

Additional file 4

Table: The coding frameworks for the antibiotic formulation and WHO AWaRe criteria(1)

Antibiotic	WHO AWaRe	Formulation coded as:
Amikacin	Access	parenteral
Amoxicillin	Access	parenteral/oral/other*
Amoxicillin/clavulanic acid	Access	parenteral/oral/other*
Ampicillin	Access	parenteral
Azithromycin	Watch	oral
Cefadroxil	Access	oral
Cefazolin	Access	parenteral
Cefepime	Watch	parenteral
Cefepime/Tazobactam	Not recommended	parenteral
Cefixime	Watch	oral
Cefotaxime	Watch	parenteral
Cefpodoxime	Watch	oral
Ceftriaxone	Watch	parenteral
Ceftriaxone/Sulbactam	Not recommended	parenteral
Cefuroxime	Watch	parenteral/oral/other*
Cephalexin	Access	oral
Chloramphenicol	Access	parenteral/oral/other*
Ciprofloxacin	Watch	parenteral/oral/other*
Clarithromycin	Watch	parenteral/oral/other*
Clindamycin	Access	parenteral/oral/other*
Cloxacillin	Access	parenteral/oral/other*
Doxycycline	Access	parenteral/oral/other*
Erythromycin	Watch	parenteral/oral/other*
Flucloxacillin	Access	parenteral/oral/other*
Gentamicin	Access	parenteral
Levofloxacin	Watch	parenteral/oral/other*
Lincomycin	Watch	parenteral
Meropenem	Watch	parenteral
Metronidazole	Access	parenteral/oral/other*
Metronidazole/Norfloxacin	Not recommended	oral
Norfloxacin	Watch	oral
Ofloxacin	Watch	oral
Ofloxacin/Ornidazol	Not recommended	oral
Oxacillin	Access	parenteral/oral/other*
Penicillin	Access	parenteral/oral/other*
Piperacillin	Watch	parenteral
Rifampicin	Watch	oral
Sulfamethoxazole	Access	oral
Sulfamethoxazole/trimethoprim	Access	parenteral/oral/other
Tetracycline	Access	oral
Vancomycin	Watch	parenteral
Neomycin	Watch	parenteral/oral/other*
Piperacillin/Tazobactam	Watch	parenteral
Rifaximin	Watch	oral
Ticarcillin	Watch	parenteral
Tazobactam	Watch	parenteral
Imipenem	Watch	parenteral

Legend: Access antibiotics are colored in green; Watch antibiotics are colored in yellow; Not recommended antibiotics are colored in brown; No Reserve antibiotics are reported in the study; Antibiotic formulations coded as parenteral are colored in beige; Antibiotic formulations coded as oral are colored in light-blue; Parental antibiotic formulations coded as parenteral/oral/other* are colored in light-green and refer to both (parenteral and oral) or other possible routes of administration.

Bibliography

1. World Health Organization. WHO Access, Watch, Reserve (AWaRe) classification of antibiotics for evaluation and monitoring of use. Geneva: World Health Organization: 2021. <https://www.who.int/publications/i/item/2021-aware-classification>