



# Model List of Essential Medicines

## Amikacin

Section	Indications
<b>Access group antibiotics</b>	
Parenteral > General injections > unspecified: 250 mg per mL in 2 mL vial (as sulfate); 50 mg per mL in 2 mL vial (as sulfate)	First choice <b>Neutropenia (high-risk)</b> co-prescribed with <b>cefotaxime</b> <b>Inflammatory and other diseases of prostate (severe)</b> co-prescribed with <b>cefotaxime</b> <b>Acute pyelonephritis (severe)</b> co-prescribed with <b>ceftriaxone</b> <b>Inflammatory and other diseases of prostate (severe)</b> co-prescribed with <b>ceftriaxone</b> <b>Acute pyelonephritis (severe)</b>
Parenteral > General injections > unspecified: 250 mg per mL in 2 mL vial (as sulfate)	Second choice co-prescribed with <b>cloxacillin</b> <b>Sepsis without septic shock</b>

## Amoxicillin

Section	Indications
<b>Access group antibiotics</b>	
Oral > Liquid: 125 mg per 5 mL (as trihydrate) powder for oral liquid; 250 mg per 5 mL (as trihydrate) powder for oral liquid	
Parenteral > General injections > unspecified: 250 mg in vial (as sodium) powder for injection; 500 mg in vial (as sodium) powder for injection; 1 g in vial (as sodium) powder for injection	
Oral > Solid > dispersible tablet: 250 mg (scored) (as trihydrate); 500 mg (scored) (as trihydrate)	
Oral > Solid > dosage form: 250 mg (as trihydrate); 500 mg (as trihydrate)	
Oral > Liquid: 125 mg per 5 mL (anhydrous) powder for oral liquid; 250 mg per 5 mL (anhydrous) powder for oral liquid	
Oral > Solid > dosage form: 250 mg (as trihydrate); 500 mg (as trihydrate); 1 g (as trihydrate)	
	<b>First choice</b>
	Bacterial pneumonia (Community-acquired pneumonia - mild to moderate)
	Acute malnutrition in infants, children or adolescents (uncomplicated) [children]
	Acute malnutrition in infants, children or adolescents (complicated) [children]
	Acute pharyngitis
	Chronic obstructive pulmonary disease with acute exacerbation
	Periapical abscess without sinus
	Acute otitis media
	Acute sinusitis
	co-prescribed with <b>gentamicin</b>
	Bacterial pneumonia (Community-acquired pneumonia - severe) [children]
	co-prescribed with <b>gentamicin</b>
	Sepsis without septic shock
	<b>Second choice</b>
	Bacterial meningitis
	<b>Other indications</b>
	Infectious cystitis
	Bacterial infection of unspecified site

## Amoxicillin + clavulanic acid

Section	Indications
<b>Access group antibiotics</b>	
Parenteral > General injections > IV: 500 mg (as sodium salt) + 100 mg (as potassium salt) powder for injection; 1000 mg (as sodium salt) + 200 mg (as potassium salt) powder for injection	<b>First choice</b>
Oral > Liquid: 125 mg (as trihydrate) + 31.25 mg (as potassium salt) / 5 mL powder for oral liquid; 250 mg (as trihydrate) + 62.5 mg (as potassium salt) / 5 mL powder for oral liquid	Peritoneal abscess (mild-moderate)
Oral > Solid > dispersible tablet: 200 mg (as trihydrate) + 28.5 mg (as potassium salt); 250 mg (as trihydrate) + 62.5 mg (as potassium salt)	Neutropenia (low-risk)
Oral > Solid > tablet: 500 mg (as trihydrate) + 125 mg (as potassium salt); 875 mg (as trihydrate) + 125 mg (as potassium salt)	Other specified pneumonia (Hospital-acquired pneumonia)
Oral > Solid > tablet: 500 mg (as trihydrate) + 125 mg (as potassium salt)	Infectious cystitis
	Chronic obstructive pulmonary disease with acute exacerbation
	Peritonitis (mild-moderate)
	Acute sinusitis
	Bacterial cellulitis, erysipelas or lymphangitis
	Bacterial pneumonia (Community-acquired pneumonia - severe) [children]
	<b>Second choice</b>
	Osteomyelitis or osteitis
	Acute otitis media
	Other specified prophylactic measures
	Bacterial infection of joint
	Bacterial pneumonia (Community-acquired pneumonia - mild to moderate)
	co-prescribed with clarithromycin
	Bacterial pneumonia (Community-acquired pneumonia - severe)
	<b>Other indications</b>
	Bacterial infection of unspecified site

## Ampicillin

Section	Indications
<b>Access group antibiotics</b>	
Parenteral > General injections > unspecified: 500 mg in vial (as sodium salt) powder for injection; 1 g in vial (as sodium salt) powder for injection	<b>First choice</b> co-prescribed with <b>gentamicin</b> <b>Peritoneal abscess (severe)</b>
Oral > Liquid: 125 mg per 5 mL (anhydrous) powder for oral suspension	co-prescribed with <b>gentamicin</b> <b>Sepsis without septic shock</b>
Oral > Solid: 250 mg (anhydrous); 500 mg (anhydrous)	co-prescribed with <b>gentamicin</b> <b>Peritoneal abscess (mild-moderate)</b>
	co-prescribed with <b>gentamicin</b> <b>Peritonitis (severe)</b>
	co-prescribed with <b>gentamicin</b> <b>Acute malnutrition in infants, children or adolescents (complicated) [children]</b>
	co-prescribed with <b>gentamicin</b> <b>Peritonitis (mild-moderate)</b>
	co-prescribed with <b>gentamicin</b> <b>Bacterial pneumonia (Community-acquired pneumonia - severe) [children]</b>
	<b>Second choice</b> <b>Bacterial meningitis</b>
	<b>Other indications</b>
	<b>Bacterial infection of unspecified site</b>

## Benzathine benzylpenicillin

Section	Indications
<b>Access group antibiotics</b>	
Parenteral > General injections > IM: 1.2 million IU in vial ( $\approx$ 900 mg) powder for injection; 2.4 million IU in vial ( $\approx$ 1.8 g) powder for injection	<b>First choice</b> <b>Syphilis</b> <b>Congenital syphilis [children]</b>
	<b>Other indications</b>
	<b>Bacterial infection of unspecified site</b>

## Benzylpenicillin

Section	Indications
<b>Access group antibiotics</b>	
Parenteral > General injections > unspecified: 600 mg in vial powder for injection (=1 million IU as sodium or potassium salt); 3 g in vial powder for injection (=5 million IU as sodium or potassium salt)	<b>First choice</b>  Congenital syphilis [children]  Syphilis  co-prescribed with gentamicin  Sepsis without septic shock  co-prescribed with gentamicin  Acute malnutrition in infants, children or adolescents (complicated) [children]  co-prescribed with gentamicin  Bacterial pneumonia (Community-acquired pneumonia - severe) [children]
Parenteral > General injections > unspecified: 600 mg in vial powder for injection (= 1 million IU as sodium or potassium salt); 3 g in vial powder for injection (= 5 million IU as sodium or potassium salt)	<b>Second choice</b>  Bacterial meningitis
	<b>Other indications</b>  Bacterial infection of unspecified site

## Cefalexin

Section	Indications
<b>Access group antibiotics</b>	
Oral > Liquid: 125 mg per 5 mL (anhydrous) powder for oral liquid; 250 mg per 5 mL (anhydrous) powder for oral liquid	<b>First choice</b>  Bacterial cellulitis, erysipelas or lymphangitis
Oral > Solid: 250 mg (as monohydrate)	<b>Second choice</b>  Acute pharyngitis
Oral > Solid: 250 mg (as monohydrate); 500 mg (as monohydrate)	Chronic obstructive pulmonary disease with acute exacerbation
Oral > Solid > dispersible tablet: 125 mg; 250 mg	<b>Other indications</b>  Bacterial infection of unspecified site

## Cefazolin

Section	Indications
<b>Access group antibiotics</b> Parenteral > General injections > unspecified: 1 g in vial (as sodium salt) powder for injection	<b>First choice</b> <b>Other specified prophylactic measures</b> co-prescribed with metronidazole <b>Other specified prophylactic measures</b>
	<b>Second choice</b> <b>Osteomyelitis or osteitis</b> <b>Bacterial infection of joint</b>
	<b>Other indications</b>
	<b>Surgical site infection</b>

## Chloramphenicol

Section	Indications
<b>Access group antibiotics</b> Parenteral > General injections > IV: 1 g in vial powder for injection (sodium succinate) Parenteral > General injections > IM: 500 mg in 2 mL ampoule oily suspension for injection Oral > Liquid: 150 mg per 5 mL (as palmitate) Oral > Solid: 250 mg capsule	<b>Second choice</b> <b>Bacterial meningitis</b> <b>Other indications</b> <b>Bacterial infection of unspecified site</b>

## Clindamycin

Section	Indications
<b>Access group antibiotics</b> Oral > Liquid: 75 mg per 5 mL (as palmitate hydrochloride) Oral > Solid: 150 mg (as hydrochloride) capsule Parenteral > General injections > unspecified: 150 mg per mL (as phosphate) injection Parenteral > General injections > IV: 150 mg per mL (as phosphate); 600 mg per 4 mL (as phosphate); 900 mg per 6 mL (as phosphate) Oral > Liquid: 75 mg per 5 mL powder for oral liquid (as palmitate hydrochloride) Oral > Solid: 150 mg (as hydrochloride)	<b>First choice</b> co-prescribed with piperacillin + tazobactam <b>Necrotising fasciitis</b> <b>Second choice</b> <b>Osteomyelitis or osteitis</b> <b>Bacterial infection of joint</b> <b>Other indications</b> <b>Bacterial infection of unspecified site</b>

## Cloxacillin

Section	Indications
<p><b>Access group antibiotics</b></p> <p>Oral &gt; Liquid: 125 mg per 5 mL (as sodium salt) powder for oral liquid</p> <p>Oral &gt; Solid: 500 mg (as sodium salt) capsule; 1 g (as sodium salt) capsule</p> <p>Parenteral &gt; General injections &gt; unspecified: 500 mg in vial (as sodium salt) powder for injection</p> <p>Oral &gt; Liquid: 125 mg per 5 mL (as sodium salt) powder for oral liquid; 250 mg per 5 mL (as sodium salt) powder for oral liquid</p> <p>Parenteral &gt; General injections &gt; unspecified: 500 mg in vial (as sodium salt) powder for injection; 250 mg in vial (as sodium salt) powder for injection</p> <p>Oral &gt; Solid &gt; capsule: 500 mg (as sodium salt); 1 g (as sodium salt); 250 mg (as sodium salt)</p>	<p><b>First choice</b></p> <ul style="list-style-type: none"><li>Bacterial infection of joint</li><li>Osteomyelitis or osteitis</li><li>Bacterial cellulitis, erysipelas or lymphangitis</li></ul> <p><b>Second choice</b></p> <ul style="list-style-type: none"><li>co-prescribed with <b>amikacin</b></li><li>Sepsis without septic shock</li></ul> <p><b>Other indications</b></p> <ul style="list-style-type: none"><li>Bacterial infection of unspecified site</li></ul>

## Doxycycline

Section	Indications
<p><b>Access group antibiotics</b></p> <p>Oral &gt; Liquid: 25 mg per 5 mL (anhydrous); 50 mg per 5 mL (anhydrous)</p> <p>Oral &gt; Solid: 100 mg (as hyclate); 50 mg (as hyclate)</p> <p>Parenteral &gt; General injections &gt; unspecified: 100 mg in vial powder for injection</p> <p>Oral &gt; Liquid: 25 mg per 5 mL powder for oral liquid (monohydrate); 50 mg per 5 mL (calcium)</p> <p>Oral &gt; Solid &gt; dispersible tablet: 100 mg (as monohydrate)</p> <p>Oral &gt; Solid &gt; dosage form: 50 mg (as hyclate); 100 mg (as hyclate)</p> <p>Oral &gt; Solid &gt; dosage form: 100 mg (as hyclate)</p>	<p><b>First choice</b></p> <ul style="list-style-type: none"><li>Chlamydia trachomatis</li><li>Cholera</li></ul> <p><b>Second choice</b></p> <ul style="list-style-type: none"><li>Bacterial pneumonia (Community-acquired pneumonia - mild to moderate)</li><li>Chronic obstructive pulmonary disease with acute exacerbation</li><li>Cholera [children]</li></ul> <p><b>Other indications</b></p> <ul style="list-style-type: none"><li>Bacterial infection of unspecified site</li></ul>

# Gentamicin

## Section

Access group antibiotics

Parenteral > General injections > unspecified: 10 mg per mL in 2 mL vial (as sulfate); 40 mg per mL in 2 mL vial (as sulfate)

## Indications

### First choice

Neonatal meningitis

co-prescribed with amoxicillin

Sepsis without septic shock

co-prescribed with amoxicillin

Bacterial pneumonia (Community-acquired pneumonia - severe) [children]

co-prescribed with ampicillin

Bacterial pneumonia (Community-acquired pneumonia - severe) [children]

co-prescribed with ampicillin

Sepsis without septic shock

co-prescribed with ampicillin

Acute malnutrition in infants, children or adolescents (complicated) [children]

co-prescribed with ampicillin

Peritoneal abscess (severe)

co-prescribed with ampicillin

Peritonitis (mild-moderate)

co-prescribed with ampicillin

Peritonitis (severe)

co-prescribed with ampicillin

Peritoneal abscess (mild-moderate)

co-prescribed with benzylpenicillin

Bacterial pneumonia (Community-acquired pneumonia - severe) [children]

co-prescribed with benzylpenicillin

Acute malnutrition in infants, children or adolescents (complicated) [children]

co-prescribed with benzylpenicillin

Sepsis without septic shock

### Second choice

Other specified prophylactic measures

Gonococcal infection

### Other indications

Bacterial infection of unspecified site

## Metronidazole

Section	Indications
<b>Access group antibiotics</b>	
Oral > Liquid: 200 mg per 5 mL (as benzoate)	<b>First choice</b>
Oral > Solid: 200 to 500 mg tablet	<b>Intestinal infections due to Clostridioides difficile</b>
Parenteral > General injections > unspecified: 500 mg per 100 mL in vial Injection	<b>Trichomoniasis</b>
Local > Rectal > Suppository: 500 mg; 1 g	co-prescribed with <b>cefazolin</b>
Parenteral > General injections > unspecified: 500 mg per 100 mL in vial	<b>Other specified prophylactic measures</b>
Oral > Solid > tablet: 200 mg; 250 mg; 400 mg; 500 mg	co-prescribed with <b>cefotaxime</b>
	<b>Peritonitis (severe)</b>
	co-prescribed with <b>cefotaxime</b>
	<b>Peritonitis (mild-moderate)</b>
	co-prescribed with <b>cefotaxime</b>
	<b>Peritoneal abscess (mild-moderate)</b>
	co-prescribed with <b>cefotaxime</b>
	<b>Peritoneal abscess (severe)</b>
	co-prescribed with <b>ceftriaxone</b>
	<b>Necrotising fasciitis</b>
	co-prescribed with <b>ceftriaxone</b>
	<b>Peritonitis (severe)</b>
	co-prescribed with <b>ceftriaxone</b>
	<b>Peritoneal abscess (mild-moderate)</b>
	co-prescribed with <b>ceftriaxone</b>
	<b>Peritoneal abscess (severe)</b>
	co-prescribed with <b>ceftriaxone</b>
	<b>Peritonitis (mild-moderate)</b>
	<b>Second choice</b>
	co-prescribed with <b>ciprofloxacin</b>
	<b>Peritonitis (mild-moderate)</b>
	co-prescribed with <b>ciprofloxacin</b>
	<b>Peritoneal abscess (mild-moderate)</b>
	<b>Other indications</b>
	<b>Bacterial infection of unspecified site</b>

## Nitrofurantoin

Section	Indications
<p>Access group antibiotics</p> <p>Oral &gt; Liquid: 25 mg per 5 mL oral liquid</p> <p>Oral &gt; Solid &gt; dosage form: 100 mg; 50 mg</p>	<p>First choice</p> <p>Infectious cystitis</p>

## Phenoxytmethylpenicillin

Section	Indications
<p>Access group antibiotics</p> <p>Oral &gt; Liquid: 250 mg per 5 mL (as potassium salt) powder for oral liquid</p> <p>Oral &gt; Solid: 250 mg (as potassium salt) tablet</p> <p>Oral &gt; Solid: 250 mg (as potassium salt); 500 mg (as potassium salt)</p>	<p>First choice</p> <p>Acute pharyngitis</p> <p>Periapical abscess without sinus</p> <p>Bacterial pneumonia (Community-acquired pneumonia - mild to moderate)</p> <p>Other indications</p> <p>Bacterial infection of unspecified site</p>

## Procaine benzylpenicillin

Section	Indications
<p>Access group antibiotics</p> <p>Parenteral &gt; General injections &gt; IM: 1 g in vial (=1 million IU) powder for injection; 3 g in vial (=3 million IU) powder for injection</p>	<p>First choice</p> <p>Congenital syphilis [children]</p> <p>Second choice</p> <p>Syphilis</p>

## Spectinomycin

Section	Indications
<p>Access group antibiotics</p> <p>Parenteral &gt; General injections &gt; unspecified: 2 g in vial (as hydrochloride) powder for injection</p>	<p>Second choice</p> <p>Gonococcal infection</p> <p>Other indications</p> <p>Bacterial infection of unspecified site</p>

## Sulfamethoxazole + trimethoprim

Section	Indications
Access group antibiotics	
Parenteral > General injections > IV: 80 mg + 16 mg per mL in 10 mL ampoule; 80 mg + 16 mg per mL in 5 mL ampoule	First choice Infectious cystitis
Oral > Liquid: 200 mg + 40 mg per 5 mL oral liquid	Second choice Infectious gastroenteritis or colitis without specification of infectious agent
Oral > Solid: 100 mg + 20 mg tablet; 400 mg + 80 mg tablet; 800 mg + 160 mg tablet	Other indications
Oral > Solid > dispersible tablet: 100 mg + 20 mg	Bacterial infection of unspecified site

## Tetracycline

Section	Indications
Access group antibiotics	
Oral > Solid: 250 mg (hydrochloride)	Bacterial infection of unspecified site

## Trimethoprim

Section	Indications
Access group antibiotics	
Oral > Liquid: 50 mg per mL	First choice Infectious cystitis
Oral > Solid: 100 mg; 200 mg	