



Summary of antimicrobial prescribing guidance – managing common infections

- See the British National Formulary (BNF) for appropriate use and dosing in specific populations, for example, hepatic impairment, renal impairment, pregnancy and breastfeeding.
- See the TARGET antibiotics toolkit Summary of antimicrobial guidance page for accessible text summaries of the tables and links to full guidance.



Infection	Key points	Medicine	Doses		Length	Visual
IIIIection	Key points	Medicille	Adult	Child	Length	summary
Upper resp	piratory tract infections					
Acute sore throat	Advise paracetamol, or if preferred and suitable, ibuprofen for pain.	First choice: phenoxymethylpenicillin	500mg QDS or 1000mg BD		5 to 10 days*	
NICE	Medicated lozenges may help pain in adults. Use <u>FeverPAIN</u> or <u>Centor</u> to assess symptoms:	Penicillin allergy: clarithromycin OR	250mg to 500mg BD		5 days	
UK Health Security	FeverPAIN 0-1 or Centor 0-2: no antibiotic; FeverPAIN 2-3: no or back-up antibiotic; FeverPAIN 4-5 or Centor 3-4: immediate or back-up antibiotic.	erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	250mg to 500mg QDS or 500mg to 1000mg BD	Bit Descent of all Image: Section of all of a	5 days	The first local product product of the second product of the secon
Agency	Systemically very unwell or high risk of complications: immediate antibiotic.					
Last updated:	*5 days of phenoxymethylpenicillin may be enough for symptomatic cure; but a 10-day course may increase the chance of microbiological cure.					
Feb 2023	For detailed information click the visual summary icon.					

Infection	Key points	Medicine	Doses		Length	Visual
mection		Medicine	Adult	Child	Length	summary
Influenza Last updated: June 2023	For management guidance please refer to UKHS	<u>A guidance on Influenza: treat</u>	ment and prophylaxis	using ant	ti-viral agents.	
Status: Under review						
Acute otitis	Regular paracetamol or ibuprofen for pain (right	First choice: amoxicillin	-		5 to 7 days	
media	dose for age or weight at the right time and maximum doses for severe pain).	Penicillin allergy: clarithromycin OR	-		5 to 7 days	
NICE	Consider ear drops containing an anaesthetic and an analgesic for pain if an immediate antibiotic is not given and there is no ear drum perforation or otorrhoea.	erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	-			Criss meta jacké antiniotálaj procho sec
UK Health Security Agency	Otorrhoea or under 2 years with infection in both ears: no, back-up or immediate antibiotic.	Second choice: co-amoxiclav	-	Control Development of the second sec	5 to 7 days	
Last updated: Mar 2022	Otherwise: no or back-up antibiotic. Systemically very unwell or high risk of complications: immediate antibiotic. For detailed information click on the visual summary.					
Acute otitis				1	1	
externa	For management guidance please refer to NICE/0	Clinical Knowledge Summaries	s: <u>Otitis externa</u>			
Last updated: June 2023						
Status: Under review						

Infontion	Key points	Medicine	Doses	Doses		Visual
Infection			Adult	Child	Length	summary
Scarlet fever (GAS) Last updated: June: 2023 Status: Under review	For management guidance please refer to NICE/0	Clinical Knowledge Summarie	s: <u>Scarlet Fever</u>			
Sinusitis	Advise paracetamol or ibuprofen for pain. Little evidence that nasal saline or nasal	First choice: phenoxymethylpenicillin	500mg QDS		5 days	
NICE	decongestants help, but people may want to try them. Symptoms for 10 days or less: no antibiotic.	Penicillin allergy: doxycycline (not in under 12s) OR	200mg on day 1, then 100mg OD		5 days	
INICL	Symptoms with no improvement for more	clarithromycin OR	500mg BD			Sinusits (scatch antimicrobial prescribing with
UK Health Security	 than 10 days: no antibiotic or back-up antibiotic depending on likelihood of bacterial cause. Consider high-dose nasal corticosteroid (if over 12 years). Systemically very unwell or high risk of complications: immediate antibiotic. For detailed information click on the visual summary. 	erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	250 to 500mg QDS or 500 to 1000mg BD	Max Descent and the second secon		
Agency Last updated: Oct 2017		Second choice or first choice if systemically very unwell or high risk of complications: co-amoxiclay	500/125mg TDS	-	5 days	_
▼ Lower res	piratory tract infections					
COVID-19	Antibiotics should not be used for preventing or tro Do not use azithromycin to treat COVID-19.	eating COVID-19 unless there	e is clinical suspicion o	f addition	al bacterial co-infect	ion.
NICE	Do not use doxycycline to treat COVID-19 in the o	community.				
INICE	Do not offer an antibiotic for preventing secondary	•	le with COVID-19.			
Last updated: December 2021	If a person in the community has suspected or co <u>community-acquired pneumonia</u> for choices.			otic treatr	nent as soon as pos	sible, see
	In hospital, start empirical antibiotics if there is clir <u>pneumonia</u> for choices. Start antibiotics as soon a 4 hours. Start treatment within 1 hour if the person <u>guideline on sepsis</u> .	as possible after establishing	a diagnosis of seconda	ary bacter	ial pneumonia, and	certainly within
	For detailed information, see the <u>NICE guideline on ma</u>	naging COVID-19				

Infontion	Kov points	Medicine	Doses		Longth	Visual
Infection	Key points	weatche	Adult	Child	Length	summary
Acute exacerbation of COPD	 infections so will not respond to antibiotics. Consider an antibiotic, but only after taking into account severity of symptoms (particularly sputum colour changes and increases in volume or thickness), need for hospitalisation, previous exacerbations, hospitalisations and risk of complications, previous sputum culture and susceptibility results, and risk of resistance with repeated courses 	First choice: amoxicillin OR	500mg TDS (see BNF for severe infection)	-	5 days	
NICE		doxycycline OR	200mg on day 1, then 100mg OD (see BNF for severe infection)	-		
		clarithromycin	500mg BD	-		
UK Health		Second choice: use alternative first choice				COPO-Luce successful data in the last state and a stat
Security Agency	Some people at risk of exacerbations may have antibiotics to keep at home as part of their exacerbation action plan.	Alternative choice (if person at higher risk of treatment failure):	500/125mg TDS	-		
	For detailed information click on the visual summary.	co-amoxiclav OR			-	
Last updated:	See also the <u>NICE guideline on COPD in over 16s</u> .	co-trimoxazole OR	960mg BD	-	5 days	
September 2024	September 2024 * See the <u>MHRA January 2024 advice</u> on restrictions and precautions for using fluoroquinolone antibiotics because of the risk of disabling and potentially long-	levofloxacin* (only if other alternative choice antibiotics are unsuitable; with specialist advice)	500mg OD	-		
	lasting or irreversible side effects. Fluoroquinolones must now only be prescribed when other commonly recommended antibiotics are inappropriate.	IV antibiotics (click on visu	al summary)			

Infection	Kov pointo	Madiaina	Doses			Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Acute exacerbation of bronchiectasis	erbationsusceptibility testing.trchiectasiscysticsis)	First choice empirical treatment: amoxicillin (preferred if pregnant) OR	500mg TDS		7 to 14 days	
(non-cystic fibrosis)		doxycycline (not in under 12s) OR	200mg on day 1, then 100mg OD			
		clarithromycin	500mg BD			
NICE UK Health	repeated courses of antibiotics, a previous sputum culture with resistant or atypical bacteria, or a higher risk of developing complications. Course length is based on severity of bronchiectasis, exacerbation history, severity of exacerbation symptoms, previous culture and susceptibility results, and response to treatment.	Alternative choice (if person at higher risk of treatment failure) empirical treatment: co-amoxiclav OR	500/125mg TDS		7 to 14 days	
Security Agency		levofloxacin* (adults only: only if co-amoxiclav is unsuitable; with specialist advice) OR	500mg OD or BD			Reference Reference
Last updated: September 2024	prevent exacerbations. Seek specialist advice for preventing exacerbations in people with repeated acute exacerbations. This may include a trial of	ciprofloxacin* (children only: only if co-amoxiclav is unsuitable; with specialist advice)	-			
	antibiotic prophylaxis after a discussion of the possible benefits and harms, and the need for	IV antibiotics (click on visu				
	regular review.	When current susceptibili				
	For detailed information click on the visual summary.					
	* See the <u>MHRA January 2024 advice</u> on restrictions and precautions for using fluoroquinolone antibiotics because of the risk of disabling and potentially long- lasting or irreversible side effects. Fluoroquinolones must now only be prescribed when other commonly recommended antibiotics are inappropriate.					

Infection	Kou pointo	Medicine	Doses		Longth	Visual
Intection	Key points	weatcine	Adult	Child	Length	summary
Acute cough	Some people may wish to try honey (in over 1s), the herbal medicine pelargonium (in over 12s),	Adults first choice: doxycycline	200mg on day 1, then 100mg OD	-		
NICE	guaifenesin (in over 12s) or cough medicines containing cough suppressants, except codeine, (in over 12s). These self-care treatments have limited evidence for the relief of cough	Adults alternative first choices: amoxicillin (preferred if pregnant) OR	500mg TDS	-		
UK Health	symptoms.	clarithromycin OR	250mg to 500mg BD	-	5 days	
Security Agency	Acute cough with upper respiratory tract infection: no antibiotic.	erythromycin (if macrolide needed in pregnancy;	250mg to 500mg QDS or			
Last updated:	Acute bronchitis: no routine antibiotic. Acute cough and higher risk of	consider benefit/harm)	500mg to 1000mg BD	-		
Feb 2019	complications (at face-to-face examination): immediate or back-up antibiotic.	Children first choice: amoxicillin	-			
	Acute cough and systemically very unwell (at face to face examination): immediate antibiotic.					
	Higher risk of complications includes people with pre-existing comorbidity; young children born	erythromycin OR	-			
	pre-existing comobility, young children born prematurely; people over 65 with 2 or more of, or over 80 with 1 or more of: hospitalisation in previous year, type 1 or 2 diabetes, history of congestive heart failure, current use of oral corticosteroids.	doxycycline (not in under 12s)	-		5 days	
	Do not offer a mucolytic, an oral or inhaled bronchodilator, or an oral or inhaled corticosteroid unless otherwise indicated.					
	For detailed information click on the visual summary.					

Infection	Kowneinte	Madiaina	Doses		L on oth	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Hospital- acquired pneumonia	If symptoms or signs of pneumonia start within 48 hours of hospital admission, see <u>community</u> <u>acquired pneumonia</u> . Offer an antibiotic. Start treatment as soon as	First choice (non-severe and not higher risk of resistance): co-amoxiclav	500/125 mg TDS		5 days then review	
NICE	possible after diagnosis, within 4 hours (within 1 hour if sepsis suspected and person meets any high risk criteria – see the <u>NICE guideline</u> <u>on sepsis</u>).	Adults alternative first choice (non-severe and not higher risk of resistance)	200mg on day 1, then 100mg OD			
UK Health Security Agency	When choosing an antibiotic, take account of severity of symptoms or signs, number of days in hospital before onset of symptoms, risk of	Choice based on specialist microbiological advice and local resistance data		-		
Last updated:	developing complications, local hospital and ward-based antimicrobial resistance data, recent	Options include: doxycycline				
September 2024	antibiotic use and microbiological results, recent contact with a health or social care setting before current admission, and risk of adverse effects with broad spectrum antibiotics.	cefalexin (caution in penicillin allergy)	500 mg BD or TDS (can increase to 1 to 1.5g TDS or QDS)	-	5 days then review	Process of containing and containing
	No validated severity assessment tools are available. Assess severity of symptoms or signs based on clinical judgement.	co-trimoxazole	960mg BD	-		
	Higher risk of resistance includes relevant comorbidity (such as severe lung disease or immunosuppression), recent use of broad spectrum antibiotics, colonisation with multi-drug	levofloxacin* (only if switching from IV levofloxacin with specialist advice)	500mg OD or BD	-	-	
	resistant bacteria, and recent contact with health and social care settings before current admission.	Children alternative first choice (non-severe and not higher risk of	-			
	If symptoms or signs of pneumonia start within days 3 to 5 of hospital admission in people not at higher risk of resistance, consider following community acquired pneumonia for choice of antibiotic.	resistance): clarithromycin Other options may be suitable based on specialist microbiological advice and local			-	
	For detailed information click on the visual summary.	resistance data				

Infection	Key points	Madiaina	Doses			Visual
Infection		Medicine	Adult	Child	Length	summary
	*See the <u>MHRA January 2024 advice</u> on restrictions and precautions for using fluoroquinolone antibiotics because of the risk of disabling and potentially long- lasting or irreversible side effects. Fluoroquinolones must now only be prescribed when other commonly recommended antibiotics are inappropriate.	For first choice IV antibiot antibiotics to be added if s visual summary				
Community- acquired pneumonia	Assess severity in adults based on clinical judgement and guided by a mortality risk score (CRB65 or CURB65) when these scores can be calculated:	First choice (low severity in adults or non-severe in children): amoxicillin	500mg TDS (higher doses can be used, see BNF)			
NICE	low severity – CRB65 0 or CURB65 0 or 1 moderate severity – CRB65 1 or 2 or CURB65 2 high severity – CRB65 3 or 4 or CURB65 3 to	Alternative first choice (low severity in adults or non-severe in children): doxycycline (not in under 12s) OR	200mg on day 1, then 100mg OD		5 days*	
UK Health Security Agency	5. 1 point for each parameter: confusion , (urea >7 mmol/l), respiratory rate ≥30/min, low systolic (<90 mm Hg) or diastolic (≤60 mm Hg)	clarithromycin OR erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	500mg BD 500mg QDS	-		
Last updated: September 2024	 blood pressure, age ≥65. Assess severity in children based on clinical judgement. Offer an antibiotic. Start treatment as soon as possible after diagnosis, within 4 hours (within 	First choice (moderate severity in adults): amoxicillin AND (if atypical pathogens suspected)	500mg TDS (higher doses can be used, see BNF)	-		
	1 hour if sepsis suspected and person meets any high risk criteria – see the <u>NICE guideline</u> on sepsis).	clarithromycin OR erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	500mg BD 500mg QDS	-	5 days*	
	When choosing an antibiotic, take account of severity, risk of complications, local antimicrobial resistance and surveillance data, recent antibiotic use and microbiological results. <i>For detailed information click on the visual summary.</i>	Alternative first choice (moderate severity in adults): doxycycline OR	200mg on day 1, then 100mg OD	-		
	For detailed information click on the visual summary.	clarithromycin	500mg BD	-		

Infection	Kov points	Medicine	Doses		Length	Visual
Intection	Key points	Medicine	Adult	Child	Lengin	summary
	*Stop antibiotics after 5 days unless microbiological results suggest a longer course is needed or the person is not clinically stable. **See the <u>MHRA January 2024 advice</u> on restrictions and precautions for using fluoroquinolone antibiotics because of the risk of disabling and potentially long- lasting or irreversible side effects.	First choice (high severity in adults or severe in children): co-amoxiclav AND (if atypical pathogens suspected) clarithromycin OR erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	500/125mg TDS 500mg BD 500mg QDS		5 days*	
		Alternative antibiotic if high severity, for penicillin allergy: levofloxacin**	500mg BD	-		
		IV antibiotics (click on visua	al summary)			

Infection	Key points	Medicine	Doses		Length	Visual
		weatchie	Adult	Child	Lengin	summary
▼ Urinary tra	act infections					
Lower urinary tract infection	Advise paracetamol or ibuprofen for pain. Non-pregnant women : back up antibiotic (to use if no improvement in 48 hours or symptoms worsen at any time) or immediate antibiotic.	Non-pregnant women first choice: nitrofurantoin (if eGFR ≥45 ml/minute) OR	100mg m/r BD (or if unavailable 50mg QDS)	-	3 days	
NICE	Pregnant women, men, children or young people: immediate antibiotic.	trimethoprim (if low risk of resistance)	200mg BD	-		
UK Health Security	When considering antibiotics, take account of severity of symptoms, risk of complications, previous urine culture and susceptibility results, previous antibiotic use which may have led to	Non-pregnant women second choice: nitrofurantoin (if eGFR ≥45 ml/minute) OR	100mg m/r BD (or if unavailable 50mg QDS)	-	3 days	
Agency	resistant bacteria and local antimicrobial resistance data.	pivmecillinam (a penicillin) OR	400mg initial dose, then 200mg TDS	-	3 days	
Last updated: Oct 2018	If people have symptoms of pyelonephritis (such as fever) or a complicated UTI, see <u>acute</u>	fosfomycin	3g single dose sachet	-	single dose	
Oct 2018	pyelonephritis (upper urinary tract infection) for antibiotic choices. For detailed information click on the visual summary. See also the <u>NICE guideline on urinary tract infection</u> in under 16s: diagnosis and management and the UK	Pregnant women first choice: nitrofurantoin (avoid at term) – if eGFR ≥45 ml/minute	100mg m/r BD (or if unavailable 50mg QDS)	-	7 days	10 and shares shift provides the second states of t
	Health Security Agency <u>urinary tract infection:</u> <u>diagnostic tools for primary care</u> .	Pregnant women second choice : amoxicillin (only if culture results available and susceptible) OR	500mg TDS	-	7 days	
		cefalexin	500mg BD	-		
		Treatment of asymptomatinitrofurantoin (avoid at term) and susceptibility results				
		Men first choice: trimethoprim OR	200mg BD	-		
		nitrofurantoin (if eGFR ≥45 ml/minute)	100mg m/r BD (or if unavailable 50mg QDS)	-	7 days	

Infection	Kov pointo	Medicine	Doses		Longth	Visual	
Infection	Key points	weatche	Adult	Child	Length	summary	
		Men second choice : consider alternative diagnoses basing antibiotic choice on recent culture and susceptibility results					
		Children and young people (3 months and over) first choice: trimethoprim (if low risk of resistance) OR	-				
		nitrofurantoin (if eGFR ≥45 ml/minute)	-				
		Children and young people (3 months and over) second choice: nitrofurantoin (if eGFR ≥45 ml/minute and not used as first choice) OR	-		-		
		amoxicillin (only if culture results available and susceptible) OR	-				
		cefalexin	-				

Infection	Koy points	Madiaina	Doses			Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Acute pyelonephritis (upper urinary tract)	for pain for people over 12. Offer an antibiotic. When prescribing antibiotics, take account of severity of symptoms, risk of complications, previous urine culture and susceptibility results, previous antibiotic use which may have led to resistant bacteria and local antimicrobial resistance data. Avoid antibiotics that don't achieve adequate levels in renal tissue, such as nitrofurantoin.	Non-pregnant women and men first choice: cefalexin OR	500mg BD or TDS (up to 1g to 1.5g TDS or QDS for severe infections)	-	7 to 10 days	
NICE		co-amoxiclav (only if culture results available and susceptible) OR	500/125mg TDS	-	7 to 10 days	-
		trimethoprim (only if culture results available and susceptible) OR	200mg BD	-	14 days	-
UK Health Security Agency	For detailed information click on the visual summary. See also the <u>NICE guideline on urinary tract infection</u> <u>in under 16s: diagnosis and management</u> and the UK Health Security Agency <u>urinary tract infection</u> :	ciprofloxacin* (only if other first-choice antibiotics are unsuitable)	500mg BD	-	7 days	
	diagnostic tools for primary care.	Non-pregnant women and				
Last updated: September 2024	ast updated: *See the MHPA Jonuany 2024 eduice on metrictions	Pregnant women first choice: cefalexin	500mg BD or TDS (up to 1g to 1.5g TDS or QDS for severe infections)	-	7 to 10 days	
	lasting or irreversible side effects. Fluoroquinolones must now only be prescribed when other commonly	Pregnant women second of	choice or IV antibioti	cs (click	on visual summary)	
	recommended antibiotics are inappropriate.	Children and young people (3 months and over) first choice: cefalexin OR	-		-	-
		co-amoxiclav (only if culture results available and susceptible)	-			
		Children and young peopl visual summary)	e (3 months and ove	er) IV anti	biotics (click on	

Infontion	Key points	Medicine	Doses		Longth	Visual
Infection		weatcine	Adult	Child	Length	summary
Acute prostatitis	Advise paracetamol (+/- low-dose weak opioid) for pain, or ibuprofen if preferred and suitable. Offer antibiotic.	First choice (guided by susceptibilities when available): ciprofloxacin* OR	500mg BD	-		
	Review antibiotic treatment after 14 days and either stop antibiotics or continue for a further	ofloxacin* OR	200mg BD	-	-	
NICE UK Health	14 days if needed (based on assessment of history, symptoms, clinical examination, urine and blood tests). For detailed information click on the visual summary	Alternative first choice if fluoroquinolone antibiotic is not appropriate (seek	200mg BD	-	14 days then review	
Security Agency	* See the <u>MHRA January 2024 advice</u> on restrictions and precautions for using fluoroquinolone antibiotics because of the risk of disabling and potentially long- lasting or irreversible side effects.	specialist advice; guided by susceptibilities when available): trimethoprim				
Last updated: September 2024		Second choice (after discussion with specialist): levofloxacin* OR	500mg OD	-	14 days then review	
		co-trimoxazole	960mg BD	-		
		IV antibiotics (click on visu	al summary)			
Recurrent urinary tract infection	First advise about behavioural and personal hygiene measures, and self-care (with D-mannose or cranberry products) to reduce the risk of UTI.	First choice antibiotic prophylaxis: trimethoprim (avoid in pregnancy) OR	200mg single dose when exposed to a trigger or 100mg at night		-	

Infection	Kov points	Medicine	Doses		Length	Visual
infection	Key points	Medicine	Adult	Child	Length	summary
NICE	For postmenopausal women, if no improvement, consider vaginal oestrogen (review within 12 months). For non-pregnant women, if no improvement, consider single-dose antibiotic prophylaxis for	nitrofurantoin (avoid at term) - if eGFR ≥45 ml/minute	100mg single dose when exposed to a trigger or 50 to 100mg at night	March March and March Status Status Status	-	
UK Health Security Agency	exposure to a trigger (review within 6 months). For non-pregnant women (if no improvement or no identifiable trigger) or with specialist advice for pregnant women, men, children or young	Second choice antibiotic prophylaxis: amoxicillin OR	500mg single dose when exposed to a trigger or 250mg at night	Sector Manual Anna Carlos Sector Sector Sector	-	
Last updated Oct 2018	people, consider a trial of daily antibiotic prophylaxis (review within 6 months). For detailed information click on the visual summary. See also the <u>NICE guideline on urinary tract infection</u> <u>in under 16s: diagnosis and management</u> and the UK Health Security Agency <u>urinary tract infection</u> : <u>diagnostic tools for primary care</u> .	cefalexin	500mg single dose when exposed to a trigger or 125mg at night	Image: Control of the second	-	

Infontion	Kov pointo	Madiaina	Doses		Longth	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Catheter- associated urinary tract infection	 asymptomatic bacteriuria in people with a urinary catheter. Consider removing or, if not possible, changing the catheter if it has been in place for more than 7 days. But do not delay antibiotic treatment. Advise paracetamol for pain. Advise drinking enough fluids to avoid dehydration. Offer an antibiotic for a symptomatic infection. When prescribing antibiotics, take account of severity of symptoms, risk of complications, previous urine culture and susceptibility results, previous antibiotic use which may have led to resistant bacteria and local antimicrobial resistance data. Do not routinely offer antibiotic prophylaxis to people with a short-term or long-term catheter. 	Non-pregnant women and men first choice if no upper UTI symptoms: nitrofurantoin (if eGFR ≥45 ml/minute) OR	100mg m/r BD (or if unavailable 50mg QDS)	-	7 40.0	
		trimethoprim (if low risk of resistance) OR	200mg BD	-	7 days	
NICE		amoxicillin (only if culture results available and susceptible)	500mg TDS	-	-	
UK Health Security Agency		Non-pregnant women and men second choice if no upper UTI symptoms: pivmecillinam (a penicillin)	400mg initial dose, then 200mg TDS	-	7 days 7 to 10 days	
Last updated: September 2024		Non-pregnant women and men first choice if upper UTI symptoms: cefalexin OR	500mg BD or TDS (up to 1g to 1.5g TDS or QDS for severe infections)	-		Unitadicate additional quantities of the second sec
	For detailed information click on the visual summary. See also the <u>UK Health Security Agency urinary tract</u> <u>infection: diagnostic tools for primary care</u> . *See the <u>MHRA January 2024 advice</u> for restrictions	co-amoxiclav (only if culture results available and susceptible) OR	500/125mg TDS	-		
	and precautions on using fluoroquinolone antibiotics because of the risk of disabling and potentially long- lasting or irreversible side effects. Fluoroquinolones must now only be prescribed when other commonly	trimethoprim (only if culture results available and susceptible) OR	200mg BD	-	14 days	
	recommended antibiotics are inappropriate.	ciprofloxacin* (only if other first-choice antibiotics are unsuitable)	500mg BD	-	7 days	
		Non-pregnant women and				
		Pregnant women first choice: cefalexin	500mg BD or TDS (up to 1g to 1.5g TDS or QDS for severe infections)	-	7 to 10 days	
		Pregnant women second of	choice or IV antibioti	cs (click	on visual summary)	

Infection	Key points	Medicine	Doses	Doses		Visual
Intection	Key points	weatchie	Adult	Child	Length	summary
		Children and young	-			
		people (3 months and over) first choice:				
		trimethoprim (if low risk of				
		resistance) OR				
		amoxicillin (only if culture	-	Address National Address and Address Scheller In address and Addre	_	
		results available and susceptible) OR		Lines 2 - Constanting 2 - Cons		
		cefalexin OR	-			
		co-amoxiclav (only if	-			
		culture results available and susceptible)				
		Children and young people visual summary)	e (3 months and ove	er) IV antil	biotics (click on	
▼ Meningitis						
Suspected meningococcal disease	For management guidance please refer to Mening	gococcal disease: guidance on	public health manag	ement - G	OV.UK (www.gov.uk)	L
Last updated: June 2023						
Status: Under review						
Prevention of						
secondary case of	For management guidance please refer to Mening	gococcal disease: guidance or	public health manag	ement - G	OV.UK (www.gov.uk)	
meningitis						
_						
Last updated: June 2023						
Status: Under review						

Infection	Key points	Medicine	Doses		Length	Visual
▼ Gastrointe	estinal tract infections		Adult	Child		summary
Oral candidiasis	For management guidance please refer to NICE/	/Clinical Knowledge Summarie	es: <u>Candida oral</u>			
Last updated: June 2023						
Status: Under review	· · ·					
Infectious diarrhoea Last updated: June 2023	For management guidance please refer to NICE/	Clinical Knowledge Summarie	s: <u>Gastroenteritis</u>			
Status: Under review						
Traveller's diarrhoea Last updated: June 2023	For management guidance please refer to NICE/	Clinical Knowledge Summarie	s: <u>Diarrhoea - prever</u>	ntion and ad	vice for travellers	
Status: Under review						
Threadworm Last updated: June 2023 Status: Under	For management guidance please refer to NICE/	Clinical Knowledge Summarie	s: <u>Threadworm</u>			
review						

Infection	Kourseinte	Madiaina	Doses		l on oth	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Clostridioides difficile infection	For suspected or confirmed <i>C. difficile</i> infection, see <u>UK Health Security Agency's guidance on</u> <u>diagnosis and reporting</u> .	First-line for first episode of mild, moderate or severe:	125mg QDS	BNF for children		
NICE	 Assess: whether it is a first or further episode, severity of infection, individual risk factors for complications or recurrence (such as age, frailty or comorbidities). Existing antibiotics: review and stop unless essential. If still essential, consider changing to 	vancomycin Second-line for first episode of mild, moderate or severe if vancomycin ineffective:	200mg BD	BNF for children	-	
UK Health Security Agency Last updated: Jul 2021	one with a lower risk of <i>C. difficile</i> infection. Review the need to continue: proton pump inhibitors, other medicines with gastrointestinal activity or adverse effects (such as laxatives), medicines that may cause problems if people are dehydrated (such as NSAIDs).	fidaxomicin For further episode within 12 weeks of symptom resolution (relapse): fidaxomicin	200mg BD	BNF for children	10 days	
	Do not offer antimotility medicines such as loperamide. Offer an oral antibiotic to treat suspected or confirmed <i>C. difficile</i> infection.	For further episode more than 12 weeks after symptom resolution (recurrence):	125mg QDS	BNF for children		
	confirmed <i>C. difficile</i> infection. For adults, consider seeking prompt specialist advice from a microbiologist or infectious diseases specialist before starting treatment. For children and young people, treatment should be started by, or after advice from, a microbiologist, paediatric infectious diseases specialist or paediatric gastroenterologist. If antibiotics have been started for suspected <i>C. difficile</i> infection, and subsequent stool sample tests do not confirm infection, consider stopping these antibiotics. <i>For detailed information click on the visual summary.</i>	vancomycin OR fidaxomicin For alternative antibiotics ineffective or for life-threa visual summary)				

Infontion	Key points	Medicine	Doses		Longth	Visual
Infection			Adult	Child	Length	summary
Helicobacter pylori	For management guidance please refer to NICE/E	BNF treatment summaries: <u>He</u>	licobacter pylori infec	tion		
Last updated: June 2023						
Status: Under review						
Acute diverticulitis	Acute diverticulitis and systemically well: Consider no antibiotics, offer simple analgesia (for example paracetamol), advise to re-present if symptoms persist or worsen.	First-choice (uncomplicated acute diverticulitis): co-amoxiclav	500/125mg TDS	-		
NICE Last updated: September 2024	Acute diverticulitis and systemically unwell, immunosuppressed or significant comorbidity: offer an antibiotic. Give oral antibiotics if person not referred to hospital for suspected complicated acute diverticulitis. Give IV antibiotics if admitted to hospital with	Penicillin allergy or co-amoxiclav unsuitable: cefalexin (caution in penicillin allergy) AND metronidazole OR	cefalexin: 500mg BD or TDS (up to 1g to 1.5g TDS or QDS for severe infections) metronidazole: 400mg TDS	-	5 days*	
	suspected or confirmed complicated acute diverticulitis (including diverticular abscess). If CT-confirmed uncomplicated acute diverticulitis, review the need for antibiotics.	trimethoprim AND metronidazole OR	trimethoprim: 200mg BD metronidazole: 400mg TDS	-		Church can discuss antibio stability and discuss antibio stability antib
	 For detailed information click on the visual summary. * A longer course may be needed based on clinical assessment. ** See the <u>MHRA January 2024</u> advice for restrictions and precautions on using fluoroquinolone antibiotics 	ciprofloxacin** (only if switching from IV ciprofloxacin with specialist advice) AND metronidazole	ciprofloxacin: 500mg BD metronidazole: 400mg TDS			
	because of the risk of disabling and potentially long- lasting or irreversible side effects. Fluoroquinolones must now only be prescribed when other commonly recommended antibiotics are inappropriate.	For IV antibiotics in comp diverticular abscess) see		culitis (in	cluding	

Infection	Key points	Medicine	Doses		Length	Visual
		medicine	Adult	Child	Length	summary
	act infections					
Epididymitis	For management guidance please refer to the BA	SHH United Kingdom guidelin	e for the manageme	nt of Enididy	mo-orchitis	
Last updated: June 2023	To management guidance please reler to the Dr	Controllited Kingdom guidelin				
Status: Under review						
Chlamydia trachomatis/ urethritis	For management guidance please refer to the BA	ASHH United Kingdom guidelin	ne for the manageme	nt of Chlamy	<u>dia</u>	
Last updated: June 2023						
Status: Under review						
Vaginal candidiasis	For management guidance please refer to the BA	SHH United Kingdom guidelin	ne for the manageme	nt of Vulvova	aginal candidiasis	
Last updated: June 2023						
Status: Under review						
Bacterial vaginosis	For management guidance please refer to the BA	SHH United Kingdom guidelin	ne for the manageme	nt of Bacteria	al vaginosis	
Last updated: June 2023						
Status: Under review						

Infection	Kov points	Key points Medicine Doses			Longth	Visual
Intection	Key points	Wealchie	Adult	Child	Length	summary
Genital herpes			7 - 11		5 I I	
Last updated: June 2023	For management guidance please refer to the BA	SHH United Kingdom <u>guideline</u>	for the manageme	ent of Anogen	<u>Ital nerpes</u>	
Status: Under review						
Gonorrhoea						
Last updated: June 2023	For further management guidance please refer to	the BASHH United Kingdom g	uideline for the mar	nagement of (<u>Gonorrhoea</u>	
Status: Under review						
Trichomoniasis						
Last updated: June 2023	For management guidance please refer to the BAS	SHH United Kingdom <u>guideline</u>	on the manageme	nt of Trichom	ionas vaginalis	
Status: Under review						
Pelvic inflammatory disease	For further management guidance please refer to disease	the BASHH United Kingdom na	ational <u>guideline on</u>	the manager	ment of Pelvic infl	lammatory
Last updated: June 2023						
Status: Under review						
▼ Skin and s	oft tissue infections					
Cold sores						
Last updated: June 2023	For management guidance please refer to NICE/C	Clinical Knowledge Summaries:	Herpes simplex - o	oral		
Status: Under review						

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
PVL-SA Last updated: June 2023	For management guidance please refer to UKHSA	A (PHE) <u>PVL-Staphylococcus</u>	aureus infections: dia	gnosis ar	nd management	
Status: Under review						
Eczema (bacterial	Manage underlying eczema and flares with treatments such as emollients and topical	If not systemically unwell, antibiotic	do not routinely offe	er either	a topical or oral	
infection)	corticosteroids, whether antibiotics are given or not.	Topical antibiotic (if a topi only:	cal is appropriate). F	or locali	sed infections	
NICE	Symptoms and signs of secondary bacterial infection can include: weeping, pustules, crusts, no response to treatment, rapidly worsening eczema, fever and malaise.	First choice: fusidic acid 2%	TDS		5 to 7 days	
	Not all flares are caused by a bacterial infection,	Oral antibiotic:				
UK Health	ealth so will not respond to antibiotics.	First choice: flucloxacillin	500mg QDS			
Security Agency	Eczema is often colonised with bacteria but may	Penicillin allergy or	250mg BD (can be	1		
5 7	ncy not be clinically infected. Do not routinely take a skin swab.	flucloxacillin unsuitable:	increased to			
	Not systemically unwell:	clarithromycin OR	500mg BD for severe infections)		5 to 7 days	
Last updated: Mar 2021	Do not routinely offer either a topical or oral antibiotic.	erythromycin (if macrolide needed in pregnancy;	250mg to 500mg QDS	-		
	If an antibiotic is offered, when choosing	consider benefit/harm)	QDO			
	between a topical or oral antibiotic, take account of patient preferences, extent and severity of symptoms or signs, possible adverse effects, and previous use of topical antibiotics because antimicrobial resistance can develop rapidly with extended or repeated use.					
	Systemically unwell:	If MRSA suspected or con	firmed – consult loca	al microl	piologist	
	Offer an oral antibiotic.					
	If there are symptoms or signs of cellulitis, see <u>cellulitis and erysipelas</u> .					
	For detailed information click on the visual summary.					

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
Impetigo	Localised non-bullous impetigo:	Topical antiseptic:				
	Hydrogen peroxide 1% cream (other topical antiseptics are available but no evidence for	hydrogen peroxide 1%	BD or TDS		5 days*	
	impetigo).	Topical antibiotic:				
NICE	If hydrogen peroxide unsuitable or ineffective, short-course topical antibiotic.	First choice: fusidic acid 2%	TDS	tog station by some		
UK Health	Widespread non-bullous impetigo:	Fusidic acid resistance	TDS	Billion Billion	5 days*	
Security	Short-course topical or oral antibiotic.	suspected or confirmed:				
Agency		mupirocin 2%				Imperigo: antimicrobial prescribing war material
	topical antibiotics because antimicrobial	Oral antibiotic:	500mg QDS	1	I.	
Last updated:	resistance can develop rapidly with extended or repeated use, and local antimicrobial resistance	First choice: flucloxacillin				Balance Image: Second
Feb 2020	data.	Penicillin allergy or flucloxacillin unsuitable:	250mg BD	for y a fill a Marcing status		
	Bullous impetigo, systemically unwell, or high risk of complications:	clarithromycin OR			5 days*	
	Short-course oral antibiotic.	erythromycin (if macrolide	250 to 500mg			
	Do not offer combination treatment with a topical and oral antibiotic to treat impetigo.	needed in pregnancy; consider benefit/harm)	QDS			
	For detailed information click on the visual summary.					
	*5 days is appropriate for most, can be increased to 7 days based on clinical judgement.	If MRSA suspected or con				
Mastitis						
Last updated: June 2023	For management guidance please refer to NICE/C	Clinical Knowledge Summaries	s: <u>Mastitis and breast</u>	<u>abscess</u>		
Status: Under review						
Tick bites (Lyme disease) Last updated: June 2023	For management guidance please refer to <u>NICE N</u>	IG95: Lyme disease				
Status: Under review						

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
Scabies Last updated: June 2023	For management guidance please refer to the BA	SHH United Kingdom nationa	I guideline on the ma	nagement	of Scabies	
Status: Under review						
Insect bites and stings	Most insect bites or stings will not need antibiotics.					
NICE UK Health Security Agency	Do not offer an antibiotic if there are no symptoms or signs of infection. If there are symptoms or signs of infection, see <u>cellulitis and erysipelas</u> . For detailed information click on the visual summary.	-	-	-	-	
Last updated: Sep 2020						
Leg ulcer	Manage any underlying conditions to promote	First-choice:		<u> </u>		
infection	ulcer healing.	flucloxacillin	500mg to 1g QDS	-	7 days	
	Only offer an antibiotic when there are	Penicillin allergy or if fluc		:	1	
NICE	symptoms or signs of infection (such as redness or swelling spreading beyond the ulcer, localised warmth, increased pain or fever). Few leg ulcers are clinically infected but most are colonised by	doxycycline OR	200mg on day 1, then 100mg OD (can be increased to 200mg daily)			
UK Health	bacteria.	clarithromycin OR	500mg BD		7 days	Lop day Median walkerst a propriet NEE 1993
Security Agency	When prescribing antibiotics, take account of severity, risk of complications and previous antibiotic use.	erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	500mg QDS			I water wate
	For detailed information click on the visual summary.	Second choice:				
Last updated: Feb 2020	st updated:	co-amoxiclav OR co-trimoxazole (in penicillin allergy)	500/125mg TDS 960mg BD		7 days	
		For antibiotic choices if s confirmed, click on the vis		RSA suspe	ected or	

Infection	Koy pointo	Medicine	Doses		Longth	Visual	
Infection	Key points	Medicine	Adult	Child	Length	summary	
Cellulitis and	Exclude other causes of skin redness	First choice:					
erysipelas	(inflammatory reactions or non-infectious causes).	flucloxacillin	500mg to 1g QDS	Manager of the second s	5 to 7 days*		
	Consider marking extent of infection with a	Penicillin allergy or if fluc					
	single-use surgical marker pen.	clarithromycin OR	500mg BD				
NICE	Offer an antibiotic. Take account of severity, site of infection, risk of uncommon pathogens, any	erythromycin (if macrolide needed in pregnancy; consider benefit/harm) OR	500mg QDS				
UK Health	microbiological results and MRSA status.	doxycycline (adults only)	200mg on day 1,		5 to 7 days*		
Security	Infection around eyes or nose is more	OR	then 100mg OD	-		Collection and converted on an interactional proceeding HICE consideration	
Agency	concerning because of serious intracranial complications.	co-amoxiclav (children only: not in penicillin	-	Manager of the second s		An and a second	
	Do not routinely offer antibiotics to prevent	allergy)		Anna Anna Anna Anna Anna Anna Anna Anna			
	recurrent cellulitis or erysipelas.	If infection near eyes or ne			•		
Last updated: Sept 2019	For detailed information click on the visual summary. *A longer course (up to 14 days in total) may be	co-amoxiclav	500/125mg TDS	Manager and an analysis of the second	7 days*		
	needed but skin takes time to return to normal, and	If infection near eyes or ne	If infection near eyes or nose (penicillin allergy):				
	full resolution at 5 to 7 days is not expected.	clarithromycin AND	500mg BD	-			
		metronidazole (only add in children if anaerobes	400mg TDS	Manager Para	7 days*		
		suspected)					
		For alternative choice anti confirmed MRSA infection					

Infection	Kov pointo	Madiaina	Doses		Longth	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Diabetic foot	In diabetes, all foot wounds are likely to be	Mild infection: first choice	•			
infection	colonised with bacteria. Diabetic foot infection	flucloxacillin	500mg to 1g QDS	-	7 days*	
	has at least 2 of: local swelling or induration; erythema; local tenderness or pain; local	Mild infection (penicillin a	llergy):	•		
	warmth; purulent discharge.	clarithromycin OR	500mg BD			
NICE	Severity is classified as:	erythromycin (if macrolide	500mg QDS			
	Mild : local infection with 0.5 to less than 2cm erythema	needed in pregnancy; consider benefit/harm) OR		_	7 days*	
UK Health Security Agency	Moderate : local infection with more than 2cm erythema or involving deeper structures (such as abscess, osteomyelitis, septic arthritis or fasciitis)	erythema or involving deeper structures (such as abscess, osteomyelitis, septic arthritis or then 100mg OD (can be increased				
Last updated: Oct 2019	Severe : local infection with signs of a systemic inflammatory response.	For antibiotic choices for moderate or severe infection, infections where <i>Pseudomonas aeruginosa</i> or MRSA is suspected or confirmed, and IV				
	Start antibiotic treatment as soon as possible.	antibiotics click on the vis				
	Take samples for microbiological testing before, or as close as possible to, the start of treatment					
	When choosing an antibiotic, take account of severity, risk of complications, previous microbiological results and antibiotic use, and patient preference.					
	*A longer course (up to a further 7 days) may be needed based on clinical assessment. However, skin does take time to return to normal, and full resolution at 7 days is not expected.					
	Do not offer antibiotics to prevent diabetic foot infection.					
	For detailed information click on the visual summary.					

Infection	Key points	Medicine	Doses		Length	Visual
Intection		Medicine	Adult	Child	Lengin	summary
Acne vulgaris	First-line treatment options : offer a course of 1 of the options, taking account of severity, preferences, and advantages/disadvantages of each option. Completing the course is important because positive effects can take 6 to 8 weeks. Consider topical benzoyl peroxide monotherapy as an alternative if first-line treatment options	First line : fixed combination of topical adapalene with topical benzoyl peroxide (for any acne severity, not in under 9s) OR	0.1% adapalene/ 2.5% benzoyl peroxide OR 0.3% adapalene/2.5% benzoyl peroxide OD (thinly evening)	BNF for children		
Last updated: Jun 2021	are contraindicated, or to avoid topical retinoids or an antibiotic (topical or oral). Do not use : monotherapy with a topical antibiotic, monotherapy with an oral antibiotic, or a combination of a topical antibiotic and an oral	fixed combination of topical tretinoin with topical clindamycin (for any acne severity, not in under 12s) OR	0.025% tretinoin/ 1% clindamycin OD (thinly in the evening)	BNF for children		
	 antibiotic. Review first-line treatment at 12 weeks. Only continue a topical or oral antibiotic for more than 6 months in exceptional circumstances. Review at 3 monthly intervals, and stop the antibiotic as soon as possible. For detailed information see the NICE guideline on 	fixed combination of topical benzoyl peroxide with topical clindamycin (for mild to moderate acne, not in under 12s) OR	3% benzoyl peroxide/1% clindamycin OR 5% benzoyl peroxide/1% clindamycin OD (in the evening)	BNF for children	12 weeks	Not available. See the <u>NICE</u>
	<u>acne vulgaris</u> .	fixed combination of topical adapalene with topical benzoyl peroxide AND either oral lymecycline or oral doxycycline (for moderate to severe acne, not in under 12s) OR	0.1% adapalene/ 2.5% benzoyl peroxide OR 0.3% adapalene/2.5% benzoyl peroxide OD (in the evening) AND lymecycline 408mg OD OR	BNF for children		<u>guideline on</u> <u>acne vulgaris</u> .
			doxycycline 100mg OD	BMF for children		

Infection	Key points	Medicine	Doses		Length	Visual
Incetion		topical azelaic acid AND either oral lymecycline or oral doxycycline (for moderate to severe acne, not in under 12s)	Adult 15% or 20% azelaic acid BD AND lymecycline 408mg OD OR doxycycline 100mg OD	Child BNF for children BNF for children	Length	summary
		Alternative: topical benzoyl peroxide	5% benzoyl peroxide OD to BD	BNF for children		
Dermatophyte infection: skin Last updated: June 2023	For management guidance please refer to NICE/	Clinical Knowledge Summaries	s: <u>Fungal skin infectior</u>	n - body a	nd groin	
Status: Under review						
Dermatophyte infection: nail Last updated: June 2023	For management guidance please refer to NICE/	Clinical Knowledge Summarie	s: Fungal nail infection			
Status: Under review						

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
Human and	Offer an antibiotic for a human or animal bite if	First choice:	Addit	Onna		Summary
animal bites	there are symptoms or signs of infection, such as increased pain, inflammation, fever, discharge or an unpleasant smell. Take a swab for microbiological testing if there is discharge (purulent or non-purulent) from the wound.	co-amoxiclav	250/125mg or 500/125mg TDS		3 days for prophylaxis 5 days for treatment*	
	Do not offer antibiotic prophylaxis if a human or	Penicillin allergy or co-an	noxiclav unsuitable:			-
	animal bite has not broken the skin.	doxycycline AND	200mg on day 1,		2 dove for	
UK Health	Human bite:		then 100mg or 200mg daily	Angel Free days Description Participation Partic	3 days for prophylaxis	
Security Agency	Offer antibiotic prophylaxis if the human bite has broken the skin and drawn blood.	metronidazole	400mg TDS		5 days for treatment*	
	Consider antibiotic prophylaxis if the human bite	seek specialist advice in	pregnancy		liealment	
Last updated:	has broken the skin but not drawn blood if it is in a high-risk area or person at high risk.	IV antibiotics (click on visu	ial summary)			
Nov 2020	Cat bite:					
	Offer antibiotic prophylaxis if the cat bite has broken the skin and drawn blood.					Next relation to activity of produce There is a state of a state
	Consider antibiotic prophylaxis if the cat bite has broken the skin but not drawn blood if the wound could be deep.					
	Dog or other traditional pet bite (excluding cat bite)					
	Do not offer antibiotic prophylaxis if the bite has broken the skin but not drawn blood.					
	Offer antibiotic prophylaxis if the bite has broken the skin and drawn blood if it has caused considerable, deep tissue damage or is visibly contaminated (for example, with dirt or a tooth).					
	Consider antibiotic prophylaxis if the bite has broken the skin and drawn blood if it is in a high- risk area or person at high risk.					
	For detailed information click on the visual summary. *course length can be increased to 7 days (with review) based on clinical assessment of the wound.					

Infontion	Kay pointa	Medicine	Doses	Doses		Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Varicella zoster/ chickenpox	For management guidance please refer to NICE/C Or	linical Knowledge Summaries	- <u>Chickenpox</u>			
Herpes zoster/ shingles Last updated: June 2023	NICE/Clinical Knowledge Summaries - <u>Shingles</u>					
Status: Under review						
Eye infect	ions					
Conjunctivitis Last updated:	For management guidance please refer to NICE/C	linical Knowladga Summarias		octivo		
June 2023	For management guidance please reler to MICE/C	inical Knowledge Summanes.		ective		
Status: Under review						
Blepharitis Last updated: June 2023	For management guidance please refer to NICE/C	linical Knowledge Summaries	: <u>Blepharitis</u>			
Status: Under review						
	I dental infections in primary care (outside d					
care services wit	not designed to be a definitive guide to oral conditior h dental problems should be directed to their regular of how to access emergency dental care.					
	mation on this topic please refer to the: College c crobial Prescribing in Dentistry: Good Practice Guide		Ity of Dental Surger	y (FDS) of th	e Royal College o	f Surgeons of
Abbreviati	ons					
	eGFR, estimated glomerular filtration rate; IM, intram MRSA, methicillin-resistant <i>Staphylococcus aureus</i> s a day.					