

Appendix 1 (part 1 of 2): Search strategy used in MEDLINE

Searches

- 1 exp *anti-bacterial agents/ or (antimicrobial* or antibacterial* or antibiotic* or anti-infective* or anti-microbial* or anti-bacterial* or anti-biotic* or anti-infective* or "β-lactam*" or b-Lactam* or beta-Lactam* or ampicillin* or carbapenem* or cephalosporin* or clindamycin or erythromycin or fluconazole* or methicillin or multidrug or multi-drug or penicillin* or tetracycline* or vancomycin).kf,kw,ti. or (antimicrobial or antibacterial or anti-infective or anti-microbial or anti-bacterial or anti-infective or "β-lactam*" or b-Lactam* or beta-Lactam* or ampicillin* or carbapenem* or cephalosporin* or c lindamycin or erythromycin or fluconazole* or methicillin or multidrug or multi-drug or penicillin* or tetracycline* or vancomycin).ab. /freq=2
- 2 alamethicin/ or amdinocillin/ or amdinocillin pivoxil/ or amikacin/ or amoxicillin/ or amphotericin b/ or ampicillin/ or anisomycin/ or antimycin a/ or aurodox/ or azithromycin/ or azlocillin/ or aztreonam/ or bacitracin/ or bacteriocins/ or bambarmycins/ or bongkreki acid/ or brefeldin a/ or butirosin sulfate/ or calcimycin/ or candididin/ or capreomycin/ or carbenicillin/ or carfecillin/ or cefaclor/ or cefadroxil/ or cefamandole/ or cefatrizine/ or cefazolin/ or cefixime/ or cefmenoxime/ or cefmetazole/ or cefonicid/ or cefoperazone/ or cefotaxime/ or cefotetan/ or cefotiam/ or cefoxitin/ or cefsulodin/ or ceftazidime/ or ceftizoxime/ or ceftriaxone/ or cefuroxime/ or cephaecetile/ or cephalaxin/ or cephaloglycin/ or cephaloridine/ or cephalosporins/ or cephalothin/ or cephamycins/ or cephapirin/ or cephradine/ or chloramphenicol/ or chlortetracycline/ or ciprofloxacin/ or citrinin/ or clarithromycin/ or clavulanic acids/ or clindamycin/ or cloxacillin/ or colistin/ or cyclacillin/ or dactinomycin/ or daptomycin/ or demeclocycline/ or dibekacin/ or dicloxacillin/ or dihydrostreptomycin sulfate/ or diketopiperazines/ or distamycins/ or doxycycline/ or echinomycin/ or edeine/ or enoxacin/ or enviomycin/ or erythromycin/ or erythromycin estolate/ or erythromycin ethylsuccinate/ or filipin/ or floxacillin/ or fluoroquinolones/ or fosfomycin/ or framycetin/ or fusidic acid/ or gentamicins/ or gramicidin/ or hygromycin b/ or imipenem/ or josamycin/ or kanamycin/ or kitasamycin/ or lactams/ or lasalocid/ or leucomycins/ or levofloxacin/ or lincomycin/ or lincosamides/ or linezolid/ or lucensomycin/ or lymecycline/ or mepartricin/ or methacycline/ or methicillin/ or mezlocillin/ or mikamycin/ or minocycline/ or miocamycin/ or moxalactam/ or mupirocin/ or mycobacillin/ or nafcillin/ or nalidixic acid/ or natamycin/ or nebramycin/ or neomycin/ or netilmicin/ or netropsin/ or nigericin/ or nisin/ or norfloxacin/ or novobiocin/ or nystatin/ or ofloxacin/ or oleandomycin/ or oligomycins/ or oxacillin/ or oxolinic acid/ or oxytetracycline/ or paromomycin/ or pefloxacin/ or penicillanic acid/ or penicillic acid/ or penicillin g/ or penicillin g benzathine/ or penicillin g procaine/ or penicillin v/ or penicillins/ or pipemidic acid/ or piperacillin/ or pivampicillin/ or polymyxin b/ or polymyxins/ or prodigiosin/ or ribostamycin/ or rifabutin/ or rifamycins/ or ristocetin/ or rolitetracycline/ or roxarsone/ or roxithromycin/ or rutamycin/ or sirolimus/ or sisomicin/ or spectinomycin/ or spiramycin/ or streptogramin a/ or streptogramin group a/ or streptogramin group b/ or streptogramins/ or streptomycin/ or streptovaricin/ or sulbactam/ or sulbenicillin/ or sulfamerazine/ or sulfamethoxyipyridazine/ or talampicillin/ or teicoplanin/ or tetracycline/ or thiamphenicol/ or thienamycins/ or thioestrepton/ or ticarcillin/ or tobramycin/ or trimethoprim, sulfamethoxazole drug combination/ or troleandomycin/ or tunicamycin/ or tylosin/ or tyrocidine/ or tyrothricin/ or valinomycin/ or vancomycin/ or vernamycin b/ or viomycin/ or virginiamycin/ or beta-lactams/
- 3 (alamethicin or amdinocillin or amikacin or amoxicillin or amphotericin or ampicillin or anisomycin or antimycin or aurodox or azithromycin or azlocillin or aztreonam or bacitracin or bacteriocins or bambarmycins or bongkreki acid or brefeldin or butirosin sulfate or calcimycin or candididin or capreomycin or carbenicillin or carfecillin or cefaclor or cefadroxil or cefamandole or cefatrizine or cefazolin or cefixime or cefmenoxime or cefmetazole or cefonicid or cefoperazone or cefotaxime or cefotetan or cefotiam or cefoxitin or cefsulodin or ceftazidime or ceftizoxime or ceftriaxone or cefuroxime or cephaecetile or cephalaxin or cephaloglycin or cephaloridine or cephalosporins or cephalothin or cephamycins or cephapirin or cephradine or chloramphenicol or chlortetracycline or citrinin or clarithromycin or clindamycin or cloxacillin or colistin or cyclacillin or dactinomycin or daptomycin or demeclocycline or dibekacin or dicloxacillin or dihydrostreptomycin or diketopiperazines or distamycins or doxycycline or echinomycin or edeine or enoxacin or enviomycin or erythromycin or filipin or floxacillin or fluoroquinolones or fosfomycin or framycetin or fusidic acid or gentamicins or gramicidin or hygromycin or imipenem or josamycin or kanamycin or kitasamycin or lactams or lasalocid or leucomycins or levofloxacin or lincomycin or lincosamides or linezolid or lucensomycin or lymecycline or mepartricin or methacycline or methicillin or mezlocillin or mikamycin or minocycline or miocamycin or moxalactam or mupirocin or mycobacillin or nafcillin or nalidixic acid or natamycin or nebramycin or neomycin or netilmicin or netropsin or nigericin or nisin or norfloxacin or novobiocin or nystatin or ofloxacin or oleandomycin or oligomycins or oxacillin or oxolinic acid or oxytetracycline or paromomycin or pefloxacin or penicillanic acid or penicillic acid or penicillin or pipemidic acid or piperacillin or pivampicillin or polymyxin or polymyxins or prodigiosin or ribostamycin or rifabutin or rifamycins or ristocetin or rolitetracycline or roxarsone or roxithromycin or rutamycin or sirolimus or sisomicin or spectinomycin or spiramycin or streptogramin or streptogramins or streptomycin or streptovaricin or sulbactam or sulbenicillin or sulfamerazine or sulfamethoxyipyridazine or talampicillin or teicoplanin or tetracycline or thiamphenicol or thienamycins or thioestrepton or ticarcillin or tobramycin or sulfamethoxazole or trimethoprim or troleandomycin or tunicamycin or tylosin or tyrocidine or tyrothricin or valinomycin or vancomycin or vernamycin or viomycin or virginiamycin).kf,kw,ti,ab.
- 4 1 or 2 or 3
- 5 exp drug hypersensitivity/di
- 6 ((allerg* or hypersensitiv*) and (documented or documentation or label* or reported or records or recorded or record or chart?)).kf,kw,ti. or ((allerg* or hypersensitiv*) adj8 (documented or documentation or label* or reported or records or recorded or record or chart?)).ab.
- 7 ((allerg* or hypersensitiv*).ab. and ("in data review" or in process or "pubmed not medline").st.) or (allerg* or hypersensitiv*).kf,kw,ti. or exp drug hypersensitivity/ or "Allergy and Immunology"/ or Hypersensitivity/
- 8 medical records/ or health records, personal/ or medical records, problem-oriented/ or medical records systems, computerized/ or electronic health records/ or documentation/ or (((health or electronic or medical) adj2 (record* or documentation)) or EHR or EMR or patient* record?).kf,kw,ti. or (((health or electronic or medical) adj2 (record* or documentation)) or EHR or EMR or patient* record?).ab. /freq=2
- 9 7 and 8
- 10 5 or 6 or 9

Supplementary material for Wu JHC, Langford BJ, Schwartz KL, Zvonar R, Raybardhan S, Leung V, et al. Potential negative effects of antimicrobial allergy labelling on patient care: a systematic review. *Can J Hosp Pharm.* 2018;70(1):29-35.

Appendix 1 (part 2 of 2): Search strategy used in MEDLINE

- 11 (allerg* or hypersensitiv*).mp. and (assess* or clarifi* or confirm* or diagnostic protocol* or refuted or detailed history or incorrect* or mistake* or erroneous or error or false* or outdated or updated or inaccura* or misdiagnos* or mislabel* or unreliable or reliab* or verif* or unclear history or disputed or overreported or over-reported or over-estimated or overestimated or overstated or over stated or patient-reported or patient reported or ((patient* or self) adj1 (reported or recollection)) or self-reported or patient-reported or (system* adj1 history) or systematic-history or delabel* or de-label* or documented or documentation or label* or reported or records or recorded or record or chart? or rerecord* or redocument* or relabel* or re-label* or re-record* or re-document* or dedocument* or derecord* or delabel* or de-document* or de-record* or de-label*).kf,kw,ti,ab.
- 12 medical history taking/ or exp predictive value of tests/ or cross reactions/ or skin tests/ or intradermal tests/ or skin test end-point titration/ or patch tests/ or skin window technique/ or Immunoglobulin E/ or Immunologic tests/ or (((patch or skin or intradermal or dermal) adj2 (test* or prick*)) or (drug adj2 (challenges or challenging or oral administration)) or ((immediate or delayed or cross) adj2 reaction*) or cross-reaction* or stewardship or pseudoallerg* or anaphylactoid reaction* or ((graded or oral or incremental or drug or antibiotic or antimicrobial) adj2 challenge) or rechallenge or cross-reactivity or ((in-vivo or in-vitro or "in vivo" or "in vitro") adj2 test*) or "Immunoglobulin E" or IgE).mp.
- 13 11 or 12
- 14 Inappropriate prescribing/ or drug prescriptions/ae or morbidity/ or mortality/ or drug costs/ or "cost of illness"/ or hospitalization/ or "length of stay"/ or patient discharge/ or patient readmission/ or "costs and cost analysis"/ or health care costs/ or drug costs/ or employer health costs/ or hospital costs/ or health expenditures/ or drug utilization/ or "drug utilization review"/ or treatment outcome/ or (((clinical or prescribing or treatment) adj3 (results or outcome or costs)) or ((antibiotic or antimicrobial or penicillin) adj2 (broad spectrum or broad-spectrum or duration or prescribed or number overus* or "usage" or utilization or "use")) or overprescrib* or over-prescrib* or readmission* or readmit* or hospital* stay* or "length of stay" or "patient outcome*" or mortality or morbidity or side effect* or adverse event* or stewardship).kf,kw,ti,ab.
- 15 4 and 10 and 13 and 14
- 16 limit 15 to (yr="1990 -Current" and english)