

Supplemental Table 1. Antibiotic Groupings for Analysis^a

Antibiotic Group	Antibiotics Included
Cephalosporins, 1 st & 2 nd Generation	Cefaclor, Cefadroxil, Cefprozil, Cefuromine, Cephalexin
Cephalosporins, 3 rd Generation ^b	Cefdinir, Cefditoren, Cefixime, Cefpodoxime, Ceftibuten
Fluoroquinolones ^b	Ciprofloxacin, Levofloxacin, Moxifloxacin, Ofloxacin, Gemifloxacin
Lincosamides	Clindamycin
Macrolides	Azithromycin, Clarithromycin, Erythromycin
Nitroimidazoles	Metronidazole
Penicillins, narrow-spectrum	Amoxicillin, ampicillin, dicloxacillin, penicillin G, penicillin V
Penicillins, extended-spectrum ^b	Amoxicillin-clavulanate
Other	Dapsone, Fidaxomicin, Linezolid, Neomycin, Rifaximin, Sulfadiazine, Sulfamethoxazole, Tedizolid, Telithromycin, Trimethoprim, Oral Vancomycin
Sulfamethoxazole-Trimethoprim	Sulfamethoxazole-Trimethoprim
Tetracyclines	Doxycycline, Minocycline, Tetracycline

Urinary Agents	Fosfomycin, Nitrofurantoin
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^aSource: IQVIA™ Xponent

^bBroad-spectrum agents

Supplemental Table 2. Provider Specialty Groups^a

Specialty Grouping	Listed Specialties Included
Dentist	Dentist, General Practitioner
Dermatology	Dermatology, Procedural Dermatology
Emergency Medicine	Emergency Medicine
Family Medicine	Family Medicine, General Practice
Internal Medicine	Internal Medicine, Internal Medicine/Pediatrics, Hospitalist, Internal Medicine/Family Practice
Medicine Specialty	Gastroenterology, Pulmonary Diseases, Infectious Diseases, Pulmonary Critical Care, Cardiovascular Diseases, Allergy & Immunology, Nephrology, Hematology/Oncology, Rheumatology, Geriatric Medicine, Oncology, Endocrinology & Metabolism, Cardiac Electrophysiology, Hematology, Interventional Cardiology, Allergy, Hepatology, Sleep Medicine, Advanced Heart Failure & Transplant, Blood Banking/Transfusion Medicine, Critical Care Medicine, Diabetes, Pathology, Hospice & Palliative Medicine, Medical Genetics, Musculoskeletal Oncology, Palliative Medicine
Nurse Practitioner	Nurse Practitioner

Obstetrics/Gynecology	Obstetrics/Gynecology, Gynecological Oncology, Maternal & Fetal Medicine, Female Pelvic Medicine/Reconstruction Obstetrics, Critical Care Obstetrics/Gynecology, Reproductive Endocrinology
Oral & Maxillofacial Surgery	Oral & Maxillofacial Surgery
Other	Unspecified, Podiatry, Veterinarian Medicine, Ophthalmology, Optometry, Anesthesiology, Anatomic/Clinical Pathology, Psychiatry, Physical Medicine & Rehabilitation, Neurology, Occupational Medicine, Diagnostic Radiology, Addiction Medicine, General Preventive Medicine, Nuclear Medicine, Orthopedic Sports Medicine, Sports Medicine, Dermatopathology, Pain Medicine, Radiation Oncology, Internal Medicine/Psychiatry, Otolaryngology/Neurotology, Radiology, Surgical Critical Care, Vascular & Interventional Radiology, Addiction Psychiatry, Adult Cardiothoracic Anesthesia, Aerospace Medicine, Anatomic Pathology, Clinical Molecular Genetics, Clinical Neurophysiology, Clinical Pathology, Clinical Pharmacology, Critical Care Anesthesiology, Cytopathology, Emergency Medical Service,

	<p>Epidemiology, Epilepsy, Forensic Pathology, Forensic Psychiatry, Geriatric Psychiatry, Internal Medicine/Emergency Medicine, Legal Medicine, Medical Management, Medical Toxicology, Musculoskeletal Radiology, Neuromuscular Medicine, Neuroradiology, Nuclear Cardiology, Nuclear Radiology, Obstetric Anesthesia, Other, Pain Medicine, Public Health & General Preventative Medicine, Pharmaceutical Medicine, Pharmacist, Phlebology, Psychiatry/Neurology, Psychoanalysis, Psychology, Selective Pathology, Spinal Cord Injury, Undersea Medicine, Vascular Neurology</p>
Otolaryngology	Otolaryngology
Pediatrics	Pediatrics, General

<p>Pediatric Specialty</p>	<p>Pediatric Emergency Medicine, Neonatal-Perinatal Medicine, Pediatric Pulmonology, Pediatric Urology, Pediatric Hematology/Oncology, Pediatric Infectious Diseases, Pediatric Cardiology, Pediatric Dermatology, Pediatric Gastroenterology, Pediatric Otolaryngology, Adolescent Medicine Pediatrics, Pediatric Nephrology, Child & Adolescent Psychiatry, Pediatric Critical Care, Pediatric Surgery, Child Abuse Pediatrics, Child Neurology, Congenital Cardiac Surgery, Developmental-Behavioral Pediatrics, Neurodevelopmental Disability Pediatrics, Pathology Pediatric, Pediatric Psychiatry/Child Psychiatry, Pediatric Allergy, Pediatric Anesthesiology, Pediatric Endocrinology, Pediatric Ophthalmology, Pediatric Orthopedics, Pediatric Radiology, Pediatric Rehabilitation Medicine, Pediatric Rheumatology, Pediatric Sports Medicine</p>
<p>Physician Assistant</p>	<p>Physician Assistant</p>
<p>Surgery, Not Otherwise Listed</p>	<p>General Surgery, Orthopedic Surgery, Plastic Surgery, Vascular Surgery, Colon & Rectal Surgery, Dermatologic Surgery, Facial Plastic Surgery, Neurological Surgery, Thoracic Surgery, Hand Surgery, Surgical Oncology, Female Pelvic Medicine/Reconstructive Surgery,</p>

	Orthopedics, Orthopedic Spine Surgery, Cardiothoracic Surgery, Head & Neck Surgery, Orthopedic Trauma Surgery, Orthopedic Foot & Ankle Surgery, Transplant Surgery, Trauma Surgery, Transplant Hepatology
Trainee	Hospitals, Transitional Year
Urology	Urology

^aSource: IQVIA™ Xponent