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**Database: Ovid MEDLINE(R) ALL <1946 to June 15, 2023>**

**Search Strategy:**

- 1 amr.tw. (7603)
- 2 anti biotic\*.tw. (156)
- 3 antibiotic\*.tw. (407211)
- 4 Enterobacteria\*.tw. (27998)
- 5 antimicrobial\*.tw. (216434)
- 6 microbial\*.tw. (234617)
- 7 antibacter\*.tw. (103385)
- 8 Macrolide\*.tw. (18801)
- 9 betalactam\*.tw. (962)
- 10 Beta lactam\*.tw. (51722)
- 11 Bacter\*.tw. (1026396)
- 12 drug\*.tw. (1920316)
- 13 multidrug\*.tw. (73682)
- 14 Resistan\*.tw. (1212899)
- 15 Coresist\*.tw. (182)
- 16 Select\*.tw. (2310338)
- 17 Coselect\*.tw. (240)
- 18 Resistome\*.tw. (1913)
- 19 Mobilome\*.tw. (338)
- 20 select.tw. (133058)
- 21 selection.tw. (532546)
- 22 produce.tw. (489835)
- 23 producing.tw. (282630)
- 24 14 or 15 or 17 or 18 or 19 or 20 or 21 or 22 or 23 (2472911)
- 25 5 or 7 (291478)
- 26 14 and 25 (105986)
- 27 2 or 3 or 4 or 6 or 8 or 9 or 10 or 11 or 12 or 13 (3257972)
- 28 ((Resistan\* or Coresist\* or Coselect\* or Resistome\* or Mobilome\* or select or selection or produce or producing) adj1 (anti biotic\* or antibiotic\* or Enterobacteria\* or ESBL\* or microbial\* or Macrolide\* or betalactam\* or Beta lactam\* or Bacter\* or drug\* or multidrug\*)).tw. (256107)
- 29 1 or 26 or 28 (312723)
- 30 15 or 16 or 17 or 18 or 19 or 22 or 23 (2972490)
- 31 ((antimicrobial\* or antibacter\*) adj1 (Coresist\* or Select\* or Coselect\* or Resistome\* or Mobilome\* or produce or producing)).tw. (2379)
- 32 29 or 31 (313990)
- 33 exp Drug Resistance, Bacterial/ (102454)
- 34 32 or 33 (356123)
- 35 human\*.tw. (3176689)
- 36 public\*.tw. (797476)
- 37 patient\*.tw. (8062283)
- 38 clinical\*.tw. (4697580)
- 39 35 or 36 or 37 or 38 (12819852)
- 40 freshwater\*.tw. (46310)
- 41 sediment\*.tw. (119921)
- 42 wastewater\*.tw. (75814)
- 43 effluent\*.tw. (42975)
- 44 wetland\*.tw. (15320)
- 45 aquatic\*.tw. (70652)
- 46 river\*.tw. (82587)
- 47 natural.tw. (693505)
- 48 stream\*.tw. (86854)
- 49 sewage\*.tw. (24899)
- 50 influent\*.tw. (39213)

51 estuar\*.tw. (16828)  
 52 pond\*.tw. (20316)  
 53 lake\*.tw. (48001)  
 54 quarr\*.tw. (1717)  
 55 water canal\*.tw. (86)  
 56 water\*.ti. (248638)  
 57 environment\*.ti. (200934)  
 58 or/40-57 (1541039)  
 59 amr.ti. (301)  
 60 anti biotic\*.ti. (22)  
 61 antibiotic\*.ti. (119604)  
 62 Enterobacteria\*.ti. (7948)  
 63 antimicrobial\*.ti. (75120)  
 64 microbial\*.ti. (65673)  
 65 antibacter\*.ti. (36792)  
 66 Macrolide\*.ti. (5362)  
 67 betalactam\*.ti. (174)  
 68 lactam\*.ti. (21941)  
 69 Bacter\*.ti. (306575)  
 70 drug\*.ti. (465665)  
 71 multidrug\*.ti. (24166)  
 72 Resistan\*.ti. (361698)  
 73 Coresist\*.ti. (27)  
 74 Select\*.ti. (313193)  
 75 produc\*.ti. (463898)  
 76 or/59-75 (2046937)  
 77 Expos\*.tw. (1425175)  
 78 Transmi\*.tw. (625451)  
 79 consum\*.tw. (597708)  
 80 contact\*.tw. (469706)  
 81 transfer\*.tw. (765961)  
 82 Infect\*.tw. (2111210)  
 83 impact\*.tw. (1554253)  
 84 health\*.tw. (3530915)  
 85 contamin\*.tw. (285867)  
 86 acquisit\*.tw. (193832)  
 87 77 or 78 or 79 or 80 or 81 or 82 or 83 or 84 or 85 or 86 (9145340)  
 88 ((human\* or public\* or patient\* or clinical\* or wound\*) adj4 (Expos\* or Transmi\* or consum\* or contact\* or transfer\* or Infect\* or impact\* or health\* or contamin\* or acquisit\*)).tw. (1470387)  
 89 34 and 58 and 76 and 88 (4036)  
 90 Comment/ (1010994)  
 91 letter/ (1220130)  
 92 editorial/ (653538)  
 93 exp animals/ not humans.sh. (5131837)  
 94 90 or 91 or 92 or 93 (7224028)  
 95 89 not 94 (3655)  
 96 95 (3655)  
 97 limit 96 to yr="2000-Current" (3588)

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