

Appendix B: Drug types and diagnoses included, by therapeutic categories studied		
Category	Drug types	Specific expanded diagnostic clusters (EDCs) used as treatment-specific indicators of potential need
Antihypertensives	Thiazide diuretics (e.g., hydrochlorothiazide) Beta-blocking agents (e.g., atenolol) Calcium-channel blockers (e.g., nifedipine) Angiotensin-converting-enzyme inhibitors (e.g., ramipril) Angiotensin-receptor blockers (e.g., losartan)	CAR14: Hypertension, without major complications CAR15: Hypertension, with major complications CAR01: Cardiovascular signs and symptoms CAR03: Ischemic heart disease CAR05: Congestive heart failure CAR07: Cardiomyopathy CAR10: Generalized atherosclerosis CAR12: Acute myocardial infarction END06: Type 2 diabetes, without complications END07: Type 2 diabetes, with complications END08: Type 1 diabetes, without complications END09: Type 1 diabetes, with complications
Antidepressants	Nonselective monoamine reuptake inhibitors (e.g., amitriptyline) Monoamine oxidase inhibitors (e.g., phenelzine) Trazodone Selective serotonin reuptake inhibitors (e.g., citalopram) Venlafaxine Mirtazapine Moclobamide Bupropion	PSY01: Anxiety, neuroses PSY09: Depression PSY10: Psychological signs and symptoms
Antibiotics	Penicillins (e.g., amoxicillin) Sulfa drugs (e.g., trimethoprim/ sulfamethoxazole) Cephalexin Tetracyclines (e.g., doxycycline) Erythromycin Clindamycin Metronidazole Nitrofurantoin Amoxicillin/clavulanate Fluoroquinolones (e.g., ciprofloxacin) Macrolides (e.g., azithromycin) Second- and third-generation cephalosporins (e.g., cefuroxime) Linezolid Vancomycin	EAR01: Otitis media EAR11: Acute upper respiratory tract infection EYE09: Infections of the eyelid GSI03: Fever GSU09: Nonfungal infections of skin and subcutaneous tissue GUR08: Urinary tract infections GUR10: Prostatitis INF05: Sexually transmitted infections INF08: Septicemia INF09: Infections, other RES02: Acute lower respiratory tract infection RES07: Sinusitis SKN19: Impetigo
Statins	Statins (e.g., atorvastatin)	CAR11: Disorders of lipid metabolism CAR12: Acute myocardial infarction CAR03: Ischemic heart disease NUR05: Cerebrovascular disease CAR10: Generalized atherosclerosis
Respiratory medications	Inhaled adrenergics (e.g., salbutamol, salmeterol) Inhaled glucocorticoids (e.g., fluticasone) Inhaled anticholinergics (e.g., ipratropium)	RES04: Emphysema, chronic bronchitis, chronic obstructive pulmonary disease RES01: Respiratory signs and symptoms ALL04: Asthma, without status asthmaticus ALL05: Asthma, with status asthmaticus
Nonsteroidal anti-inflammatory drugs	Cyclooxygenase-2 (COX2) inhibitors, brand (e.g., celecoxib) COX-2 inhibitors, generic (diclofenac, etodolac, meloxicam) Older NSAIDs (e.g., naproxen)	RHU01: Autoimmune and connective tissue diseases RHU02: Gout RHU03: Arthropathy NUR02: Headaches MUS02: Acute sprains and strains MUS03: Degenerative disc disease MUS04: Fractures MUS08: Fractures and dislocations MUS09: Joint disorders, trauma related MUS10: Fracture of neck of femur MUS13: Cervical pain syndrome MUS14: Low-back pain MUS15: Bursitis, synovitis, tenosynovitis MUS17: Musculoskeletal disorders, other