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	034.0, 462, 463	J02.0-J02.9, J03.00-J03.91
Streptococcal		
Pharyngitis		

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

Appendix Table 2. Appropriate Antibiotics with Classification for Treatment of Akris				
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	Penicillin	Amoxicillin-Clavulanate		
Streptococcal	Amoxicillin	Azithromycin		
Pharyngitis		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 Candidiasis Candidal diaper rash Candidal intertrigo Candidiasis Diaper candidiasis Candidiasis Monilial rash Candidiasis Skin yeast infection Candidiasis Yeast dermatitis Candidiasis Candida rash of groin Candidiasis Candidiasis Other candidiasis of other specified sites Candidiasis Candidiasis Candidiasis of unspecified site Candidiasis Candidiasis Yeast infection Candidiasis Candidiasis, unspecified Antibiotic-Associated colitis Diarrhea C. difficile colitis Diarrhea C. difficile diarrhea Diarrhea Enterocolitis due to clostridium difficile Diarrhea Diarrhea Acute gastroenteritis **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 Diarrhea in pediatric patient Diarrheal stools Diarrhea Frequent loose stools Diarrhea Frequent stools Diarrhea Loose bowel movements Diarrhea Passage of loose stools Diarrhea Vomiting and diarrhea Diarrhea

Noninfective gastroenteritis and colitis, unspecified Diarrhea Diarrhea, unspecified Diarrhea

Allergic reaction due to correct medicinal substance properly

administered

Other/unspecified allergy Allergic reaction, subsequent encounter Other/unspecified allergy

Allergy history, drug Other/unspecified allergy Allergy to amoxicillin Other/unspecified allergy Allergy to cephalosporin Other/unspecified allergy

Allergy to drug Other/unspecified allergy Allergy to penicillin Other/unspecified allergy

Drug allergy Other/unspecified allergy

Drug allergy, antibiotic Other/unspecified allergy

H/O penicillin-type antibiotic allergy Other/unspecified allergy

Lip edema Other/unspecified allergy

Penicillin allergy Other/unspecified allergy

Personal history of allergy to other anti-infective agent Other/unspecified allergy

Personal history of allergy to other antibiotic agent Other/unspecified allergy

Personal history of allergy to penicillin Other/unspecified allergy

Serum sickness due to drug, initial encounter Other/unspecified allergy

Allergic reaction to augmentin Other/unspecified allergy

Allergy to antibacterial drug, initial encounter Other/unspecified allergy

Allergy to sulfa drugs, initial encounter Other/unspecified allergy

Drug allergy, antibiotic, initial encounter Other/unspecified allergy

Medication intolerance Other/unspecified allergy Other drug allergy(995.27)

Other/unspecified allergy Allergic reaction Other/unspecified allergy

Allergic reaction, initial encounter Other/unspecified allergy

Allergic response Other/unspecified allergy

Allergic response, initial encounter Other/unspecified allergy

Allergy Other/unspecified allergy

Allergy, initial encounter Other/unspecified allergy

Allergy, unspecified not elsewhere classified Other/unspecified allergy

Hypersensitivity reaction Other/unspecified allergy Allergic drug reaction Other/unspecified allergy

Allergic reaction caused by a drug Other/unspecified allergy

Allergic reaction to drug Other/unspecified allergy

Allergy, unspecified, initial encounter Other/unspecified allergy Drug-induced hypersensitivity reaction Other/unspecified allergy

Allergy history, penicillin Other/unspecified allergy Allergy status to penicillin Other/unspecified allergy

Allergy status to other antibiotic agents status Other/unspecified allergy

Allergy status to unspecified drugs, medicaments and biological

substances status Other/unspecified allergy 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 Rash Drug dermatitis 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

Other/unspecific adverse

Antibiotic drug intolerance effect

Other/unspecific adverse

Other/unspecific adverse

effect

Drug reaction effect

Other/unspecific adverse

Side effects of treatment, initial encounter effect

Unspecified adverse effect of unspecified drug, medicinal and biological Other/unspecific adverse

substance

Other/unspecific adverse

Antibiotic reaction effect

Unspecified adverse effect of other drug, medicinal and biological Other/unspecific adverse

substance(995.29) effect

Other/unspecific adverse

Adverse reaction to antibiotic, initial encounter effect

Adverse reaction to antibiotic, initial encounter effect
Other/unspecific adverse

Antibiotic reaction, initial encounter effect

Adverse drug effect, initial encounter Other/unspecific adverse effect

Other/unspecific adverse

Adverse drug reaction, initial encounter effect

Drug reaction, initial encounter effect

Other/unspecific adverse

Idiosyncratic drug effect, initial encounter effect

Other/unspecific adverse

Medication adverse effect, initial encounter effect

Other/unspecific adverse

Medication reaction, initial encounter effect

Other/unspecific adverse

Medication side effects, initial encounter effect

Other/unspecific adverse

Adverse effects of medication 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