

Appendix 1 : Search Strategy by Pathogens (OVID)

Drug-resistant Gram Negative Bacilli (Aug 20, 2013)

| # ▲ | Searches | Results |
|-----|---|-----------|
| 1 | beta-lactamase.mp. or beta-Lactamases/ | 21011 |
| 2 | extended-spectrum-beta-lactamases.mp. | 1564 |
| 3 | metallo-beta-lactamases.mp. | 465 |
| 4 | amp-C.mp. | 148 |
| 5 | 1 or 2 or 4 | 21324 |
| 6 | Drug Resistance, Bacterial/ | 25901 |
| 7 | Carbapenems/ | 2939 |
| 8 | carbapenemase.mp. | 1266 |
| 9 | 7 or 8 | 3739 |
| 10 | 5 or 9 | 22983 |
| 11 | 6 or 10 | 46210 |
| 12 | Canada/ or Canadian.mp. | 88517 |
| 13 | Gram-Negative Bacteria/ | 15345 |
| 14 | Enterobacteriaceae/ | 15280 |
| 15 | 13 and 14 | 472 |
| 16 | 14 or 15 | 15280 |
| 17 | 11 and 12 and 13 | 18 |
| 18 | limit 17 to "review articles" | 1 |
| 19 | 17 not 18 | 17 |
| 20 | limit 19 to yr="2008 -Current" | 8 |
| 21 | Escherichia coli/ | 233394 |
| 22 | klebsiella infections/ or klebsiella oxytoca/ or klebsiella pneumoniae/ | 12386 |
| 23 | 14 and 21 and 22 | 298 |
| 24 | 14 or 21 or 22 | 255043 |
| 25 | 11 and 12 and 24 | 94 |
| 26 | limit 25 to yr="2008 -Current" | 67 |
| 27 | limit 26 to "review articles" | 6 |
| 28 | 26 not 27 | 61 |
| 29 | Pseudomonas aeruginosa/ | 33515 |
| 30 | 14 or 21 or 22 or 29 | 281613 |
| 31 | Enterobacter/ | 3737 |
| 32 | 30 or 31 | 283330 |
| 33 | 11 and 12 and 32 | 103 |
| 34 | limit 33 to yr="2006 -Current" | 83 |
| 35 | limit 34 to "review articles" | 6 |
| 36 | 34 not 35 | 77 |
| 37 | limit 36 to humans | 54 |
| 38 | from 28 keep 2-4 | 3 |
| 39 | from 37 keep 2-5, 7-9, 11, 13-14, 18, 22... | 21 |
| 40 | 37 | 54 |
| 41 | limit 40 to yr="2008 -Current" | 44 |
| 42 | limit 39 to yr="2008 -Current" | 19 |
| 43 | from 42 keep 1-16, 18-19 | 18 |

Resistant Salmonella (Aug 21, 2013)

| # ▲ | Searches | Results |
|-----|-------------------------------|----------|
| 1 | Salmonella/ | 18289 |
| 2 | Canada/ or Canadian.mp. | 88517 |
| 3 | Drug Resistance, Bacterial/ | 25901 |
| 4 | Drug Resistance, Bacterial/ | 25901 |
| 5 | 1 and 2 and 4 | 6 |
| 6 | limit 5 to yr="2008 -Current" | 4 |
| 7 | limit 5 to yr="2008 -Current" | 4 |
| 8 | from 5 keep 1 | 1 |
| 9 | from 7 keep 1 | 1 |

VRE (Aug 20, 2013)

| # ▲ | Searches | Results |
|-----------|--|----------|
| 1 | Canada/ or Canadian.mp. | 88517 |
| 2 | vancomycin/ or vancomycin resistance/ | 12638 |
| 3 | enterococcus/ or enterococcus faecalis/ or enterococcus faecium/ | 15521 |
| 4 | 1 and 2 and 3 | 22 |
| 5 | limit 4 to yr="2008 -Current" | 7 |
| 6 | limit 5 to "review articles" | 1 |
| 7 | 5 not 6 | 6 |
| 8 | vancomycin-resistant.mp. | 4274 |
| 9 | 2 or 8 | 13968 |
| 10 | 1 and 3 and 9 | 23 |
| 11 | limit 10 to yr="2008 - 2013" | 8 |
| 12 | limit 11 to "review articles" | 1 |
| 13 | 11 not 12 | 7 |
| 14 | from 13 keep 7 | 1 |

MRSA/VRSA (Aug 20, 2013)

| # ▲ | Searches | Results |
|-----------|--|-----------|
| 1 | Canada/ or Canadian.mp. | 88517 |
| 2 | Staphylococcus aureus/ | 46379 |
| 3 | methicillin/ or methicillin resistance/ | 13002 |
| 4 | vancomycin/ or vancomycin resistance/ | 12638 |
| 5 | Methicillin-Resistant Staphylococcus aureus/ | 6989 |
| 6 | 2 and 3 | 9163 |
| 7 | 5 and 6 | 157 |
| 8 | 3 and 4 and 7 | 23 |
| 9 | 1 and 7 | 2 |
| 10 | 1 and 5 | 70 |
| 11 | limit 10 to yr="2008 - 2013" | 69 |
| 12 | limit 11 to "review articles" | 7 |
| 13 | 11 not 12 | 62 |
| 14 | from 13 keep 2, 7, 14, 22-25, 31, 33... | 16 |

Resistant Pneumococcus (Aug 22, 2013)

| # ▲ | Searches | Results |
|-----------|---|----------|
| 1 | Streptococcus pneumoniae/ | 19603 |
| 2 | drug resistance, microbial/ | 55389 |
| 3 | Canadian.mp. | 36294 |
| 4 | pneumococcus.mp. or Streptococcus pneumoniae/ | 20571 |
| 5 | Pneumococcal Infections/ | 10837 |
| 6 | Macrolides/ or macrolide resistance.mp. | 10585 |
| 7 | Penicillin Resistance/ | 10183 |
| 8 | beta-Lactam Resistance/ | 3150 |
| 9 | 6 or 7 or 8 | 23663 |
| 10 | 4 or 5 | 24884 |
| 11 | serotype 19A.mp. | 216 |
| 12 | 2 and 4 and 11 | 11 |
| 13 | 4 and 10 | 20571 |
| 14 | susceptibility.mp. | 197986 |
| 15 | 10 and 14 | 2680 |
| 16 | Canada/ or Canadian.mp. | 88517 |
| 17 | 15 and 16 | 39 |
| 18 | limit 17 to yr="2008 -Current" | 13 |
| 19 | from 18 keep 2-3, 5-9, 13 | 8 |

Resistant N. gonorrhoea (Aug 21, 2013)

| # ▲ | Searches | Results |
|-----------|-------------------------------|----------|
| 1 | Neisseria gonorrhoeae/ | 8714 |
| 2 | gonorrhoea.m_titl. | 2815 |
| 3 | Gonorrhoea/ | 11993 |
| 4 | 1 or 2 or 3 | 16486 |
| 5 | Canada/ or Canadian.mp. | 88517 |
| 6 | Drug Resistance, Microbial/ | 55389 |
| 7 | 4 and 5 and 6 | 8 |
| 8 | limit 7 to yr="2008 -Current" | 1 |
| 9 | 1 and 6 | 731 |
| 10 | limit 9 to yr="2008 -Current" | 20 |
| 11 | limit 10 to "review articles" | 1 |
| 12 | 10 not 11 | 19 |
| 13 | from 8 keep 1 | 1 |
| 14 | from 12 keep 1, 3, 12 | 3 |

Drug-resistant Tuberculosis (Aug 20, 2013)

| Searches | Results | Search Type |
|-----------|---|-------------|
| 1 | Mycobacterium tuberculosis/ | 38274 |
| 2 | Canada/ or Canadian.mp. | 88517 |
| 3 | Drug Resistance, Microbial/ | 55389 |
| 4 | Tuberculosis, Multidrug-Resistant/ | 4611 |
| 5 | extensively drug-resistant tuberculosis.mp. or Extensively Drug-Resistant Tuberculosis/ | 675 |
| 6 | multi-drug-resistant tuberculosis.mp. or Tuberculosis, Multidrug-Resistant/ | 4689 |
| 7 | 5 or 6 | 5046 |
| 8 | 2 and 7 | 19 |
| 9 | limit 8 to yr="2008 -Current" | 6 |
| 10 | from 9 keep 1, 4-5 | 3 |

Candida Susceptibility patterns (Aug 23, 2013)

| # ▲ | Searches | Results |
|-----------|---------------------------------------|----------|
| 1 | Candida/ | 17461 |
| 2 | Canada/ or canadian.mp. | 88517 |
| 3 | Drug Resistance, Microbial/ | 55389 |
| 4 | Drug Resistance, Fungal/ | 3554 |
| 5 | susceptibility.mp. | 47 |
| 6 | Quebec.mp. or Quebec/ | 14636 |
| 7 | Ontario.mp. or Ontario/ | 28450 |
| 8 | Alberta.mp. or Alberta/ | 8155 |
| 9 | 4 or 5 | 3601 |
| 10 | 3 or 4 | 58936 |
| 11 | 1 and 2 and 10 | 6 |
| 12 | 1 and 8 | 8 |
| 13 | 1 and 7 | 5 |
| 14 | 1 and 6 | 4 |
| 15 | epidemiology.mp. or Epidemiology/ | 143018 |
| 16 | 1 and 2 and 15 | 4 |
| 17 | limit 16 to yr="2008 -Current" | 1 |