

APPENDIX TABLES

Appendix Table 1. Diagnosis Codes for ARTIs

Diagnosis	ICD-9	ICD-10
Acute otitis media	382.00-382.02, 382.4, 382.9	H66.001-H66.019, H66.40-H66.43, H66.90-H66.93
Acute sinusitis	461.0-461.9	J01.00-J01.91
Group A Streptococcal Pharyngitis	034.0, 462, 463	J02.0-J02.9, J03.00-J03.91

Appendix Table 2. Appropriate Antibiotics With Classification for Treatment of ARTIs

Diagnosis	Narrow-spectrum antibiotics	Broad-spectrum antibiotics
Acute otitis media	Amoxicillin	Amoxicillin-Clavulanate Azithromycin Cefdinir Cefprozil Cefuroxime Axetil
Acute sinusitis	Amoxicillin	Amoxicillin-Clavulanate Azithromycin Cefdinir Cefprozil Cefuroxime Axetil
Group A Streptococcal Pharyngitis	Penicillin Amoxicillin	Amoxicillin-Clavulanate Azithromycin Cefadroxil Cefdinir Cefprozil Cefuroxime Axetil Cephalexin

Appendix Table 3. Intelligent Medical Object (IMO) Codes Used to Identify Side Effects

IMO	Side effect
Candidiasis of mouth	Candidiasis
Moniliasis of mouth	Candidiasis
Oral thrush	Candidiasis
Thrush	Candidiasis
Thrush, oral	Candidiasis
Candida vaginitis	Candidiasis
Vaginal candidiasis	Candidiasis
Vaginal yeast infection	Candidiasis
Yeast infection of the vagina	Candidiasis
Yeast vaginitis	Candidiasis

Candidiasis of other urogenital sites	Candidiasis
Candidal dermatitis	Candidiasis
Candidal diaper dermatitis	Candidiasis
Candidal diaper rash	Candidiasis
Candidal intertrigo	Candidiasis
Diaper candidiasis	Candidiasis
Monilial rash	Candidiasis
Skin yeast infection	Candidiasis
Yeast dermatitis	Candidiasis
Candida rash of groin	Candidiasis
Other candidiasis of other specified sites	Candidiasis
Candidiasis	Candidiasis
Candidiasis of unspecified site	Candidiasis
Yeast infection	Candidiasis
Candidiasis, unspecified	Candidiasis
Antibiotic-Associated colitis	Diarrhea
C. difficile colitis	Diarrhea
C. difficile diarrhea	Diarrhea
Enterocolitis due to clostridium difficile	Diarrhea
Acute gastroenteritis	Diarrhea
Enteritis	Diarrhea
Enterocolitis	Diarrhea
Gastroenteritis	Diarrhea
Gastroenteritis in pediatric patient	Diarrhea
Gastroenteritis, acute	Diarrhea
Other and unspecified noninfectious gastroenteritis and colitis(558.9)	Diarrhea
Blood in stool	Diarrhea
Blood in the stool	Diarrhea
Bloody stool	Diarrhea
Bloody stools	Diarrhea
Abnormal stools	Diarrhea
Loose stools	Diarrhea
Antibiotic-associated diarrhea	Diarrhea
Chronic diarrhea	Diarrhea
Diarrhea	Diarrhea
Diarrhea due to drug	Diarrhea
Diarrhea in pediatric patient	Diarrhea
Diarrheal stools	Diarrhea
Frequent loose stools	Diarrhea
Frequent stools	Diarrhea
Loose bowel movements	Diarrhea
Passage of loose stools	Diarrhea
Vomiting and diarrhea	Diarrhea

Allergic reaction to penicillin, initial encounter	Other/unspecified allergy
Allergic drug rash due to anti-infective agent	Rash
Erythema multiforme	Rash
Erythema multiforme minor	Rash
Erythema multiforme, unspecified	Rash
Erythroderma, maculopapular	Rash
Macular erythematous rash	Rash
Petechial rash	Rash
Allergic drug rash	Rash
Amoxicillin rash	Rash
Amoxicillin-Induced allergic rash	Rash
Antibiotic-Induced allergic rash	Rash
Cephalosporin drug rash	Rash
Dermatitis due to drugs and medicines taken internally (693.0)	Rash
Drug dermatitis	Rash
Drug eruption	Rash
Drug rash	Rash
Drug-Induced skin rash	Rash
Hand foot syndrome	Rash
Rash, drug	Rash
Allergic urticaria	Rash
Urticaria due to drug allergy	Rash
Idiopathic urticaria	Rash
Full body hives	Rash
Other specified urticaria	Rash
Urticaria multiforme	Rash
Hive	Rash
Hives	Rash
Urticaria	Rash
Urticaria, unspecified	Rash
Urticarial rash	Rash
Diffuse papular rash	Rash
Exanthem	Rash
Generalized rash	Rash
Localized papular rash	Rash
Macular rash	Rash
Maculopapular rash	Rash
Morbilliform rash	Rash
Papular eruption	Rash
Papular rash	Rash
Papular rash, generalized	Rash
Pustular rash	Rash
Rash	Rash

Rash and nonspecific skin eruption	Rash
Rash and other nonspecific skin eruption	Rash
Rash due to allergy	Rash
Rash of back	Rash
Rash of entire body	Rash
Rash of face	Rash
Rash of unknown cause	Rash
Rash, skin	Rash
Rash/Skin eruption	Rash
Skin rash	Rash
Dermatitis, unspecified	Rash
Other urticaria	Rash
Antibiotic drug intolerance	Other/unspecific adverse effect
Drug reaction	Other/unspecific adverse effect
Side effects of treatment, initial encounter	Other/unspecific adverse effect
Unspecified adverse effect of unspecified drug, medicinal and biological substance	Other/unspecific adverse effect
Antibiotic reaction	Other/unspecific adverse effect
Unspecified adverse effect of other drug, medicinal and biological substance(995.29)	Other/unspecific adverse effect
Adverse reaction to antibiotic, initial encounter	Other/unspecific adverse effect
Antibiotic reaction, initial encounter	Other/unspecific adverse effect
Adverse drug effect, initial encounter	Other/unspecific adverse effect
Adverse drug reaction, initial encounter	Other/unspecific adverse effect
Drug reaction, initial encounter	Other/unspecific adverse effect
Idiosyncratic drug effect, initial encounter	Other/unspecific adverse effect
Medication adverse effect, initial encounter	Other/unspecific adverse effect
Medication reaction, initial encounter	Other/unspecific adverse effect
Medication side effects, initial encounter	Other/unspecific adverse effect
Adverse effects of medication	Other/unspecific adverse effect
Nausea & vomiting	Vomiting

Nausea and vomiting, unspecified intactability, vomiting of unspecified type	Vomiting
Nausea and vomiting, vomiting of unspecified type	Vomiting
Nausea with vomiting	Vomiting
Non-Intractable vomiting with nausea, vomiting of unspecified type	Vomiting
Nausea	Vomiting
Emesis	Vomiting
Non-intractable vomiting without nausea, vomiting of unspecified type	Vomiting
Non-intractable vomiting, nausea presence unspecified, vomiting of unspecified type	Vomiting
Regurgitation	Vomiting
Vomiting	Vomiting
Vomiting alone	Vomiting
Vomiting in pediatric patient	Vomiting
Vomiting without nausea, unspecified intactability, vomiting of unspecified type	Vomiting
Vomiting without nausea, vomiting of unspecified type	Vomiting
Vomiting, nausea presence unspecified, unspecified intactability, vomiting of unspecified type	Vomiting
Vomiting, unspecified	Vomiting
Vomiting without nausea	Vomiting
