

Table S1 – Adverse Study Outcomes

Outcome	Definition	Data Source
Primary Outcomes		
All-cause death	Death as indicated in CMS file	CMS death notification file
CVD death	Primary cause of death: 23,26, 28, 29,36	CMS death notification file
Infection-related death	Primary cause of death: 33,34,45-48, 51,52,61-63,70	CMS death notification file
Hospitalized for stroke	Any ICD-9-CM diagnostic code of 435.xx, 436.xx, 433.x1, 434.x1, 437.1x, 437.9x	CMS Part A claims
Hospitalized for myocardial infarction	Primary ICD-9-CM code of 410.ss, hospital stay 3-180 days or died within 3 days	CMS Part A claims
Hospitalized for pneumonia, sepsis, vascular access infection	Any ICD-9-CM diagnostic codes of 996.62 (vascular access), 481.xx (pneumonia), 038.xx (sepsis)	CMS Part A claims
Hospitalized for infection (all major organ systems)	Any hospital admission with one of the following ICD-9-CM diagnostic codes as the principal diagnostic code: 001-139, 254.1, 320-326, 331.81, 372-372.39, 373.0-373.2, 382-382.4, 383.0, 386.33, 386.35, 388.60, 390-393, 421-421.1, 422.0, 422.91-422.93, 460-466, 472-474.0, 475-476.1, 478.21-478.24, 478.29, 480-490, 491.1, 494, 510-511, 513.0, 518.6, 519.01, 522.5, 522.7, 527.3, 528.3, 540-542, 566-567.9, 569.5, 572-572.1, 573.1-573.3, 575-575.12, 590-590.9, 595-595.4, 597-597.89, 598, 599.0, 601-601.9, 604-604.9, 607.1, 607.2, 608.0, 608.4, 611.0, 614-616.1, 616.3-616.4, 616.8, 670, 680-686.9, 706.0, 711-711.9, 730-730.3, 730.8-730.9, 790.7-790.8, 996.60-996.69, 997.62, 998.5, and 999.3.	CMS Part A claims
Use of IV antibiotics	Any indication of the use of the following drugs: Amikin® (amikacin sulfate); ampicillin; Ancef®, Kefzol® (cefazolin); aztreonam; Cefizox® (ceftizoxime); Cefotan® (cefotetan); Fortaz®, Tazicef® (ceftazidime); Claforan® (cefotaxime); clindamycin; Cubicin® (daptomycin); ethambutol; gentamicin; Keflin® (cephalothin); Levaquin® (levofloxacin); Mefoxin® (cefoxitin); Merrem® (meropenem); nafcillin; Nebcin® (tobramycin); oxacillin; Penicillin G; Zosyn® (piperacillin and tazobactam); Primaxin® (imipenem and cilastatin); Rocephin® (ceftriaxone); streptomycin; Timentin® (ticarcillin and clavulanate potassium); Unasyn® (ampicillin and sulbactam); Vancocin® (vancomycin); Vibramycin® (doxycycline); Zinacef® (cefuroxime); Zyvox® (linezolid)	Clinical Database

