



Summary of antimicrobial prescribing guidance – managing common infections

• See BNF for appropriate use and dosing in specific populations, for example, hepatic impairment, renal impairment, pregnancy and breastfeeding.

Key: Click to access doses for children

Click to access NICE's printable visual summary

Jump to section on:

Upper RTI

Lower RTI

UTI

Meningitis

GI

Genital

Skin

Eye

Dental

Infection	Key points	Medicine	Doses	Doses		Visual
IIIIection	Rey points	Medicine	Adult	Child	Length	summary
▼ Upper res	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 2-3: no or back-up antibiotic; FeverPAIN 4-5 or Centor 3-4: immediate or back-up antibiotic.	FeverPAIN 2-3: no or back-up antibiotic; FeverPAIN 4-5 or Centor 3-4: immediate or back-up antibiotic. FeverPAIN 4-5 or Centor 3-4: immediate or back-up antibiotic.	250mg to 500mg QDS or 500mg to 1000mg BD	The second secon	5 days	have threat broady contained proceding was
Agency	Systemically very unwell or high risk of complications: immediate antibiotic.			in the design of the second of		The principal of the control of the
Last updated: Feb 2023	*5 days of phenoxymethylpenicillin may be enough for symptomatic cure; but a 10-day course may increase the chance of microbiological cure.					
	For detailed information click the visual summary icon.					

Infection	Key points	Medicine	Doses		Length	Visual
IIIIection	Rey points	Ivieurcine	Adult	Child	Lengin	summary
Influenza Last updated: June 2023	For management guidance please refer to UKHS/	A guidance on Influenza: treat	ment and prophylaxis	s using ant	i-viral agents.	
Status: Under review						_
Acute otitis		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)	-			Cobs and build patiential processing war
UK Health Security Agency	Otorrhoea or under 2 years with infection in both ears: no, back-up or immediate antibiotic. Otherwise: no or back-up antibiotic.	Second choice: co- amoxiclav	-	Section Action Action Conference on Conferen	5 to 7 days	
Last updated: Mar 2022	Systemically very unwell or high risk of complications: immediate antibiotic. For detailed information click on the visual summary.					
Acute otitis externa	For management guidance please refer to NICE/0	Clinical Knowledge Summaries	s: Otitis externa	•		
Last updated: June 2023						
Status: Under review						

Infection	Key points	Medicine	Doses		Longth	Visual			
intection			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	evidence that nasal saline or nasal decongestants help, but people may want to try them. Symptoms for 10 days or less: no antibiotic. Symptoms with no improvement for more 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.	First choice: phenoxymethylpenicillin	500mg QDS		5 days				
NICE		Penicillin allergy: doxycycline (not in under 12s) OR	200mg on day 1, then 100mg OD						
MICE		clarithromycin OR	500mg BD		5 days	Simulitis (acuto): antimicrobial prescribing NKX			
UK Health Security		erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	250 to 500mg QDS or 500 to 1000mg BD	The second secon	·				
Agency Last updated: Oct 2017		Second choice or first choice if systemically very unwell or high risk of complications: co-amoxiclav	500/125mg TDS		5 days				
▼ Lower res	piratory tract infections								
COVID-19	Antibiotics should not be used for preventing or tr Do not use azithromycin to treat COVID-19.	•	e is clinical suspicion o	f addition	al bacterial co-infect	ion.			
NICE	Do not use doxycycline to treat COVID-19 in the	•							
	Do not offer an antibiotic for preventing secondary	•							
Last updated: December 2021	community-acquired pneumonia for choices.	If a person in the community has suspected or confirmed secondary bacterial pneumonia, start antibiotic treatment as soon as possible, see community-acquired pneumonia for choices.							
	In hospital, start empirical antibiotics if there is clippeumonia for choices. Start antibiotics as soon a 4 hours. Start treatment within 1 hour if the person guideline on sepsis.	as possible after establishing a	a diagnosis of seconda	ary bacter	rial pneumonia, and	certainly within			
	For detailed information, see the NICE guideline on ma	naging COVID-19.							

Infection	Key points	Medicine	Doses	Doses		Visual
Intection	Rey points	Medicine	Adult	Child	Length	summary
Acute exacerbation of COPD	rbation PD 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	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	repeated courses.	Second choice: use altern	COPO-Auto-mandadada e diniso da pros. Diag. NEE CEPTES			
Security Agency	Some people at risk of exacerbations may have antibiotics to keep at home as part of their exacerbation action plan. For detailed information click on the visual summary.	Alternative choice (if person at higher risk of treatment failure): co-amoxiclav OR	500/125mg TDS	-		100 100
	See also the NICE guideline on COPD in over 16s.	co-trimoxazole OR	960mg BD	-		
Last updated: Dec 2018	levofloxacin (with specialist advice if co- amoxiclav or co- trimoxazole cannot be used; consider safety issues)	500mg OD	-	5 days		
		IV antibiotics (click on vise	ual summary)	•	,	

Infection	Key points	Medicine	Doses		Longth	Visual
intection		Wedicine	Adult	Child	Length	summary
Acute exacerbation of bronchiectasis	susceptibility testing. Offer an antibiotic. When choosing an antibiotic take account of	First choice empirical treatment: amoxicillin (preferred if pregnant) OR	500mg TDS		7 to 14 days	
(non-cystic fibrosis) When choosing an antibiotic, take account of severity of symptoms and risk of treatment failure. People who may be at higher risk of	doxycycline (not in under 12s) OR	200mg on day 1, then 100mg OD		, to it days		
	Treatment failure include people who've had 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. Do not routinely offer antibiotic prophylaxis to prevent exacerbations. Last updated: Dec 2018 Last updated: Dec 2018 Seek specialist advice for preventing exacerbations in people with repeated acute exacerbations. This may include a trial of antibiotic prophylaxis after a discussion of the possible benefits and harms, and the need for	clarithromycin	500mg BD			The state of the s
		Alternative choice (if person at higher risk of treatment failure) empirical treatment: co-amoxiclay OR	500/125mg TDS	The second secon	7 to 14 days	
Security Agency		levofloxacin (adults only: with specialist advice if co-amoxiclav cannot be used; consider safety issues) OR	500mg OD or BD			
Last updated: Dec 2018		ciprofloxacin (children only: with specialist advice if co-amoxiclav cannot be used; consider safety issues)	-			
	regular review.	IV antibiotics (click on visu				
	For detailed information click on the visual summary.	When current susceptibili				

Infection	Key points	Medicine	Doses		Longth	Visual
Intection		Wedicine	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 symptoms. Acute cough with upper respiratory tract infection: no antibiotic.	Adults alternative first choices: amoxicillin (preferred if pregnant) OR	500mg TDS	-	E dava	
UK Health		clarithromycin OR	250mg to 500mg BD	_	5 days	
Security Agency		erythromycin (if macrolide needed in pregnancy;	250mg to 500mg QDS or		-	
	Acute bronchitis: no routine antibiotic.	1 3 3 3,	500mg to 1000mg	-		
Last updated:	Acute cough and higher risk of	,	BD			Cough placed unthrinceded greating
Feb 2019		Children first choice: amoxicillin	-			
	Acute cough and systemically very unwell (at face to face examination): immediate antibiotic.	Children alternative first choices: clarithromycin OR	-			
	Higher risk of complications includes people with	erythromycin OR		-		
	pre-existing comorbidity; young children born	doxycycline (not in under				The second secon
	prematurely; people over 65 with 2 or more of, or over 80 with 1 or more of: hospitalisation in	12s)		TANK BASI OF STATE OF		
previous year, type 1 or 2 diabe	previous year, type 1 or 2 diabetes, history of congestive heart failure, current use of oral	,		Water Section 2 to 10 to	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	Key points	Medicine	Doses		Length	Visual
	• •		Adult	Child	Longin	summary
Hospital- acquired pneumonia	If symptoms or signs of pneumonia start within 48 hours of hospital admission, see community acquired pneumonia. 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	
UK Health Security Agency	possible after diagnosis, within 4 hours (within 1 hour if sepsis suspected and person meets any high risk criteria – see the NICE guideline on sepsis). When choosing an antibiotic, take account of severity of symptoms or signs, number of days in hourists before a part of symptoms risk of	Adults alternative first choice (non-severe and not higher risk of resistance) Choice based on specialist microbiological advice and	200mg on day 1, then 100mg OD	-		
Last updated:	in hospital before onset of symptoms, risk of developing complications, local hospital and ward-based antimicrobial resistance data, recent antibiotic use and microbiological results, recent	local resistance data Options include: doxycycline			C days then	
Sept 2019	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	Processing Section of Australian Special ACC 2000000-
	No validated severity assessment tools are available. Assess severity of symptoms or signs	co-trimoxazole	960mg BD	-	-	Management of the control of the con
	based on clinical judgement. 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; consider safety issues)	500mg OD or BD	-		Control of the contro
	resistant bacteria, and recent contact with health and social care settings before current admission. 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. For detailed information click on the visual summary.	Children alternative first choice (non-severe and not higher risk of resistance): clarithromycin Other options may be suitable based on specialist microbiological advice and local resistance data	-	rick of r	- esistance) and	
		For first choice IV antibiot antibiotics to be added if suisual summary				

Infection	Key points	Medicine	Doses Adult	Child	Length	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 UK Health Security	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 5. 1 point for each parameter: confusion, (urea >7 mmol/l), respiratory rate ≥30/min, low	Alternative first choice (low severity in adults or non-severe in children): doxycycline (not in under 12s) OR clarithromycin OR erythromycin (if macrolide needed in pregnancy;	200mg on day 1, then 100mg OD 500mg BD 500mg QDS		5 days*	
Agency Last updated: Sept 2019	systolic (<90 mm Hg) or diastolic (≤60 mm Hg) 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 1 hour if sepsis suspected and person meets any high risk criteria – see the NICE guideline on sepsis). When choosing an antibiotic, take account of severity, risk of complications, local antimicrobial resistance and surveillance data, recent antibiotic use and microbiological results. * Stop antibiotics after 5 days unless	consider benefit/harm) First choice (moderate severity in adults): amoxicillin AND (if atypical pathogens suspected) clarithromycin OR erythromycin (if macrolide needed in pregnancy; consider benefit/harm) Alternative first choice (moderate severity in adults): doxycycline OR clarithromycin	500mg TDS (higher doses can be used, see BNF) 500mg BD 500mg QDS 200mg on day 1, then 100mg OD	-	5 days*	Pour les contraits regards (1970 of 2 printing and
	microbiological results suggest a longer course is needed or the person is not clinically stable. For detailed information click on the visual summary.	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*	

Infection	Key points	Medicine	Doses		Length	Visual
IIIICCLIOII	ricy points		Adult	Child	Longai	summary
		Alternative first choice (high severity in adults): levofloxacin (consider	500mg BD	-		
		safety issues)				
		IV antibiotics (click on visu	al summary)			
Urinary tra	act infections					
Lower urinary	Advise paracetamol or ibuprofen for pain.	Non-pregnant women	100mg m/r BD (or			
tract infection	Non-pregnant women: back up antibiotic (to use if no improvement in 48 hours or symptoms worsen at any time) or immediate antibiotic.	first choice: nitrofurantoin (if eGFR ≥45 ml/minute) 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	IIII Bowel authorized journaling McCaravana
Ott 2016	 <u>pyelonephritis</u> (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	
	Health Security Agency <u>urinary tract infection:</u> diagnostic tools for primary care.	Pregnant women second choice: amoxicillin (only if culture results available and susceptible) OR	500mg TDS	-	7 days	
		cefalexin	500mg BD	-		
		Treatment of asymptomat nitrofurantoin (avoid at term and susceptibility results				

Infection	Key points	Medicine	Doses		Length	Visual
IIIIection	Rey points	Wiedicifie	Adult	Child	Lengin	summary
		Men first choice: trimethoprim OR	200mg BD	-		
		nitrofurantoin (if eGFR ≥45 ml/minute)	100mg m/r BD (or if unavailable 50mg QDS)	_	7 days	
		Men second choice: consider on recent culture and susce		ses basin	g antibiotic choice	
		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	Key points	Medicine	Doses		Length	Visual
intection	key points	Wedicine	Adult	Child	Lengin	summary
Acute pyelonephritis (upper urinary tract)	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> in under 16s: diagnosis and management and the UK	ciprofloxacin (consider safety issues)	500mg BD	_	7 days	Opelousphilis (units) artisticated precising Net com-
, igoey	Health Security Agency urinary tract infection:	Non-pregnant women and	The state of the s			
Last updated: Oct 2018	diagnostic tools for primary care.	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	100 m
		Pregnant women second	choice or IV antibioti	cs (click	on visual summary)	
		Children and young people (3 months and over) first choice: cefalexin OR	-	The second of th	-	
		co-amoxiclav (only if culture results available and susceptible)	-	The second secon		
		Children and young peopl visual summary)	e (3 months and ove	r) IV anti	biotics (click on	

Infection	Voy points	Madiaina	Doses		Longth	Visual
intection	Key points	Medicine	Adult	Child	Length	summary
Acute prostatitis	or pain, or ibuprofen if preferred and suitable. Softer antibiotic.	First choice (guided by susceptibilities when available): ciprofloxacin (consider safety issues) OR	500mg BD	-	- 14 days then	
NICE	14 days if needed (based on assessment of history, symptoms, clinical examination, urine	ofloxacin (consider safety issues) OR	200mg BD	-	review	
UK Health Security Agency	and blood tests). For detailed information click on the visual summary Significant of the visual summary of the significant of the visual summary of the visual summary of the significant of the visual summary of the vi	trimethoprim (if fluoroquinolone not appropriate; seek specialist advice)	200mg BD	-		Promotes bound withstrability receiving. MCCOPPO .
Last updated: Oct 2018		Second choice (after discussion with specialist): levofloxacin (consider safety issues) OR	500mg OD	-	14 days then review	Section 1
OCI 2016		co-trimoxazole	960mg BD	-	-	
		IV antibiotics (click on visual summary)			1	
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	The second secon	-	
NICE UK Health	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	The second secon	-	Ul increase aminoida provina no casa-
Security Agency Last updated Oct	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	The second secon	-	
2018	people, consider a trial of daily antibiotic prophylaxis (review within 6 months). For detailed information click on the visual summary. See also the NICE guideline on urinary tract infection in under 16s: diagnosis and management and the UK Health Security Agency urinary tract infection: diagnostic tools for primary care.	cefalexin	500mg single dose when exposed to a trigger or 125mg at night		-	

Infaction	Key points	Madiaina	Doses		Longth	Visual
Infection		Medicine	Adult	Child	Length	summary
Catheter- associated urinary tract infection	Antibiotic treatment is not routinely needed for 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	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 days	
	7 days. But do not delay antibiotic treatment. Advise paracetamol for pain.	trimethoprim (if low risk of resistance) OR	200mg BD	-		
NICE	dvise drinking enough fluids to avoid ehydration.	amoxicillin (only if culture results available and susceptible)	500mg TDS	-		
UK Health Security Agency	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	Non-pregnant women and men second choice if no upper UTI symptoms: pivmecillinam (a penicillin)	400mg initial dose, then 200mg TDS	-	7 days	
Last updated: Nov 2018	resistance data. Do not routinely offer antibiotic prophylaxis to people with a short-term or long-term catheter. For detailed information click on the visual summary.	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)	-	7 to 10 days	The second secon
	See also the <u>UK Health Security Agency urinary tract</u> infection: diagnostic tools for primary care.	co-amoxiclav (only if culture results available and susceptible) OR	500/125mg TDS	-		
		trimethoprim (only if culture results available and susceptible) OR	200mg BD	-	14 days	
		ciprofloxacin (consider safety issues)	500mg BD	-	7 days	
		Non-pregnant women and	men IV antibiotics ((click on v	isual summary)	
		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 antibiot	ics (click	on visual summary)	

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
		Children and young people (3 months and over) first choice: trimethoprim (if low risk of resistance) OR	- Addit	Cillia		Summary
		amoxicillin (only if culture results available and susceptible) OR	-	The second secon	-	
		cefalexin OR	-			
		co-amoxiclav (only if culture results available and susceptible)	-			
		Children and young people visual summary)	e (3 months and ove	er) IV anti	biotics (click on	
▼ Meningitis						
Suspected meningococcal disease	For management guidance please refer to Mening	gococcal disease: guidance or	ı public health manag	ement - G	GOV.UK (www.gov.uk)	L
Last updated: June 2023						
Status: Under review						
Prevention of secondary case of meningitis	For management guidance please refer to Mening	gococcal disease: guidance or	public health manag	ement - G	GOV.UK (www.gov.uk)	
Last updated: June 2023						
Status: Under review						

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
▼ Gastrointe	stinal tract infections					
Oral candidiasis	For management guidance please refer to NICE/0	Clinical Knowledge Summaries	s: <u>Candida oral</u>			
Last updated: June 2023						
Status: Under review						
Infectious diarrhoea Last updated: June 2023	For management guidance please refer to NICE/0	Clinical Knowledge Summaries	s: Gastroenteritis			
Status: Under review						
Traveller's diarrhoea Last updated: June 2023	For management guidance please refer to NICE/0	Clinical Knowledge Summaries	s: <u>Diarrhoea - preventi</u>	on and ad	lvice for travellers	
Status: Under review						
Threadworm Last updated: June 2023	For management guidance please refer to NICE/0	Clinical Knowledge Summaries	s: <u>Threadworm</u>			
Status: Under review						

Infection	Key points	Medicine	Dose	S	Length	Visual
mection	ney points	Wiedicine	Adult	Child	Lengin	summary
Clostridioides difficile infection	For suspected or confirmed <i>C. difficile</i> infection, see <u>UK Health Security Agency's guidance on diagnosis and reporting</u> . Assess : whether it is a first or further episode,	First-line for first episode of mild, moderate or severe: vancomycin	125mg QDS	BMF for children		
NICE	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	Second-line for first episode of mild, moderate or severe if vancomycin ineffective: fidaxomicin	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).	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): vancomycin OR	125mg QDS	BMF for children		The dash of the same of the sa
	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. For detailed information click on the visual summary.	fidaxomicin For alternative antibiotics ineffective or for life-threa visual summary)			antibiotics are	

Infection	Key points	Medicine	Doses	Doses		Visual
mection	Key points	Medicine	Adult	Child	Length	summary
Helicobacter pylori	For management guidance please refer to NICE/I	BNF treatment summaries: <u>He</u>	elicobacter pylori infec	<u>ction</u>		
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: Nov 2019	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	-		Directorise disease artificial proceeding with the processing with
	* A longer course may be needed based on clinical assessment.	ciprofloxacin (only if switching from IV ciprofloxacin with specialist advice; consider safety issues) AND metronidazole	ciprofloxacin: 500mg BD metronidazole: 400mg TDS			The state of the s
		For IV antibiotics in comp diverticular abscess) see		culitis (in	cluding	

Infection	Key noints	Key points Medicine Doses Length				Visual
		Medionic	Adult	Child		summary
	act infections					
Epididymitis	For management guidance please refer to the BA	CUU I Inited Kingdom quideli	no for the managemen	nt of opididu	mo orobitio	
Last updated: June 2023	For management guidance please refer to the BA	Si ii i Officea Kingaom <u>galaeii</u>	ne for the manageme	nt or epididy	mo-orchius	
Status: Under review						
Chlamydia trachomatis/ urethritis	For management guidance please refer to the BA	SHH United Kingdom guideli	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 guideli	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 guideli	ne for the manageme	nt of bacteri	al vaginosis	
Last updated: June 2023						
Status: Under review						

Infection	Key points	Medicine	Doses Adult Chi	Length	Visual summary				
Genital herpes Last updated: June 2023	For management guidance please refer to the BASHH United Kingdom guideline for the management of anogenital herpes								
Status: Under review									
Gonorrhoea Last updated: June 2023	For further management guidance please refer to	the BASHH United Kingdom (guideline for the manageme	nt of Gonorrhoea					
Status: Under review									
Trichomoniasis Last updated: June 2023	For management guidance please refer to the BA	SHH United Kingdom <u>guidelin</u>	e on the management of Tr	chomonas vaginalis					
Status: Under review									
Pelvic inflammatory disease	For further management guidance please refer to disease	the BASHH United Kingdom r	national guideline on the ma	nagement of pelvic infl	<u>ammatory</u>				
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/0	Clinical Knowledge Summaries	:: <u>Herpes simplex - oral</u>						
Status: Under review									

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
PVL-SA Last updated: June 2023 Status: Under	For management guidance please refer to UKHSA	A (PHE) <u>PVL-Staphylococcus</u>			nd management	Summary
Eczema (bacterial infection)	Manage underlying eczema and flares with treatments such as emollients and topical corticosteroids, whether antibiotics are given or not. Symptoms and signs of secondary bacterial	If not systemically unwell, antibiotic Topical antibiotic (if a topionly: First choice:	_		-	
NICE	infection can include: weeping, pustules, crusts, no response to treatment, rapidly worsening eczema, fever and malaise. Not all flares are caused by a bacterial infection, so will not respond to antibiotics. Eczema is often colonised with bacteria but may not be clinically infected. Do not routinely take a skin swab. Not systemically unwell:	ction can include: weeping, pustules, crusts, response to treatment, rapidly worsening	The second secon	5 to 7 days		
UK Health Security Agency		First choice: flucloxacillin Penicillin allergy or	500mg QDS 250mg BD (can be		5 to 7 days	
Last updated:		flucloxacillin unsuitable: clarithromycin OR	increased to 500mg BD for severe infections)			
Mar 2021	Do not routinely offer either a topical or oral antibiotic. If an antibiotic is offered, when choosing	erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	250mg to 500mg QDS			
	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: Offer an oral antibiotic. If there are symptoms or signs of cellulitis, see cellulitis and erysipelas. For detailed information click on the visual summary.	If MRSA suspected or con				

Infection	Key points	Medicine	Doses	5	Length	Visual
			Adult	Child	Lengui	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*	
NUCE	impetigo).	Topical antibiotic:				
NICE	If hydrogen peroxide unsuitable or ineffective, short-course topical antibiotic.	First choice: fusidic acid 2%	TDS	Saving information and a second		
UK Health	Widespread non-bullous impetigo:	Fusidic acid resistance	TDS		5 days*	
Security	Short-course topical or oral antibiotic.	suspected or confirmed:		Distriction of the second		
Agency	Take account of person's preferences,	mupirocin 2%				
	practicalities of administration, previous use of topical antibiotics because antimicrobial	Oral antibiotic:				Impetige antimiorability prescribing Accommendation Accommen
Last updated:	sistance can develop rapidly with extended or beated use, and local antimicrobial resistance	First choice: flucloxacillin	500mg QDS			The state of the s
Feb 2020	data.	Penicillin allergy or	250mg BD			
	Bullous impetigo, systemically unwell, or high risk of complications:	flucloxacillin unsuitable: clarithromycin OR		Section of the control of the contro	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			
	*5 days is appropriate for most, can be					
	increased to 7 days based on clinical judgement.	If MRSA suspected or con	confirmed – consult local microbiologist			
	For detailed information click on the visual summary.					
Mastitis						
Last updated: June 2023	For management guidance please refer to NICE/C	Clinical Knowledge Summaries	s: Mastitis and brea	ast abscess		
Status: Under review						
Tick bites						
(Lyme						
disease) Last updated:	For management guidance please refer to NICE N	IG95: Lvme disease				
June 2023	<u> </u>	<u> </u>				
Status: Under review						

Infection	Key points	Medicine	Doses		Length	Visual
	Key points	Medicine	Adult	Child	Length	summary
Scabies						
Last updated: June 2023	For management guidance please refer to the BA	SHH United Kingdom nationa	Il guideline on the ma	<u>nagement</u>	of Scabies	
Status: Under review						
Insect bites and stings	Most insect bites or stings will not need antibiotics.					
NICE	Do not offer an antibiotic if there are no symptoms or signs of infection.					Note that the second state of the second state
UK Health Security Agency	If there are symptoms or signs of infection, see cellulitis and erysipelas.	-	-	-	-	The second secon
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		:		
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 Security Agency	bacteria. When prescribing antibiotics, take account of severity, risk of complications and previous	clarithromycin OR erythromycin (if macrolide needed in pregnancy;	500mg BD 500mg QDS		7 days	To grant the control of the control
	antibiotic use.	consider benefit/harm) Second choice:				Commentation of the Commen
	For detailed information click on the visual	co-amoxiclav OR	500/125mg TDS			
Last updated: Feb 2020	summary.	co-trimoxazole (in penicillin allergy)	960mg BD	-	7 days	
		For antibiotic choices if s confirmed, click on the vi		RSA suspe	ected or	

Infection	Key points	Medicine	Doses		Length	Visual
IIIIection	Rey points	modifie	Adult	Child	Lengui	summary
Cellulitis and	Exclude other causes of skin redness	First choice:				
erysipelas	(inflammatory reactions or non-infectious causes).	flucloxacillin	500mg to 1g QDS		5 to 7 days*	
	Consider marking extent of infection with a	Penicillin allergy or if fluc	loxacillin unsuitable:	:		
	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	The second secon		
UK Health Security	microbiological results and MRSA status. Infection around eyes or nose is more	doxycycline (adults only) OR	200mg on day 1, then 100mg OD	-	5 to 7 days*	Odd by allow after a title odd provide NICC co.co
Agency	concerning because of serious intracranial complications.	co-amoxiclav (children only: not in penicillin	-			Control of the contro
	*A longer course (up to 14 days in total) may be	allergy)		Mary Delia.		The state of the s
	needed but skin takes time to return to normal,	If infection near eyes or ne	ose:			
Last updated: Sept 2019	and full resolution at 5 to 7 days is not expected. Do not routinely offer antibiotics to prevent	co-amoxiclav	500/125mg TDS		7 days*	
	recurrent cellulitis or erysipelas.	If infection near eyes or nose (penicillin allergy):				
	For detailed information click on the visual	clarithromycin AND	500mg BD			
	summary.	metronidazole (only add in children if anaerobes	400mg TDS		7 days*	
		suspected)				
	For alternative choice antibiotics for severe infection, suspected or confirmed MRSA infection and IV antibiotics click on the visual summar					

Infection	Kov points	Medicine	Doses		Length	Visual
mection	Key points	Wiedicine	Adult	Child	Lengin	summary
Diabetic foot	In diabetes, all foot wounds are likely to be	Mild infection: first choice				
infection	colonised with bacteria. Diabetic foot infection	I HUGOXAGIIIII — I JOOHIU LO TU QDO I - I			7 days*	
	has at least 2 of: local swelling or induration; erythema; local tenderness or pain; local	Mild infection (penicillin a				
	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)	doxycycline	200mg on day 1, then 100mg OD (can be increased to 200mg daily)		r days	
Last updated: Oct 2019	Severe : local infection with signs of a systemic inflammatory response.	For antibiotic choices for Pseudomonas aeruginosa		Code() Not hereby previous depressible NCC Shrinks. 1 ***********************************		
	Start antibiotic treatment as soon as possible.	antibiotics click on the vis	sual summary			The state of the s
	Take samples for microbiological testing before, or as close as possible to, the start of treatment					The state of the s
	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
IIIIection	Rey points	Wedicitie	Adult	Child	Lengui	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)	BMF 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)	BMF 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)	BMF for children	12 weeks	Not available. See the <u>NICE</u> guideline on acne vulgaris.
	acne vulgaris.	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	BNF for children		do to raigano.
			OD OR doxycycline 100mg OD	BNS for children		

Infection	Koy points	Medicine	Doses		Longth	Visual
intection	Key points	Wiedicine	Adult	Child	Length	summary
		topical azelaic acid AND	15% or 20%			
		either oral lymecycline or	azelaic acid BD	BNF for children		
		oral doxycycline (for moderate to severe acne,	AND			
		not in under 12s)	lymecycline 408mg			
		,	OD	evie		
			OR	BNF for children		
			doxycycline 100mg OD			
		Alternative: topical benzoyl peroxide	5% benzoyl peroxide OD to BD	BNF for children		
Dermatophyte infection: skin	For management guidance please refer to NICE/0	Clinical Knowledge Summeries	e: Eungal akin infaction	hody s	and grain	
	For management guidance please refer to NICE/C	Similcan Knowledge Summanes	s. <u>Fungai Skin intectioi</u>	1 - DOUY 2	<u>ina groin</u>	
Last updated: June 2023						
Status: Under review						
Dermatophyte infection: nail	For management guidance please refer to NICE/Clinical Knowledge Summaries: Fungal nail infection					
Leature data di						
Last updated: June 2023						
Status: Under review						

Infection	Key points	Medicine	Doses		Length	Visual
	• •		Adult	Child	Lengui	summary
Human and	Offer an antibiotic for a human or animal bite if	First choice:				
animal bites	there are symptoms or signs of infection, such	co-amoxiclav	250/125mg or	Baypo dina rajaya - #8000	3 days for	
	as increased pain, inflammation, fever, discharge or an unpleasant smell. Take a swab		500/125mg TDS	The removal	prophylaxis	
NICE	for microbiological testing if there is discharge				5 days for	
	(purulent or non-purulent) from the wound.				treatment*	
	Do not offer antibiotic prophylaxis if a human or	Penicillin allergy or co-am				
	animal bite has not broken the skin.	doxycycline AND	200mg on day 1,		3 days for	
UK Health	Human bite:		then 100mg or 200mg daily	Response to the property of th	prophylaxis	
Security Agency	Offer antibiotic prophylaxis if the human bite has	metronidazole	400mg TDS		5 days for	
7 igonoy	broken the skin and drawn blood.		, and the second	_	treatment*	
	Consider antibiotic prophylaxis if the human bite has broken the skin but not drawn blood if it is in	seek specialist advice in pregnancy IV antibiotics (click on visual summary)				
Last updated:	a high-risk area or person at high risk.	antibiotics (click off visual	ai suriiriary)			
Nov 2020	Cat bite:					
	Offer antibiotic prophylaxis if the cat bite has broken the skin and drawn blood.					Neme and while it is not below if providing. (Neme) Acquirity of the contract of the contra
	Consider antibiotic prophylaxis if the cat bite has					The second secon
	broken the skin but not drawn blood if the wound could be deep.					The state of the s
	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 highrisk area or person at high risk.					
	*course length can be increased to 7 days (with review) based on clinical assessment of the wound.					

Infection	Key points	Medicine	Doses		Length	Visual
	itey points	Medicine	Adult	Child	Su	summary
Varicella zoster/ chickenpox	For management guidance please refer to NICE/C	Clinical Knowledge Summaries	s - <u>Chickenpox</u>			
Herpes zoster/ shingles Last updated: June 2023	NICE/Clinical Knowledge Summaries - Shingles					
Status: Under review						
▼ Eye infecti	ons					
Conjunctivitis						

Conjunctivitis				
Last updated: June 2023	For management guidance please refer to NICE/Clinical Knowledge Summaries: Conjunctivitis - infective			
Status: Under review				
Blepharitis				
Last updated: June 2023	For management guidance please refer to NICE/Clinical Knowledge Summaries: <u>Blepharitis</u>			
Status: Under review				

▼ Suspected dental infections in primary care (outside dental settings)

This guidance is not designed to be a definitive guide to oral conditions, as GPs should not be involved in dental treatment. Patients presenting to non-dental primary care services with dental problems should be directed to their regular dentist, or if this is not possible, to the NHS 111 service (in England), who will be able to provided details of how to access emergency dental care.

For further information on this topic please refer to the: College of General Dentistry and Faculty of Dental Surgery (FDS) of the Royal College of Surgeons of England - Antimicrobial Prescribing in Dentistry: Good Practice Guidelines.

▼ Abbreviations

BD, twice a day; eGFR, estimated glomerular filtration rate; IM, intramuscular; IV, intravenous; MALToma, mucosa-associated lymphoid tissue lymphoma; m/r, modified release; MRSA, methicillin-resistant *Staphylococcus aureus*; MSM, men who have sex with men; stat, given immediately; OD, once daily; TDS, 3 times a day; QDS, 4 times a day.