1209	97978	EC	Too.Vague	39
1619	Prophylactic vaccin/inoculatn agnst m...	V064	24878	EC	No.Consensus	45
1625	Sciatica	7243	860164	EC	No.Consensus	42
1631	Other specified preoperative examination	V7283	253185	EC	No.Consensus	39
1644	Open wound of hip and thigh with tend...	8902	1985	EC	No.Consensus	60
1647	Other disorders of soft tissue	72999	4074	EC	Too.Vague	33
1680	Neoplasms of unspecified nature site ...	2399	12719	EC	Too.Vague	50
1682	Contusion of unspecified part of lowe...	9245	51593	EC	No.Consensus	22
1699	Contusion of thigh	92400	10432	EC	No.Consensus	15
1701	Herpetic gingivostomatitis	542	5987	EC	No.Consensus	40
1706	Late effects of other and unspec infe...	1398	28430	EC	Too.Vague	42
1729	Other ventral hernia	55329	4511	EC	No.Consensus	36
1731	Abnormality of gait	7812	142207	EC	No.Consensus	40
1736	Oth & unspec spec symptoms/syndromes,...	3079	7312	EC	Too.Vague	42
1737	Other symptoms involving head and neck	78499	149981	EC	Too.Vague	42
1744	Anaphylactic shock due to peanuts	99561	12776	EC	No.Consensus	91
1746	Premenstrual tension syndromes	6254	118033	EC	No.Consensus	36
1759	Unspecified chlamydial infection	7998	4328	EC	Too.Vague	54
1762	Special screeng exam for oth spec bac...	V748	14753	EC	Too.Vague	36
1773	Other hyperalimentation	2788	16399	EC	No.Consensus	42
1774	Shortness of breath	78605	479608	EC	No.Consensus	85
1776	Hepatic coma	5722	9554	EC	No.Consensus	72
1777	Other abnormal clinical findings	7964	84634	EC	Too.Vague	30
1782	Other drug allergy	99527	113349	EC	Too.Vague	45
1790	Contusion of finger	9233	88972	EC	No.Consensus	20
1791	Personal history of unspecified disease	V139	14372	EC	Too.Vague	30
1792	Staphylococcus bacterial infection, u...	4110	18347	EC	Too.Vague	59

Continued

Appendix B Continued

Item	ICD-9 Description	ICD-9 Code	Weighted Frequency	Decision Round	Reason Excluded	IoH
1797	Injury to unspecified site	9599	92535	EC	Too.Vague	30
1806	Injury of face and neck	95909	30920	EC	Too.Vague	54
1813	Other cardiorespiratory problems	V472	28430	EC	Too.Vague	63
1825	Other chest pain	78659	321974	EC	Too.Vague	54
1833	Aftercare following surgery genito sys, nec	V5876	28430	EC	No.Consensus	40
1834	Oth/unspec superfic injury of hip/thi...	9168	12393	EC	No.Consensus	35
1841	Spinal stenosis, lumbar region, w/neuro claudication	72402	103840	EC	No.Consensus	58
1853	Anorexia	7830	92742	EC	No.Consensus	62
1863	Diabetes w/ophthalmic manifestations,...	25050	136985	EC	No.Consensus	66
1870	Ot venereal dis due to Chlamydia trac...	9954	7140	EC	Too.Vague	54
1889	Other specified noninflammatory disor...	6248	31480	EC	Too.Vague	31
1891	Contusion of lower leg	92410	34756	EC	No.Consensus	22

Note: Please contact the corresponding author for more information regarding the data.