

Appendix 2: Classification of antibiotics as first-, second- or third-line treatment²⁴

Infection	Population	First-line treatment	Second-line treatment	Third-line treatment
Acute urinary tract infection	1-12 yr	<ul style="list-style-type: none"> • Trimethoprim and sulfamethoxazole • Nitrofurantoin 	<ul style="list-style-type: none"> • Amoxicillin • Cephalexin • Trimethoprim 	<ul style="list-style-type: none"> • Amoxicillin and clavulanic acid • Cefixime
Pharyngitis or tonsillitis	> 1 yr	<ul style="list-style-type: none"> • Penicillin V Benzathine • Penicillin V Potassium • Amoxicillin (1-12 yr) • Pivampicillin (1-12 yr) • Bacampicillin (1-12 yr) 	<ul style="list-style-type: none"> • Erythromycin • Erythromycin estolate • Erythromycin ethylsuccinate • Erythromycin stearate 	<ul style="list-style-type: none"> • Cephalexin • Clarithromycin (> 12 yr)
Otitis media	> 1 yr	<ul style="list-style-type: none"> • Amoxicillin • Pivampicillin (1-12 yr) • Bacampicillin (1-12 yr) 	<ul style="list-style-type: none"> • Trimethoprim and sulfamethoxazole • Erythromycin and sulfisoxazole (1-12 yr) • Amoxicillin and clavulanic acid • Cefixime • Cefaclor • Cefuroxime axetil • Pivampicillin (> 12 yr) • Bacampicillin (> 12 yr) 	<ul style="list-style-type: none"> • Trimethoprim • Clarithromycin • Doxycycline (> 12 yr)
Acute sinusitis	> 1 yr	<ul style="list-style-type: none"> • Amoxicillin • Pivampicillin (1-12 yr) • Bacampicillin (1-12 yr) 	<ul style="list-style-type: none"> • Trimethoprim and sulfamethoxazole • Erythromycin and sulfisoxazole • Amoxicillin and clavulanic acid • Cefixime • Cefaclor • Cefixime axetil • Pivampicillin (> 12 yr) • Bacampicillin (> 12 yr) 	<ul style="list-style-type: none"> • Trimethoprim • Clarithromycin • Doxycycline (> 12 yr)
Whooping cough	All patients	<ul style="list-style-type: none"> • Erythromycin • Erythromycin estolate • Erythromycin ethylsuccinate • Erythromycin stearate 	<ul style="list-style-type: none"> • Trimethoprim and sulfamethoxazole 	<ul style="list-style-type: none"> • Tetracycline • Amoxicillin • Ampicillin
Acute Bronchitis	1-12 yr	• No antibiotics indicated	• No antibiotics indicated	• No antibiotics indicated
	> 12 yr	<ul style="list-style-type: none"> • Tetracycline • Erythromycin • Erythromycin estolate • Erythromycin ethylsuccinate • Erythromycin stearate 	<ul style="list-style-type: none"> • Doxycycline • Clarithromycin 	• No recommendations provided

Continued

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Infection	Population	First-line treatment	Second-line treatment	Third-line treatment
Pneumonia	1-12 yr	<ul style="list-style-type: none"> • Amoxicillin • Pivampicillin • Erythromycin • Erythromycin estolate • Erythromycin ethylsuccinate • Erythromycin stearate • Bacampicillin 	<ul style="list-style-type: none"> • Trimethoprim and sulfamethoxazole • Clarithromycin • Erythromycin and sulfisoxazole • Amoxicillin and clavulanic acid • Cefixime • Cefaclor • Cefuroxime axetil 	<ul style="list-style-type: none"> • No recommendations provided
	> 12 yr	<ul style="list-style-type: none"> • Tetracycline • Erythromycin • Erythromycin estolate • Erythromycin ethylsuccinate • Erythromycin stearate 	<ul style="list-style-type: none"> • Doxycycline • Clarithromycin 	<ul style="list-style-type: none"> • No recommendations provided
	> 12 yr (with diabetes, renal insufficiency, chronic heart failure or admission to hospital in the previous year)	<ul style="list-style-type: none"> • Trimethoprim and sulfamethoxazole • Cefaclor • Cefuroxime axetil • Amoxicillin and clavulanic acid <p>Any one of the above and/or one of:</p> <ul style="list-style-type: none"> • Erythromycin • Erythromycin estolate • Erythromycin ethylsuccinate • Erythromycin stearate • Clarithromycin 	<ul style="list-style-type: none"> • No recommendations provided 	<ul style="list-style-type: none"> • No recommendations provided
Acute urinary tract infection	1-12 yr	<ul style="list-style-type: none"> • Trimethoprim and sulfamethoxazole • Nitrofurantoin 	<ul style="list-style-type: none"> • Amoxicillin • Cephalexin • Trimethoprim 	<ul style="list-style-type: none"> • Amoxicillin and clavulanic acid • Cefixime
	>12 yr	<ul style="list-style-type: none"> • Trimethoprim and sulfamethoxazole • Trimethoprim • Nitrofurantoin 	<ul style="list-style-type: none"> • Amoxicillin • Ofloxacin • Norfloxacin • Ciprofloxacin 	<ul style="list-style-type: none"> • Cephalexin • Amoxicillin and clavulanic acid