**Appendix – Search Strategies**

Librarian searcher: Sarah Cantrell, MLIS; Duke University Medical Center Library & Archives, Duke University School of Medicine

Peer review of search conducted by: Brandi Tuttle, MSLS; Duke University Medical Center Library & Archives, Duke University School of Medicine

**Database: MEDLINE (via Ovid)**  
Original search date: 8/11/2023 (Ovid MEDLINE ® ALL 1946 to August 10, 2023)  
Search update: 8/26/2024 (Ovid MEDLINE® ALL 1946 to August 23, 2024)

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| **Search Set + Description** | **Search Strategy** | **Results 8/11/23** | **Results**  **8/26/24** |
| #1  *bacteremia* | exp bacteremia/ or (bacterem\* or bacteraem\* or septicem\* or septicaem\*).ti,ab. or ((blood or bloodstream) adj2 (infection or infections or infected or infecting or infects or pyemia or pyemias or pyohemia or pyohemias or pyaemia)).ti,ab. | 92718 | 96743 |
| #2  *Gram-negative organisms* | exp gram-negative bacteria/ or exp gram-negative bacterial infections/ or exp enterobacteriaceae/ or exp enterobacteriaceae infections/ or exp escherichia/ or exp escherichia coli Infections/ or exp klebsiella/ or exp klebsiella infections/ or exp proteus/ or exp proteus infections/ or (gram-negative OR "gram negative" or enterobacter\* or klebsiella or escherichia or proteus or haemophilus or pseudomonas or salmonella or shigella or yersinia or "pseudomonas aeruginosa" or acinetobacter baumannii or "burkholderia cepacia" or "burkholderia pseudomallei" or stenotrophomonas or alcaligenes or moraxella or calymmatobacterium or citrobacter or cronobacter oredwardsiella or erwinia or hafnia or kluyvera or morganella or pantoea or pectobacterium or photorhabdus or plesiomonas or providencia or serratia or wigglesworthia or xenorhabdus).ti,ab. | 1217494 | 1257382 |
| #3  *Beta-lactams* | exp beta-lactams/ or (beta-lactam or beta-lactams or beta-lactamase or beta-lactamases or b-lactam or b-lactams or "β-lactam" or "β-lactams" or penicillin or penicillins or amdinocillin or amoxicillin or "amoxicillin-clavulanate" or "amoxicillin-potassium" or azlocillin or bacampicillin or benzylpenicillin or carbenicillin or carfecillin or cloxacillin or cyclacillin or dicloxacillin or floxacillin or flucloxacillin or mezlocillin or "penicillanic acid" or pivampicillin or sulbenicillin or talampicillin or tazobactam or "ticarcillin-clavulanic" or cephalosporin or cephalosporins or "ceftazidime/avibactam" or "ceftazidime-avibactam" or cefaclor or cefadroxil or cefamandole or cefatrizine or cefazolin or cefdinir or cefditoren or cefepime or cefibuten or cefixime or cefmenoxime or cefmetazole or cefonicid or cefoperazone or cefotaxime or cefotetan or cefotiam or cefoxitin or cefpodoxime or cefprozil or cefsulodin or ceftazidime or ceftibuten or ceftizoxime or cefuroxime or cephacetrile or cephalexin or cephaloglycin or cephaloridine or cephalothin or cephamycin or cephamycins or cephapirin or cephradine or cephamycins or cephems or clavams).ti,ab. | 220379 | 228795 |
| #4  *fluoroquinolones* | exp fluoroquinolones/ or (fluoroquinolone or fluoroquinolones or ciprofloxacin or enrofloxacin or fleroxacin or gatifloxacn or gemifloxacin or levofloxacin or moxifloxacin or norfloxacin or ofloxacin or pelfloxacin or trovafloxacin or sparfloxacin or lomofloxacin or cinoxacin or cinobac or "nalidixic acid" or neggram).ti,ab. | 74270 | 78510 |
| #5  *Trim-sulfa* | exp Trimethoprim/ or exp Sulfamethoxazole/ or exp Trimethoprim, Sulfamethoxazole Drug Combination/ or ("trimethoprim-sulfamethoxazole" or "trimethoprim sulfamethoxazole" or "sulfamethoxazole-trimethoprim" or "sulfamethoxazole trimethoprim" or bactrim or cotrim or co-trimoxazole or cotrimoxazole or septra or sulfatrim or "TMP-SMX" or "TMP SMX" or "TMP/SMX" or trimpex or proloprim or abaprim or alprim or catin or delprim or giprim or idotrim or infectotrimet or methoprim or monoprim or monotrim or motrim or primosept or primsol or proloprim or solotrim or syraprim or tiempe or "tmp-ratiopharm" or tobyprim or trimesan or trimethoprim or trimethoprime or trimethoprin or trimetoprim or trimfect or trimono or trimopan or trimpex or trinopan or triprim or trisul or uretrim or utisept or welcoprim or wellcoprim).ti,ab. | 31530 | 32948 |
| #6 | 4 or 5 | 97678 | 102836 |
| #7  *Bacteremia AND gram-neg AND beta-lactams AND (fluoro OR trim-sulf)* | 1 and 2 and 3 and 6 | 1703 | 1819 |
| #8  *Oral administration* | exp administration, oral/ or (oral or orally or "by mouth" or "PO").ti,ab. | 880116 | 924855 |
| #9  *Bacteremia AND gram-neg AND beta-lactams AND oral admin* | 1 and 2 and 3 and 8 | 406 | 430 |
| #10  *Step-down* | (step-down or "step down" or "stepping down" or stepdown).ti,ab. | 4623 | 4811 |
| #11  *Bacteremia AND gram-neg AND step-down* | 1 and 2 and 10 | 32 | 36 |
| #12  *Final combinations* | 7 or 9 or 11 | 1932 | 2060 |
| #13  *Animal research exclusion* | 12 not (exp animals/ not exp humans/) | 1861 | 1984 |
| #14  *Study design exclusion* | 13 not (case reports OR editorial OR comment OR congress).pt. | 1502 | 1605 |
| Exemplar article check | 14 and (33030555 OR 35758168 OR 35868628 OR 33087051 OR 37057217).ui. | 5/5 | 5/5 |
| Search updated | Limit 14 to da=20230801-20241231 | n/a | 109 |

**Database: Embase (via Elsevier)**  
Original search date: 8/11/2023  
Search update: 8/26/2024  
*Note: Search from the Results page*

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| **Search Set + Description** | **Search Strategy** | **Results 8/11/23** | **Results 8/26/2024** |
| #1  *bacteremia* | 'bacteremia'/exp OR (bacterem\* OR bacteraem\* OR septicem\* OR septicaem\*):ti,ab OR ((blood OR bloodstream) NEAR/2 (infection OR infections OR infected OR infecting OR infects OR pyemia OR pyemias OR pyohemia OR pyohemias OR pyaemia)):ti,ab | 136536 | 144538 |
| #2  *Gram-negative organisms* | 'Gram negative bacterium'/de OR 'Gram negative infection'/de OR 'Enterobacteriaceae'/exp OR 'Enterobacteriaceae infection'/exp OR 'Escherichia'/de OR 'Escherichia coli infection'/de OR 'Klebsiella'/de OR 'Klebsiella infection'/de OR 'Proteus'/de OR 'Proteus infection'/de OR (gram-negative OR 'gram negative' OR enterobacter\* OR klebsiella OR escherichia OR proteus OR haemophilus OR pseudomonas OR salmonella OR shigella OR yersinia OR 'pseudomonas aeruginosa' OR acinetobacter baumannii OR 'burkholderia cepacia' OR 'burkholderia pseudomallei' OR stenotrophomonas OR alcaligenes OR moraxella OR calymmatobacterium OR citrobacter OR cronobacter oredwardsiella OR erwinia OR hafnia OR kluyvera OR morganella OR pantoea OR pectobacterium OR photorhabdus OR plesiomonas OR providencia OR serratia OR wigglesworthia OR xenorhabdus):ti,ab | 784122 | 823166 |
| #3  *Beta-lactams* | 'beta lactam antibiotic'/de OR (beta-lactam OR beta-lactams OR beta-lactamase OR beta-lactamases OR b-lactam OR b-lactams OR 'β-lactam' OR 'β-lactams' OR penicillin OR penicillins OR amdinocillin OR amoxicillin OR 'amoxicillin-clavulanate' OR 'amoxicillin-potassium' OR azlocillin OR bacampicillin OR benzylpenicillin OR carbenicillin OR carfecillin OR cloxacillin OR cyclacillin OR dicloxacillin OR floxacillin OR flucloxacillin OR mezlocillin OR 'penicillanic acid' OR pivampicillin OR sulbenicillin OR talampicillin OR tazobactam OR 'ticarcillin-clavulanic' OR cephalosporin OR cephalosporins OR 'ceftazidime/avibactam' OR 'ceftazidime-avibactam' OR cefaclor OR cefadroxil OR cefamandole OR cefatrizine OR cefazolin OR cefdinir OR cefditoren OR cefepime OR cefibuten OR cefixime OR cefmenoxime OR cefmetazole OR cefonicid OR cefoperazone OR cefotaxime OR cefotetan OR cefotiam OR cefoxitin OR cefpodoxime OR cefprozil OR cefsulodin OR ceftazidime OR ceftibuten OR ceftizoxime OR cefuroxime OR cephacetrile OR cephalexin OR cephaloglycin OR cephaloridine OR cephalothin OR cephamycin OR cephamycins OR cephapirin OR cephradine OR cephalosporins OR cephamycins OR cephems OR clavams):ti,ab | 236051 | 246438 |
| #4  *fluoroquinolones* | 'quinoline derived antiinfective agent'/de OR (fluoroquinolone OR fluoroquinolones OR ciprofloxacin OR enrofloxacin OR fleroxacin OR gatifloxacn OR gemifloxacin OR levofloxacin OR moxifloxacin OR norfloxacin OR ofloxacin OR pelfloxacin OR trovafloxacin OR sparfloxacin OR lomofloxacin OR cinoxacin OR cinobac OR 'nalidixic acid' OR neggram):ti,ab | 115276 | 121675 |
| #5  *Trim-sulfa* | 'trimethoprim'/de OR 'cotrimoxazole'/de OR 'sulfamethoxazole'/de OR ('trimethoprim-sulfamethoxazole' OR 'trimethoprim sulfamethoxazole' OR 'sulfamethoxazole-trimethoprim' OR 'sulfamethoxazole trimethoprim' OR bactrim OR cotrim OR 'co-trimoxazole' OR cotrimoxazole OR septra OR sulfatrim OR 'TMP-SMX' OR 'TMP SMX' OR 'TMP/SMX' OR trimpex OR proloprim OR abaprim OR alprim OR catin OR delprim OR giprim OR idotrim OR infectotrimet OR methoprim OR monoprim OR monotrim OR motrim OR primosept OR primsol OR proloprim OR solotrim OR syraprim OR tiempe OR 'tmp-ratiopharm' OR tobyprim OR trimesan OR trimethoprim OR trimethoprime OR trimethoprin OR trimetoprim OR trimfect OR trimono OR trimopan OR trimpex OR trinopan OR triprim OR trisul OR uretrim OR utisept OR welcoprim OR wellcoprim):ti,ab | 130496 | 137629 |
| #6 | #4 OR #5 | 222741 | 234867 |
| #7  *Bacteremia AND gram-neg AND beta-lactams AND (fluoro OR trim-sulf)* | #1 AND #2 AND #3 AND #6 | 2483 | 2701 |
| #8  *Oral administration* | 'oral drug administration'/exp OR (oral OR orally OR 'by mouth' OR 'PO'):ti,ab | 1498108 | 1571804 |
| #9  *Bacteremia AND gram-neg AND beta-lactams AND oral admin* | #1 AND #2 AND #3 AND #8 | 416 | 455 |
| #10  *Step-down* | ('step down' OR 'stepping down' OR stepdown):ti,ab | 7014 | 7366 |
| #11  *Bacteremia AND gram-neg AND step-down* | #1 AND #2 AND #10 | 64 | 69 |
| #12  *Final combinations* | #7 OR #9 OR #11 | 2709 | 2945 |
| #13  *Animal research exclusion* | #12 AND [humans]/lim | 2363 | 2580 |
| #14  *Study design exclusion* | #13 NOT ('case report'/exp OR 'case study'/exp OR 'editorial'/exp OR [editorial]/lim OR 'note'/exp OR [note]/lim OR [conference abstract]/lim OR 'conference abstract'/exp OR 'conference abstract'/it) | 1690 | 1841 |
| Search update | #14 AND [01-08-2023]/sd | n/a | 177 |

**Database: Web of Science – Science Citation Index Expanded, Social Science Citation Index, Emerging Sources Citation Index (via Clarivate)**Original search date: 8/11/2023  
Search update: 8/26/2024  
*Note: Select indices under Editions; use Advanced Search*

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| --- | --- | --- | --- |
| **Search Set + Description** | **Search Strategy** | **Results 8/11/23** | **Results 8/26/24** |
| #1  *bacteremia* | TS=(bacterem\* OR bacteraem\* OR septicem\* OR septicaem\*) OR TS=((blood OR bloodstream) NEAR/2 (infection OR infections OR infected OR infecting OR infects OR pyemia OR pyemias OR pyohemia OR pyohemias OR pyaemia)) | 97877 | 108378 |
| #2  *Gram-negative organisms* | TS=(gram-negative OR "gram negative" OR enterobacter\* OR klebsiella OR escherichia OR proteus OR haemophilus OR pseudomonas OR salmonella OR shigella OR yersinia OR "pseudomonas aeruginosa" OR acinetobacter baumannii OR "burkholderia cepacia" OR "burkholderia pseudomallei" OR stenotrophomonas OR alcaligenes OR moraxella OR calymmatobacterium OR citrobacter OR cronobacter oredwardsiella OR erwinia OR hafnia OR kluyvera OR morganella OR pantoea OR pectobacterium OR photorhabdus OR plesiomonas OR providencia OR serratia OR wigglesworthia OR xenorhabdus) | 893380 | 985265 |
| #3  *Beta-lactams* | TS=(beta-lactam OR beta-lactams OR beta-lactamase OR beta-lactamases OR b-lactam OR b-lactams OR "β-lactam" OR "β-lactams" OR penicillin OR penicillins OR amdinocillin OR amoxicillin OR "amoxicillin-clavulanate" OR "amoxicillin-potassium" OR azlocillin OR bacampicillin OR benzylpenicillin OR carbenicillin OR carfecillin OR cloxacillin OR cyclacillin OR dicloxacillin OR floxacillin OR flucloxacillin OR mezlocillin OR "penicillanic acid" OR pivampicillin OR sulbenicillin OR talampicillin OR tazobactam OR "ticarcillin-clavulanic" OR cephalosporin OR cephalosporins OR "ceftazidime/avibactam" OR "ceftazidime-avibactam" OR cefaclor OR cefadroxil OR cefamandole OR cefatrizine OR cefazolin OR cefdinir OR cefditoren OR cefepime OR cefibuten OR cefixime OR cefmenoxime OR cefmetazole OR cefonicid OR cefoperazone OR cefotaxime OR cefotetan OR cefotiam OR cefoxitin OR cefpodoxime OR cefprozil OR cefsulodin OR ceftazidime OR ceftibuten OR ceftizoxime OR cefuroxime OR cephacetrile OR cephalexin OR cephaloglycin OR cephaloridine OR cephalothin OR cephamycin OR cephamycins OR cephapirin OR cephradine OR cephalosporins OR cephamycins OR cephems OR clavams) | 170489 | 189039 |
| #4  *fluoroquinolones* | TS=(fluoroquinolone OR fluoroquinolones OR ciprofloxacin OR enrofloxacin OR fleroxacin OR gatifloxacn OR gemifloxacin OR levofloxacin OR moxifloxacin OR norfloxacin OR ofloxacin OR pelfloxacin OR trovafloxacin OR sparfloxacin OR lomofloxacin OR cinoxacin OR cinobac OR "nalidixic acid" OR neggram) | 82870 | 90568 |
| #5  *Trim-sulfa* | TS=("trimethoprim-sulfamethoxazole" OR "trimethoprim sulfamethoxazole" OR "sulfamethoxazole-trimethoprim" OR "sulfamethoxazole trimethoprim" OR bactrim OR cotrim OR "co-trimoxazole" OR cotrimoxazole OR septra OR sulfatrim OR "TMP-SMX" OR "TMP SMX" OR "TMP/SMX" OR trimpex OR proloprim OR abaprim OR alprim OR catin OR delprim OR giprim OR idotrim OR infectotrimet OR methoprim OR monoprim OR monotrim OR motrim OR primosept OR primsol OR proloprim OR solotrim OR syraprim OR tiempe OR "tmp-ratiopharm" OR tobyprim OR trimesan OR trimethoprim OR trimethoprime OR trimethoprin OR trimetoprim OR trimfect OR trimono OR trimopan OR trimpex OR trinopan OR triprim OR trisul OR uretrim OR utisept OR welcoprim OR wellcoprim) | 26509 | 29336 |
| #6 | #4 OR #5 | 101696 | 111498 |
| #7  *Bacteremia AND gram-neg AND beta-lactams AND (fluoro OR trim-sulf)* | #1 AND #2 AND #3 AND #6 | 1692 | 1846 |
| #8  *Oral administration* | TS=(oral OR orally OR "by mouth" OR "PO") | 861823 | 970306 |
| #9  *Bacteremia AND gram-neg AND beta-lactams AND oral admin* | #1 AND #2 AND #3 AND #8 | 294 | 339 |
| #10  *Step-down* | TS=("step down" OR "stepping down" OR stepdown) | 7233 | 7472 |
| #11  *Bacteremia AND gram-neg AND step-down* | #1 AND #2 AND #10 | 40 | 49 |
| #12  *Final combinations* | #7 OR #9 OR #11 | 1855 | 2036 |
| #13  *Animal exclusion* | #12 NOT TS=((animal\* OR rat OR rats OR mouse OR mice OR murine OR dog OR dogs OR canine OR cat OR cats OR feline OR rabbit OR cow OR cows OR bovine OR rodent\* OR sheep OR ovine OR pig OR swine OR porcine OR veterinar\* OR chick\* OR zebrafish\* OR baboon\* OR nonhuman\* OR primate\* OR cattle\* OR goose OR geese OR duck OR macaque\* OR avian\* OR bird\* OR fish\*) NOT (human\* OR patient\* OR women OR woman OR men OR man)) | 1790 | 1962 |
| #14  *Study design exclusion* | #13 NOT TI=("case report" OR "case study" OR editorial) | 1740 | 1910 |
| #15 | #14 refine to Document Types: Article or Review or Proceeding Paper or Early Access | 1720 | 1886 |
| Search update | Refined by publication years: 2023 OR 2024 | n/a | 178 |

**Database: Cochrane Library's Central Register of Controlled Trials (via Wiley)**  
Original search date: 8/11/2023  
Search update: 8/26/2024  
*Note: Search from Advanced Search > Search Manager*

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| **Search Set + Description** | **Search Strategy** | **Results 8/11/23** | **Results 8/26/24** |
| #1  *bacteremia* | [mh bacteremia] OR (bacterem\*:ti,ab OR bacteraem\*:ti,ab OR septicem\*:ti,ab OR septicaem\*:ti,ab) OR ((blood:ti,ab OR bloodstream:ti,ab) NEAR/2 (infection:ti,ab OR infections:ti,ab OR infected:ti,ab OR infecting:ti,ab OR infects:ti,ab OR pyemia:ti,ab OR pyemias:ti,ab OR pyohemia:ti,ab OR pyohemias:ti,ab OR pyaemia:ti,ab)) | 5337 | 5508 |
| #2  *Gram-negative organisms* | [mh "gram-negative bacteria"] OR [mh "gram-negative bacterial infections"] OR [mh enterobacteriaceae] OR [mh "enterobacteriaceae infections"] OR [mh escherichia] OR [mh "escherichia coli Infections"] OR [mh klebsiella] OR [mh "klebsiella infections"] OR [mh proteus] OR [mh "proteus infections"] OR (gram-negative:ti,ab OR "gram negative":ti,ab OR enterobacter\*:ti,ab OR klebsiella:ti,ab OR escherichia:ti,ab OR proteus:ti,ab OR haemophilus:ti,ab OR pseudomonas:ti,ab OR salmonella:ti,ab OR shigella:ti,ab OR yersinia:ti,ab OR "pseudomonas aeruginosa":ti,ab OR "acinetobacter baumannii":ti,ab OR "burkholderia cepacia":ti,ab OR "burkholderia pseudomallei":ti,ab OR stenotrophomonas:ti,ab OR alcaligenes:ti,ab OR moraxella:ti,ab OR calymmatobacterium:ti,ab OR citrobacter:ti,ab OR "cronobacter oredwardsiella":ti,ab OR erwinia:ti,ab OR hafnia:ti,ab OR kluyvera:ti,ab OR morganella:ti,ab OR pantoea:ti,ab OR pectobacterium:ti,ab OR photorhabdus:ti,ab OR plesiomonas:ti,ab OR providencia:ti,ab OR serratia:ti,ab OR wigglesworthia:ti,ab OR xenorhabdus:ti,ab) | 18681 | 19172 |
| #3  *Beta-lactams* | [mh beta-lactams] OR ("beta-lactam":ti,ab OR "beta-lactams":ti,ab OR "beta-lactamase":ti,ab OR "beta-lactamases":ti,ab OR penicillin:ti,ab OR penicillins:ti,ab OR amdinocillin:ti,ab OR amoxicillin:ti,ab OR azlocillin:ti,ab OR bacampicillin:ti,ab OR benzylpenicillin:ti,ab OR carbenicillin:ti,ab OR carfecillin:ti,ab OR cloxacillin:ti,ab OR cyclacillin:ti,ab OR dicloxacillin:ti,ab OR floxacillin:ti,ab OR flucloxacillin:ti,ab OR mezlocillin:ti,ab OR "penicillanic acid":ti,ab OR pivampicillin:ti,ab OR sulbenicillin:ti,ab OR talampicillin:ti,ab OR tazobactam:ti,ab OR cephalosporin:ti,ab OR cephalosporins:ti,ab OR cefaclor:ti,ab OR cefadroxil:ti,ab OR cefamandole:ti,ab OR cefatrizine:ti,ab OR cefazolin:ti,ab OR cefdinir:ti,ab OR cefditoren:ti,ab OR cefepime:ti,ab OR cefibuten:ti,ab OR cefixime:ti,ab OR cefmenoxime:ti,ab OR cefmetazole:ti,ab OR cefonicid:ti,ab OR cefoperazone:ti,ab OR cefotaxime:ti,ab OR cefotetan:ti,ab OR cefotiam:ti,ab OR cefoxitin:ti,ab OR cefpodoxime:ti,ab OR cefprozil:ti,ab OR cefsulodin:ti,ab OR ceftazidime:ti,ab OR ceftibuten:ti,ab OR ceftizoxime:ti,ab OR cefuroxime:ti,ab OR cephacetrile:ti,ab OR cephalexin:ti,ab OR cephaloglycin:ti,ab OR cephaloridine:ti,ab OR cephalothin:ti,ab OR cephamycin:ti,ab OR cephamycins:ti,ab OR cephapirin:ti,ab OR cephradine:ti,ab OR cephamycins:ti,ab OR cephems:ti,ab OR clavams:ti,ab) | 18393 | 19583 |
| #4  *fluoroquinolones* | [mh fluoroquinolones] OR (fluoroquinolone:ti,ab OR fluoroquinolones:ti,ab OR ciprofloxacin:ti,ab OR enrofloxacin:ti,ab OR fleroxacin:ti,ab OR gatifloxacn:ti,ab OR gemifloxacin:ti,ab OR levofloxacin:ti,ab OR moxifloxacin:ti,ab OR norfloxacin:ti,ab OR ofloxacin:ti,ab OR pelfloxacin:ti,ab OR trovafloxacin:ti,ab OR sparfloxacin:ti,ab OR lomofloxacin:ti,ab OR cinoxacin:ti,ab OR cinobac:ti,ab OR "nalidixic acid":ti,ab OR neggram:ti,ab) | 8224 | 8543 |
| #5  *Trim-sulfa* | [mh Trimethoprim] OR [mh Sulfamethoxazole] OR [mh "Trimethoprim, Sulfamethoxazole Drug Combination"] OR ("trimethoprim-sulfamethoxazole":ti,ab OR "trimethoprim sulfamethoxazole":ti,ab OR sulfamethoxazole-trimethoprim:ti,ab OR "sulfamethoxazole trimethoprim":ti,ab OR bactrim:ti,ab OR cotrim:ti,ab OR "co-trimoxazole":ti,ab OR cotrimoxazole:ti,ab OR septra:ti,ab OR sulfatrim:ti,ab OR "TMP-SMX":ti,ab OR "TMP SMX":ti,ab OR trimpex:ti,ab OR proloprim:ti,ab OR abaprim:ti,ab OR alprim:ti,ab OR catin:ti,ab OR delprim:ti,ab OR giprim:ti,ab OR idotrim:ti,ab OR infectotrimet:ti,ab OR methoprim:ti,ab OR monoprim:ti,ab OR monotrim:ti,ab OR motrim:ti,ab OR primosept:ti,ab OR primsol:ti,ab OR proloprim:ti,ab OR solotrim:ti,ab OR syraprim:ti,ab OR tiempe:ti,ab OR "tmp-ratiopharm":ti,ab OR tobyprim:ti,ab OR trimesan:ti,ab OR trimethoprim:ti,ab OR trimethoprime:ti,ab OR trimethoprin:ti,ab OR trimetoprim:ti,ab OR trimfect:ti,ab OR trimono:ti,ab OR trimopan:ti,ab OR trimpex:ti,ab OR trinopan:ti,ab OR triprim:ti,ab OR trisul:ti,ab OR uretrim:ti,ab OR utisept:ti,ab OR welcoprim:ti,ab OR wellcoprim:ti,ab OR trimethoprim:ti,ab) | 5342 | 2635 |
| #6 | #4 OR #5 | 13133 | 10740 |
| #7  *Bacteremia AND gram-neg AND beta-lactams AND (fluoro OR trim-sulf)* | #1 AND #2 AND #3 AND #6 | 72 | 53 |
| #8  *Oral administration* | [mh "administration, oral"] OR (oral:ti,ab OR orally:ti,ab OR "by mouth":ti,ab OR PO:ti,ab) | 211859 | 226791 |
| #9  *Bacteremia AND gram-neg AND beta-lactams AND oral admin* | #1 AND #2 AND #3 AND #8 | 78 | 59 |
| #10  *Step-down* | (step-down:ti,ab OR "step down":ti,ab OR "stepping down":ti,ab OR stepdown:ti,ab) | 1105 | 1178 |
| #11  *Bacteremia AND gram-neg AND step-down* | #1 AND #2 AND #10 | 15 | 18 |
| #12  *Final combinations* | #7 OR #9 OR #11 | 117 | 97 |
| Search update | 2023-2024 | n/a | 8 |