

## Supplemental Information

The AHRQ Clinical Classifications Software clinical codes were used to group *International Classification*

*of Diseases, 10th Revision*, codes for infectious illness and chronic conditions. Our outcomes were

short hospitalizations for infectious illness and chronic conditions in children.

**SUPPLEMENTAL TABLE 4** CCS Code Grouping for Broad Diagnosis Categories

CCS Code <sup>a</sup>	CCS Description	Broad Category
1	Tuberculosis	Infection
2	Septicemia (except in labor)	Infection
3	Bacterial infection; unspecified site	Infection
4	Mycoses	Infection
5	HIV infection	Infection
6	Hepatitis	Infection
7	Viral infection	Infection
8	Other infections; including parasitic	Infection
9	Sexually transmitted infections (not HIV or hepatitis)	Infection
10	Immunizations and screening for infectious disease	Infection
11	Cancer of head and neck	Excluded
12	Cancer of esophagus	Excluded
13	Cancer of stomach	Excluded
14	Cancer of colon	Excluded
15	Cancer of rectum and anus	Excluded
16	Cancer of liver and intrahepatic bile duct	Excluded
17	Cancer of pancreas	Excluded
18	Cancer of other GI organs; peritoneum	Excluded
19	Cancer of bronchus; lung	Excluded
20	Cancer; other respiratory and intrathoracic	Excluded
21	Cancer of bone and connective tissue	Excluded
22	Melanomas of skin	Excluded
23	Other nonepithelial cancer of skin	Excluded
24	Cancer of breast	Excluded
25	Cancer of uterus	Excluded
26	Cancer of cervix	Excluded
27	Cancer of ovary	Excluded
28	Cancer of other female genital organs	Excluded
29	Cancer of prostate	Excluded
30	Cancer of testis	Excluded
31	Cancer of other male genital organs	Excluded
32	Cancer of bladder	Excluded
33	Cancer of kidney and renal pelvis	Excluded
34	Cancer of other urinary organs	Excluded
35	Cancer of brain and nervous system	Excluded
36	Cancer of thyroid	Excluded
37	Hodgkin's disease	Excluded
38	Non-Hodgkin's lymphoma	Excluded
39	Leukemias	Excluded
40	Multiple myeloma	Excluded
41	Cancer; other and unspecified primary	Excluded
42	Secondary malignancies	Excluded
43	Malignant neoplasm without specification of site	Excluded
44	Neoplasms of unspecified nature or uncertain behavior	Excluded
45	Maintenance chemotherapy; radiotherapy	Excluded
46	Benign neoplasm of uterus	Excluded
47	Other and unspecified benign neoplasm	Excluded
48	Thyroid disorders	Chronic
49	Diabetes mellitus without complication	Chronic
50	Diabetes mellitus with complications	Chronic
51	Other endocrine disorders	Chronic
52	Nutritional deficiencies	Chronic
53	Disorders of lipid metabolism	Chronic
54	Gout and other crystal arthropathies	Chronic
55	Fluid and electrolyte disorders	Chronic
56	Cystic fibrosis	Chronic
57	Immunity disorders	Chronic
58	Other nutritional; endocrine; and metabolic disorders	Chronic
59	Deficiency and other anemia	Chronic
60	Acute posthemorrhagic anemia	Chronic
61	Sickle cell anemia	Chronic
62	Coagulation and hemorrhagic disorders	Chronic

TABLE 4 Continued

CCS Code <sup>a</sup>	CCS Description	Broad Category
63	Diseases of white blood cells	Chronic
64	Other hematologic conditions	Chronic
65	Mental retardation	Excluded
66	Alcohol-related mental disorders	Excluded
67	Substance-related mental disorders	Excluded
68	Senility and organic mental disorders	Excluded
69	Affective disorders	Excluded
70	Schizophrenia and related disorders	Excluded
71	Other psychoses	Excluded
72	Anxiety; somatoform; dissociative; and personality disorders	Excluded
73	Preadult disorders	Excluded
74	Other mental conditions	Excluded
75	Personal history of mental disorder; mental and behavioral problems; observation and screening for mental condition	Excluded
76	Meningitis (except that caused by tuberculosis or sexually transmitted disease)	Infection
77	Encephalitis (except that caused by tuberculosis or sexually transmitted disease)	Infection
78	Other CNS infection and poliomyelitis	Infection
79	Parkinson's disease	Excluded
80	Multiple sclerosis	Chronic
81	Other hereditary and degenerative nervous system conditions	Chronic
82	Paralysis	Chronic
83	Epilepsy; convulsions	No direct categorization (see Supplemental Table 5)
84	Headache; including migraine	Chronic
85	Coma; stupor; and brain damage	Chronic
86	Cataract	Chronic
87	Retinal detachments; defects; vascular occlusion; and retinopathy	Chronic
88	Glaucoma	Chronic
89	Blindness and vision defects	Chronic
90	Inflammation; infection of eye (except that caused by tuberculosis or sexually transmitted disease)	Infection
91	Other eye disorders	Chronic
92	Otitis media and related conditions	Infection
93	Conditions associated with dizziness or vertigo	Chronic
94	Other ear and sense organ disorders	Chronic
95	Other nervous system disorders	Chronic
96	Heart valve disorders	Chronic
97	Peri-, endo-, and myocarditis; cardiomyopathy (except that caused by tuberculosis or sexually transmitted disease)	Chronic
98	Essential hypertension	Chronic
99	Hypertension with complications and secondary hypertension	Chronic
100	Acute myocardial infarction	Excluded
101	Coronary atherosclerosis and other heart disease	Chronic
102	Nonspecific chest pain	Chronic
103	Pulmonary heart disease	Chronic
104	Other and ill-defined heart disease	Chronic
105	Conduction disorders	Chronic
106	Cardiac dysrhythmias	Chronic
107	Cardiac arrest and ventricular fibrillation	Chronic
108	Congestive heart failure; nonhypertensive	Chronic
109	Acute cerebrovascular disease	Chronic
110	Occlusion or stenosis of precerebral arteries	Chronic
111	Other and ill-defined cerebrovascular disease	Chronic
112	Transient cerebral ischemia	Chronic
113	Late effects of cerebrovascular disease	Chronic
114	Peripheral and visceral atherosclerosis	Chronic
115	Aortic; peripheral; and visceral artery aneurysms	Chronic
116	Aortic and peripheral arterial embolism or thrombosis	Chronic
117	Other circulatory disease	Chronic
118	Phlebitis; thrombophlebitis and thromboembolism	Chronic
119	Varicose veins of lower extremity	Chronic
120	Hemorrhoids	Chronic
121	Other diseases of veins and lymphatics	Chronic

**TABLE 4** Continued

CCS Code <sup>a</sup>	CCS Description	Broad Category
122	Pneumonia (except that caused by tuberculosis or sexually transmitted disease)	Infection
123	Influenza	Infection
124	Acute and chronic tonsillitis	Infection
125	Acute bronchitis	Infection
126	Other upper respiratory infections	Infection
127	Chronic obstructive pulmonary disease and bronchiectasis	Infection
128	Asthma	Chronic
129	Aspiration pneumonitis; food/vomitus	Chronic
130	Pleurisy; pneumothorax; pulmonary collapse	Infection
131	Respiratory failure; insufficiency; arrest (adult)	Chronic
132	Lung disease due to external agents	Chronic
133	Other lower respiratory disease	Chronic
134	Other upper respiratory disease	No direct categorization (see Supplemental Table 5)
135	Intestinal infection	Infection
136	Disorders of teeth and jaw	Excluded
137	Diseases of mouth; excluding dental	Chronic
138	Esophageal disorders	Chronic
139	Gastroduodenal ulcer (except hemorrhage)	Chronic
140	Gastritis and duodenitis	Chronic
141	Other disorders of stomach and duodenum	Chronic
142	Appendicitis and other appendiceal conditions	Excluded
143	Abdominal hernia	Excluded
144	Regional enteritis and ulcerative colitis	Chronic
145	Intestinal obstruction without hernia	Excluded
146	Diverticulosis and diverticulitis	Chronic
147	Anal and rectal conditions	Chronic
148	Peritonitis and intestinal abscess	Infection
149	Biliary tract disease	Chronic
150	Liver disease; alcohol-related	Chronic
151	Other liver diseases	Chronic
152	Pancreatic disorders (not diabetes)	Chronic
153	Gastrointestinal hemorrhage	Chronic
154	Noninfectious gastroenteritis	Chronic
155	Other gastrointestinal disorders	Chronic
156	Nephritis; nephrosis; renal sclerosis	Chronic
157	Acute and unspecified renal failure	Chronic
158	Chronic renal failure	Chronic
159	Urinary tract infections	Infection
160	Calculus of urinary tract	Chronic
161	Other diseases of kidney and ureters	Chronic
162	Other diseases of bladder and urethra	Chronic
163	Genitourinary symptoms and ill-defined conditions	Chronic
164	Hyperplasia of prostate	Excluded
165	Inflammatory conditions of male genital organs	Chronic
166	Other male genital disorders	Chronic
167	Nonmalignant breast conditions	Chronic
168	Inflammatory diseases of female pelvic organs	Chronic
169	Endometriosis	Chronic
170	Prolapse of female genital organs	Chronic
171	Menstrual disorders	Chronic
172	Ovarian cyst	Chronic
173	Menopausal disorders	Chronic
174	Female infertility	Chronic
175	Other female genital disorders	Chronic
176	Contraceptive and procreative management	Excluded
177	Spontaneous abortion	Excluded
178	Induced abortion	Excluded
179	Postabortion complications	Excluded
180	Ectopic pregnancy	Excluded
181	Other complications of pregnancy	Excluded
182	Hemorrhage during pregnancy; abruptio placenta; placenta previa	Excluded

TABLE 4 Continued

CCS Code <sup>a</sup>	CCS Description	Broad Category
183	Hypertension complicating pregnancy; childbirth and the puerperium	Excluded
184	Early or threatened labor	Excluded
185	Prolonged pregnancy	Excluded
186	Diabetes or abnormal glucose tolerance complicating pregnancy; childbirth; or the puerperium	Excluded
187	Malposition; malpresentation	Excluded
188	Fetopelvic disproportion; obstruction	Excluded
189	Previous cesarean section	Excluded
190	Fetal distress and abnormal forces of labor	Excluded
191	Polyhydramnios and other problems of amniotic cavity	Excluded
192	Umbilical cord complication	Excluded
193	OB-related trauma to perineum and vulva	Excluded
194	Forceps delivery	Excluded
195	Other complications of birth; puerperium affecting management of mother	Excluded
196	Normal pregnancy and/or delivery	Excluded
197	Skin and subcutaneous tissue infections	Infection
198	Other inflammatory condition of skin	Chronic
199	Chronic ulcer of skin	Chronic
200	Other skin disorders	Chronic
201	Infective arthritis and osteomyelitis (except that caused by tuberculosis or sexually transmitted disease)	Infection
202	Rheumatoid arthritis and related disease	Chronic
203	Osteoarthritis	Chronic
204	Other nontraumatic joint disorders	Chronic
205	Spondylosis; intervertebral disc disorders; other back problems	Chronic
206	Osteoporosis	Chronic
207	Pathologic fracture	Chronic
208	Acquired foot deformities	Chronic
209	Other acquired deformities	Chronic
210	Systemic lupus erythematosus and connective tissue disorders	Chronic
211	Other connective tissue disease	Chronic
212	Other bone disease and musculoskeletal deformities	Chronic
213	Cardiac and circulatory congenital anomalies	Chronic
214	Digestive congenital anomalies	Chronic
215	Genitourinary congenital anomalies	Chronic
216	Nervous system congenital anomalies	Chronic
217	Other congenital anomalies	Chronic
219	Short gestation; low birth weight; and fetal growth retardation	Chronic
220	Intrauterine hypoxia and birth asphyxia	Excluded
221	Respiratory distress syndrome	Chronic
222	Hemolytic jaundice and perinatal jaundice	Chronic
223	Birth trauma	Excluded
224	Other perinatal conditions	Chronic
225	Joint disorders and dislocations; trauma-related	Injury
226	Fracture of neck of femur (hip)	Injury
227	Spinal cord injury	Injury
228	Skull and face fractures	Injury
229	Fracture of upper limb	Injury
230	Fracture of lower limb	Injury
231	Other fractures	Injury
232	Sprains and strains	Injury
233	Intracranial injury	Injury
234	Crushing injury or internal injury	Injury
235	Open wounds of head; neck; and trunk	Injury
236	Open wounds of extremities	Injury
237	Complication of device; implant or graft	Excluded
238	Complications of surgical procedures or medical care	Excluded
239	Superficial injury; contusion	Injury
240	Burns	Injury
241	Poisoning by psychotropic agents	Excluded
242	Poisoning by other medications and drugs	Excluded
243	Poisoning by nonmedicinal substances	Excluded
244	Other injuries and conditions due to external causes	Injury
245	Syncope	Injury
246	Fever of unknown origin	Infection

**TABLE 4** Continued

CCS Code <sup>a</sup>	CCS Description	Broad Category
247	Lymphadenitis	Infection
248	Gangrene	Infection
249	Shock	Excluded
250	Nausea and vomiting	Infection
251	Abdominal pain	Infection
252	Malaise and fatigue	Chronic
253	Allergic reactions	Injury
254	Rehabilitation care; fitting of prostheses; and adjustment of devices	Excluded
255	Administrative/social admission	Excluded
256	Medical examination/evaluation	Excluded
257	Other aftercare	Excluded
258	Other screening for suspected conditions (not mental disorders or infectious disease)	Excluded
259	Residual codes; unclassified	Excluded
260	E Codes: All (external causes of injury and poisoning)	Injury

CNS, central nervous system; GI, gastrointestinal.

<sup>a</sup> Clinical Classification Software (CCS) codes are based on the *International Classification of Diseases, 10th Revision* (ICD-10), a uniform and standardized coding system. ICD-10 codes are collapsed into a smaller number of clinically meaningful categories. CCS code match tables are available from the AHRQ at: <http://www.hcup-us.ahrq.gov/toolssoftware/ccs10/ccs10.jsp> (accessed October 15, 2015). Childhood cancers have been excluded. A cancer diagnosis within primary care will trigger appropriate fast-tracked access to the hospital. Exclusions also include mental health conditions and conditions that do not relate to children/adolescents. ICD-10 codes were used to define infectious illnesses and chronic conditions in children in whom direct AHRQ CCS group categorization was not possible. Categorization was dependent on age of child in the diagnosis of wheezing.

**SUPPLEMENTAL TABLE 5** ICD-10 Code Grouping Into Broad Diagnosis Categories for Epilepsy and Excluded Upper Respiratory Disease

CCS Code	CCS Description	ICD-10 Code	ICD-10 Description	Condition	Broad Category
83	Epilepsy; convulsions	G40	Epilepsy		Chronic disease
83	Epilepsy; convulsions	G41	Status epilepticus		Chronic disease
83	Epilepsy; convulsions	R560	Febrile convulsions		Infection
83	Epilepsy; convulsions	R568	Other and unspecified convulsions		Chronic disease
134	Other upper respiratory disease	J30	Vasomotor and allergic rhinitis		Chronic disease
134	Other upper respiratory disease	J31	Chronic rhinitis, nasopharyngitis and pharyngitis		Chronic disease
134	Other upper respiratory disease	J33	Nasal polyp		Chronic disease
134	Other upper respiratory disease	J34	Excluded disorders of nose and nasal sinuses		Chronic disease
134	Other upper respiratory disease	J37	Chronic laryngitis and laryngotracheitis		Chronic disease
134	Other upper respiratory disease	J38	Disease of vocal cords and larynx, not elsewhere classified		Chronic disease
134	Other upper respiratory disease	J39	Other disease of upper respiratory tract		Chronic disease
134	Other upper respiratory disease	J98	Other respiratory disorders		Chronic disease
134	Other upper respiratory disease	R04	Hemorrhage from respiratory passages		Chronic disease
134	Other upper respiratory disease	R060	Dyspnoea		Chronic disease
134	Other upper respiratory disease	R062	Wheezing	If aged <1 y	Infection
134	Other upper respiratory disease	R062	Wheezing	If aged ≥1 y	Chronic
134	Other upper respiratory disease	R063	Periodic breathing		Chronic disease
134	Other upper respiratory disease	R064	Hyperventilation		Chronic disease
134	Other upper respiratory disease	R065	Mouth breathing		Chronic disease
134	Other upper respiratory disease	R067	Sneezing		Chronic disease
134	Other upper respiratory disease	R068	Other and unspecified abnormalities of breathing		Chronic disease
134	Other upper respiratory disease	R07	Pain in throat		Chronic disease
134	Other upper respiratory disease	R49	Voice disturbances		Chronic disease

AHRQ Clinical Classifications Software (CCS) codes were used to define ACS conditions. Broad CCS codes were used instead of individual *International Classification of Diseases, 10th Revision* (ICD-10) codes because the wide definitions reduced bias from misclassification. Numbers of unplanned admissions between April 2011 and March 2012 in children aged <15 years are included for reference. Our outcomes were all unplanned hospitalizations for ACS conditions.

**SUPPLEMENTAL TABLE 6** ICD-10 Code Grouping Into Pediatric ACS Conditions

CCS Code	CCS Description	ICD-10 Code	ICD-10 Description	No. of UPAs
<b>Asthma</b>				
128	Asthma	J45	Asthma	
128	Asthma	J450	Predominantly allergic asthma	1064
128	Asthma	J451	Nonallergic asthma	0
128	Asthma	J458	Mixed asthma	<5
128	Asthma	J459	Asthma, unspecified	18 454
128	Asthma	J46	Status asthmaticus	1846
<b>Diabetes</b>				
49	Diabetes mellitus without complication	E109	Type 1 diabetes mellitus without complications	2764
49	Diabetes mellitus without complication	E119	Type 2 diabetes mellitus without complications	63
49	Diabetes mellitus without complication	E12	Malnutrition-related diabetes mellitus	0
49	Diabetes mellitus without complication	E129	Malnutrition-related diabetes mellitus, without complications	0
49	Diabetes mellitus without complication	E13	Other specified diabetes mellitus	0
49	Diabetes mellitus without complication	E139	Other specified diabetes mellitus without complications	3
49	Diabetes mellitus without complication	E149	Unspecified diabetes mellitus, without complications	43
49	Diabetes mellitus without complication	R730	Abnormal carbohydrate tolerance	8
49	Diabetes mellitus without complication	R739	Hyperglycemia, unspecified	118
49	Diabetes mellitus without complication	R81	Glycosuria	10
49	Diabetes mellitus without complication	R824	Acetonuria	8
50	Diabetes mellitus with complications	E100	Insulin-dependent diabetes mellitus, with coma	38
50	Diabetes mellitus with complications	E101	Insulin-dependent diabetes mellitus, with ketoacidosis	1693
50	Diabetes mellitus with complications	E102	Insulin-dependent diabetes mellitus, with renal complications	0
50	Diabetes mellitus with complications	E103	Insulin-dependent diabetes mellitus, with ophthalmic complications	0
50	Diabetes mellitus with complications	E104	Insulin-dependent diabetes mellitus, with neurologic complications	0
50	Diabetes mellitus with complications	E105	Insulin-dependent diabetes mellitus, with peripheral circulatory complications	0
50	Diabetes mellitus with complications	E106	Insulin-dependent diabetes mellitus, with other specified complications	13
50	Diabetes mellitus with complications	E107	Insulin-dependent diabetes mellitus, with multiple complications	<5
50	Diabetes mellitus with complications	E108	Type 1 diabetes mellitus with unspecified complications	10
50	Diabetes mellitus with complications	E110	Non-insulin-dependent diabetes mellitus, with coma	<5
50	Diabetes mellitus with complications	E111	Non-insulin-dependent diabetes mellitus, with ketoacidosis	18
50	Diabetes mellitus with complications	E112	Non-insulin-dependent diabetes mellitus, with renal complications	0
50	Diabetes mellitus with complications	E113	Non-insulin-dependent diabetes mellitus, with ophthalmic complications	0
50	Diabetes mellitus with complications	E114	Non-insulin-dependent diabetes mellitus, with neurologic complications	0
50	Diabetes mellitus with complications	E115	Non-insulin-dependent diabetes mellitus, with peripheral circulatory complications	0
50	Diabetes mellitus with complications	E116	Non-insulin-dependent diabetes mellitus, with other specified complications	0
50	Diabetes mellitus with complications	E117	Non-insulin-dependent diabetes mellitus, with multiple complications	0
50	Diabetes mellitus with complications	E118	Type 2 diabetes mellitus with unspecified complications	0
50	Diabetes mellitus with complications	E120	Malnutrition-related diabetes mellitus, with coma	0
50	Diabetes mellitus with complications	E121	Malnutrition-related diabetes mellitus, with ketoacidosis	0
50	Diabetes mellitus with complications	E122	Malnutrition-related diabetes mellitus, with renal complications	0
50	Diabetes mellitus with complications	E123	Malnutrition-related diabetes mellitus, with ophthalmic complications	0
50	Diabetes mellitus with complications	E124	Malnutrition-related diabetes mellitus, with neurologic complications	0
50	Diabetes mellitus with complications	E125	Malnutrition-related diabetes mellitus, with peripheral circulatory complications	0
50	Diabetes mellitus with complications	E126	Malnutrition-related diabetes mellitus, with Excluded specified complications	0
50	Diabetes mellitus with complications	E127	Malnutrition-related diabetes mellitus, with multiple complications	0
50	Diabetes mellitus with complications	E128	Malnutrition-related diabetes mellitus, with unspecified complications	0
50	Diabetes mellitus with complications	E130	Other specified diabetes mellitus, with coma	0
50	Diabetes mellitus with complications	E131	Other specified diabetes mellitus, with ketoacidosis	0
50	Diabetes mellitus with complications	E132	Other specified diabetes mellitus, with renal complications	0
50	Diabetes mellitus with complications	E133	Other specified diabetes mellitus, with ophthalmic complications	0

TABLE 6 Continued

CCS Code	CCS Description	ICD-10 Code	ICD-10 Description	No. of UPAs
50	Diabetes mellitus with complications	E134	Other specified diabetes mellitus, with neurologic complications	0
50	Diabetes mellitus with complications	E135	Other specified diabetes mellitus, with peripheral circulatory complications	0
50	Diabetes mellitus with complications	E136	Other specified diabetes mellitus, with Excluded specified complications	<5
50	Diabetes mellitus with complications	E137	Other specified diabetes mellitus, with multiple complications	0
50	Diabetes mellitus with complications	E138	Other specified diabetes mellitus with unspecified complications	0
50	Diabetes mellitus with complications	E140	Unspecified diabetes mellitus, with coma	0
50	Diabetes mellitus with complications	E141	Unspecified diabetes mellitus, with ketoacidosis	25
50	Diabetes mellitus with complications	E142	Unspecified diabetes mellitus, with renal complications	<5
50	Diabetes mellitus with complications	E143	Unspecified diabetes mellitus, with ophthalmic complications	0
50	Diabetes mellitus with complications	E144	Unspecified diabetes mellitus, with neurologic complications	0
50	Diabetes mellitus with complications	E145	Unspecified diabetes mellitus, with peripheral circulatory complications	0
50	Diabetes mellitus with complications	E146	Unspecified diabetes mellitus, with unspecified complications	0
50	Diabetes mellitus with complications	E147	Unspecified diabetes mellitus, with multiple complications	0
50	Diabetes mellitus with complications	E148	Unspecified diabetes mellitus, with unspecified complications	0
Intestinal infection: including gastroenteritis				
135	Intestinal infection	A00	Cholera	0
135	Intestinal infection	A000	Cholera due to <i>Vibrio cholerae</i> 01, biovar cholerae	0
135	Intestinal infection	A001	Cholera due to <i>Vibrio cholerae</i> 01, biovar eltor	0
135	Intestinal infection	A009	Cholera, unspecified	<5
135	Intestinal infection	A01	Typhoid and paratyphoid fevers	
135	Intestinal infection	A010	Typhoid fever	69
135	Intestinal infection	A011	Paratyphoid fever A	6
135	Intestinal infection	A012	Paratyphoid fever B	0
135	Intestinal infection	A013	Paratyphoid fever C	
135	Intestinal infection	A014	Paratyphoid fever, unspecified	16
135	Intestinal infection	A02	Other Salmonella infections	172
135	Intestinal infection	A020	Salmonella enteritis	
135	Intestinal infection	A022+	Localized Salmonella infections	6
135	Intestinal infection	A028	Other specified Salmonella infections	<5
135	Intestinal infection	A029	Salmonella infection, unspecified	22
135	Intestinal infection	A03	Shigellosis	
135	Intestinal infection	A030	Shigellosis due to <i>Shigella dysenteriae</i>	0
135	Intestinal infection	A031	Shigellosis due to <i>Shigella flexneri</i>	<5
135	Intestinal infection	A032	Shigellosis due to <i>Shigella boydii</i>	0
135	Intestinal infection	A033	Shigellosis due to <i>Shigella sonnei</i>	<5
135	Intestinal infection	A038	Other shigellosis	0
135	Intestinal infection	A039	Shigellosis, unspecified	13
135	Intestinal infection	A04	Other bacterial intestinal infections	
135	Intestinal infection	A040	Enteropathogenic <i>Escherichia coli</i> infection	<5
135	Intestinal infection	A041	Enterotoxigenic <i>Escherichia coli</i> infection	0
135	Intestinal infection	A042	Enteroinvasive <i>Escherichia coli</i> infection	0
135	Intestinal infection	A043	Enterohemorrhagic <i>Escherichia coli</i> infection	12
135	Intestinal infection	A044	Other intestinal <i>Escherichia coli</i> infections	80
135	Intestinal infection	A045	Campylobacter enteritis	283
135	Intestinal infection	A046	Enteritis due to <i>Yersinia enterocolitica</i>	<5
135	Intestinal infection	A047	Enterocolitis due to <i>Clostridium difficile</i>	49
135	Intestinal infection	A048	Other specified bacterial intestinal infections	100
135	Intestinal infection	A049	Bacterial intestinal infection, unspecified	24
135	Intestinal infection	A05	Other bacterial foodborne intoxications, not elsewhere classified	0
135	Intestinal infection	A050	Foodborne staphylococcal intoxication	<5
135	Intestinal infection	A051	Botulism food poisoning	<5
135	Intestinal infection	A052	Foodborne <i>Clostridium perfringens</i> [ <i>Clostridium welchii</i> ] intoxication	0
135	Intestinal infection	A053	Foodborne <i>Vibrio parahaemolyticus</i> intoxication	0
135	Intestinal infection	A054	Foodborne <i>Bacillus cereus</i> intoxication	0
135	Intestinal infection	A058	Other specified bacterial foodborne intoxications	0
135	Intestinal infection	A059	Bacterial foodborne intoxication, unspecified	11
135	Intestinal infection	A06	Amoebiasis	
135	Intestinal infection	A060	Acute amebic dysentery	<5
135	Intestinal infection	A061	Chronic intestinal amoebiasis	<5
135	Intestinal infection	A062	Amebic nondysenteric colitis	0
135	Intestinal infection	A063	Ameboma of intestine	0
135	Intestinal infection	A068	Amoebic infection of other sites	0



TABLE 6 Continued

CCS Code	CCS Description	ICD-10 Code	ICD-10 Description	No. of UPAs
135	Intestinal infection	A069	Amebiasis, unspecified	0
135	Intestinal infection	A07	Other protozoal intestinal diseases	
135	Intestinal infection	A070	Balantidiasis	9
135	Intestinal infection	A071	Giardiasis [lambliaosis]	58
135	Intestinal infection	A072	Cryptosporidiosis	0
135	Intestinal infection	A073	Isosporiasis	0
135	Intestinal infection	A078	Other specified protozoal intestinal diseases	0
135	Intestinal infection	A079	Protozoal intestinal disease, unspecified	0
135	Intestinal infection	A08	Viral and other specified intestinal infections	
135	Intestinal infection	A080	Rotaviral enteritis	2279
135	Intestinal infection	A081	Acute gastroenteropathy due to Norwalk agent	75
135	Intestinal infection	A082	Adenoviral enteritis	166
135	Intestinal infection	A083	Other viral enteritis	2633
135	Intestinal infection	A084	Viral intestinal infection, unspecified	19917
135	Intestinal infection	A085	Other specified intestinal infections	16
135	Intestinal infection	A09	Infectious gastroenteritis and colitis, unspecified	1650
135	Intestinal infection	A213	Gastrointestinal tularemia	0
135	Intestinal infection	A222	Gastrointestinal anthrax	0
135	Intestinal infection	B770	Ascariasis with intestinal complications	0
135	Intestinal infection	B780	Intestinal strongyloidiasis	0
135	Intestinal infection	B810	Anisakiasis	0
135	Intestinal infection	B811	Intestinal capillariasis	0
135	Intestinal infection	B812	Trichostrongyliasis	0
135	Intestinal infection	B813	Intestinal angiostrongyliasis	0
135	Intestinal infection	B814	Mixed intestinal helminthiases	0
135	Intestinal infection	B818	Other specified intestinal helminthiases	0
135	Intestinal infection	B82	Unspecified intestinal parasitism	
135	Intestinal infection	B820	Intestinal helminthiasis, unspecified	8
135	Intestinal infection	B829	Intestinal parasitism, unspecified	<5
Urinary tract infections				
159	Urinary tract infections	N10	Acute tubulo-interstitial nephritis	145
159	Urinary tract infections	N11	Chronic tubulo-interstitial nephritis	
159	Urinary tract infections	N110	Nonobstructive reflux-associated chronic pyelonephritis	14
159	Urinary tract infections	N111	Chronic obstructive pyelonephritis	9
159	Urinary tract infections	N118	Other chronic tubulo-interstitial nephritis	<5
159	Urinary tract infections	N119	Chronic tubulo-interstitial nephritis, unspecified	11
159	Urinary tract infections	N15	Other renal tubulo-interstitial diseases	
159	Urinary tract infections	N151	Renal and perinephric abscess	<5
159	Urinary tract infections	N158	Other specified renal tubulo-interstitial diseases	0
159	Urinary tract infections	N159	Renal tubulo-interstitial disease, unspecified	<5
159	Urinary tract infections	N16	Renal tubulo-interstitial disorders in diseases classified elsewhere	
159	Urinary tract infections	N160	Renal tubulo-interstitial disorders in infectious and parasitic diseases classified elsewhere	0
159	Urinary tract infections	N161	Renal tubulo-interstitial disorders in neoplastic diseases	0
159	Urinary tract infections	N162	Renal tubulo-interstitial disorders in blood diseases and disorders involving the immune mechanism	0
159	Urinary tract infections	N163	Renal tubulo-interstitial disorders in metabolic diseases	0
159	Urinary tract infections	N164	Renal tubulo-interstitial disorders in systemic connective tissue disorders	0
159	Urinary tract infections	N165	Renal tubulo-interstitial disorders in transplant rejection (T86+)	0
159	Urinary tract infections	N168	Renal tubulo-interstitial disorders in other diseases classified elsewhere	0
159	Urinary tract infections	N291	Other disorders of kidney and ureter in infectious and parasitic diseases classified elsewhere	0
159	Urinary tract infections	N30	Cystitis	
159	Urinary tract infections	N300	Acute cystitis	0
159	Urinary tract infections	N301	Interstitial cystitis (chronic)	8
159	Urinary tract infections	N302	Other chronic cystitis	0
159	Urinary tract infections	N303	Trigonitis	0
159	Urinary tract infections	N304	Irradiation cystitis	0
159	Urinary tract infections	N308	Other cystitis	<5
159	Urinary tract infections	N309	Cystitis, unspecified	0
159	Urinary tract infections	N330	Tuberculous cystitis (A181+)	50
159	Urinary tract infections	N34	Urethritis and urethral syndrome	

**TABLE 6** Continued

CCS Code	CCS Description	ICD-10 Code	ICD-10 Description	No. of UPAs
159	Urinary tract infections	N340	Urethral abscess	0
159	Urinary tract infections	N341	Nonspecific urethritis	0
159	Urinary tract infections	N342	Other urethritis	15
159	Urinary tract infections	N343	Urethral syndrome, unspecified	0
159	Urinary tract infections	N351	Postinfective urethral stricture, not elsewhere classified	0
159	Urinary tract infections	N37	Urethral disorders in diseases classified elsewhere	
159	Urinary tract infections	N370	Urethritis in diseases classified elsewhere	0
159	Urinary tract infections	N378	Other urethral disorders in diseases classified elsewhere	0
159	Urinary tract infections	N390	Urinary tract infection, site not specified	11 108
159	Urinary tract infections	P393	Neonatal urinary tract infection	446

ICD-10, *International Classification of Diseases, 10th Revision*; UPAs, unplanned admissions.