



## Summary of antimicrobial prescribing guidance – managing common infections with local amendments for Norfolk & Waveney STP - December 2023

- For all PHE guidance, follow PHE's principles of treatment.
- 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
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Infection	Key points	Medicine	Doses		Length	Visual
IIIIection	Rey points	Wiedicifie	Adult	Child	Lengui	summary
<b>▼</b> 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 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	
Public Health	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		5 days	Sons threat (activity authorized a prescribing section of the sect
England	Systemically very unwell or high risk of complications: immediate antibiotic.	,	BD	The second secon		
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.					
1 00 2020	For detailed information click the visual summary icon.					

Infaction	Key points	Modicino	Doses		Longth	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Influenza	For management guidance please refer to <u>UKHSA</u> guidance on Influenza: treatment and prophylaxis using anti-viral agents.					
Last updated: June 2023						
Status: Under review						
Acute otitis	Regular paracetamol or ibuprofen for pain (right dose for	First choice: amoxicillin	-		5 to 7 days	
media	age or weight at the right time and maximum doses for severe pain).  Consider ear drops containing an anaesthetic and an	Penicillin allergy: clarithromycin OR	-		5 to 7 days	
NICE	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)	-	SECULORISMS  SECUL	·	Otto media boulet antinicrobal precribing wet
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.	,		TOTAL		
Last updated: March 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/Clinical Knowledge Summaries: Otitis externa					
Last updated: June 2023						
Status: Under review						

Infantion	Very points	Madiaina	Doses		l avanth	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Scarlet fever (GAS)	For management guidance please refer to NICE/Clinical Knowledge Summaries: Scarlet Fever					
Last updated: June 2023						
Status: Under review						
Sinusitis	Advise paracetamol or ibuprofen for pain. Little evidence that nasal saline or nasal decongestants help, but people	First choice: phenoxymethylpenicillin	500mg QDS		5 days	
NICE	may want to try them.  Symptoms for 10 days or less: no antibiotic.  Symptoms with no improvement for more than	Penicillin allergy: doxycycline (not in under 12s) OR	200mg on day 1, then 100mg OD			
MCL	10 days: no antibiotic or back-up antibiotic depending on	clarithromycin OR	500mg BD	]	5 days	Simulitis (acute): antimicrobial prescribing MCC
	likelihood of bacterial cause.  Consider high-dose nasal corticosteroid (if over	erythromycin (if macrolide	250 to 500mg	State Section (Section Section		
UK Health Security	12 years).	needed in pregnancy; consider benefit/harm)	QDS or 500 to 1000mg BD	Will be interested and design particular section of the section of		The second secon
Agency	Systemically very unwell or high risk of	Second choice or first	500/125mg TDS	1 1		
Last updated:	complications: immediate antibiotic.	choice if systemically	300/ 120//19 12 C			
Oct 2017	For detailed information click on the visual summary.	very unwell or high risk			5 days	
		of complications: co-amoxiclav				
▼ Lower res	spiratory tract infections	oo amoxidav				
COVID-19	Antibiotics should not be used for preventing or treating CC	OVID-19 unless there is clinical	al suspicion of addition	nal bacter	ial co-infection.	
	Do not use azithromycin to treat COVID-19.					
NICE	Do not use doxycycline to treat COVID-19 in the communit	V.				
. 4102	Do not offer an antibiotic for preventing secondary bacteria	•	OVID-19.			
Last updated: December 2021	If a person in the community has suspected or confirmed s acquired pneumonia for choices.			ment as s	oon as possible, se	e <u>community-</u>
	In hospital, start empirical antibiotics if there is clinical susp pneumonia for choices. Start antibiotics as soon as possible Start treatment within 1 hour if the person has suspected s	le after establishing a diagnos	sis of secondary bacte	rial pneur	nonia, and certainly	within 4 hours.
	For detailed information, see the NICE guideline on managing Co	•				•

Interdien	Warran Sata	Mar Parker	Doses		1	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Acute exacerbation of COPD	Many exacerbations are not caused by bacterial infections so will not respond to antibiotics. Consider an antibiotic, but only after taking into account severity of	First choice: amoxicillin OR	500mg TDS (see BNF for severe infection)	-		
NICE	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	doxycycline <b>OR</b>	200mg on day 1, then 100mg OD (see BNF for severe infection)	-	5 days	
11.02	susceptibility results, and risk of resistance with repeated courses.	clarithromycin	500mg BD	-	-	COP OF LECTOR COMMUNICATION AND A DESCRIPTION OF THE COPPERSON OF T
	Some people at risk of exacerbations may have	Second choice: use altern	ative first choice	•	•	Comment   Comm
Security Agency  Last updated:	antibiotics to keep at home as part of their exacerbation action plan.  For detailed information click on the visual summary. See also the NICE guideline on COPD in over 16s.	Alternative choice (if person at higher risk of treatment failure): co-amoxiclav OR consult microbiology	500/125mg TDS	-	5 days	The state of the s
Dec 2018		Illioiosiology		-	-	
		IV antibiotics (click on visu	ial summary	•		
Acute exacerbation of bronchiectasis	Send a sputum sample for culture and susceptibility testing.  Offer an antibiotic.	First choice empirical treatment: amoxicillin (preferred if pregnant) OR	500mg TDS	7 to 44 days	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 treatment failure include people	doxycycline (not in under 12s) <b>OR</b>	200mg on day 1, then 100mg OD	_	7 to 14 days	
	who've had repeated courses of antibiotics, a previous	clarithromycin	500mg BD	- 27		Average conducting position of an orbital state of the conduction of the cond
UK Health Security	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 seek specialist advice	500/125mg TDS	Juli Brasson Common III	7 to 14 days	The state of the s
Agency	Do not routinely offer antibiotic prophylaxis to prevent exacerbations.		500mg OD or BD			
	CAGOGIDATIONS.		-			
		IV antibiotics (click on visu				

Infection	Key points	Medicine	Doses	<b>21.11.1</b>	Length	Visual
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 regular review.  For detailed information click on the visual summary.	When current susceptibili	Adult ity data available: ch	Child oose antil		summary
Acute cough	Some people may wish to try honey (in over 1s), the nerbal medicine pelargonium (in over 12s), cough medicines containing the expectorant guaifenesin (in over 12s) or cough medicines containing cough suppressants, except codeine, (in over 12s). These self-care treatments and	Adults first choice: 200mg on day 1, then 100mg OD  Adults alternative first choices: amoxicillin (preferred if pregnant) OR  200mg on day 1, then 100mg OD  500mg TDS	-	- 5 days		
UK Health Security Agency Last updated: Feb 2019	Acute cough with upper respiratory tract infection: no antibiotic.  Acute bronchitis: no routine antibiotic.  Acute cough and higher risk of complications (at face-to-face examination): immediate or back-up antibiotic.	erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	250mg to 500mg BD 250mg to 500mg QDS or 500mg to 1000mg BD	-	5 days	
	Acute cough and systemically very unwell (at face to face examination): immediate antibiotic.  Higher risk of complications includes people with preexisting comorbidity; 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.  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.	Children first choice: amoxicillin  Children alternative first choices: clarithromycin OR erythromycin OR doxycycline (not in under 12s)	-		5 days	Cogli Jacks unfreezibil practing  Williams  Wi

lufa ati an	Versus inte	Marilia in a	Doses		Lawarth	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 community acquired pneumonia.  Offer an antibiotic. Start treatment as soon as possible	First choice (non-severe and not higher risk of resistance): co-amoxiclav	500/125 mg TDS	The Page of the Control of the Contr	5 days then review	
NICE	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	Adults alternative first choice (non-severe and not higher risk of resistance)	200mg on day 1, then 100mg OD			
UK Health Security Agency  Last updated:	symptoms or signs, number of days in hospital before onset of symptoms, risk of developing complications, local hospital and ward-based antimicrobial resistance data, recent antibiotic use and microbiological results,	Choice based on specialist microbiological advice and local resistance data		-		
Sept 2019	recent contact with a health or social care setting before current admission, and risk of adverse effects with broad spectrum antibiotics.  No validated severity assessment tools are available. Assess severity of symptoms or signs based on clinical judgement.	Options include: doxycycline			5 days then	Accounts from the control of and decision providing that accounts from the control of and accounts from the control of and accounts from the control of an account of a control of a contro
		cefalexin (caution in penicillin allergy)	500 mg BD or TDS (can increase to 1 to 1.5g TDS or QDS)	-	review	
	Higher risk of resistance includes relevant comorbidity	co-trimoxazole	960mg BD	-		
	(such as severe lung disease or immunosuppression), recent use of broad spectrum antibiotics, colonisation with multi-drug 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.	levofloxacin (only if switching from IV levofloxacin with specialist advice; consider safety issues)	500mg OD or BD	-		Ment of the second seco
		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  For first choice IV antibion antibiotics to be added if				
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Infection	Key points	Medicine	Adult	Child	Length	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:  low severity – CRB65 0 or CURB65 0 or 1	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 Agency	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 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	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; consider benefit/harm)	200mg on day 1, then 100mg OD 500mg BD 500mg QDS		5 days*	
Last updated: Sept 2019	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 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 (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*	Processor for complete and comp
		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	Kov points	Medicine	Doses		Longth	Visual
intection	Key points	wedicine	Adult	Child	Length	summary
		Alternative first choice (high severity in adults): levofloxacin (consider safety issues)	500mg BD	-		
		IV antibiotics (click on visu	al summary)	1	L	
▼ 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 resistant bacteria and local antimicrobial	Non-pregnant women second choice: nitrofurantoin (if eGFR ≥45 ml/minute) OR	100mg m/r BD (or if unavailable 50mg QDS)	-	3 days	
Agency	resistance data.  If people have symptoms of pyelonephritis (such as	pivmecillinam (a penicillin) OR	400mg initial dose, then 200mg TDS	-	3 days	
Last updated: Oct 2018	fever) or a complicated UTI, see <u>acute pyelonephritis</u> (upper urinary tract infection) for antibiotic choices.	Seek advice from microbiologist				IIII Broadt antini mhidi penething METATORI.  The Committee of the Committ
	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 Public Health England urinary tract infection: diagnostic tools for primary care.	Pregnant women first choice: nitrofurantoin (avoid at term) – if eGFR ≥45 ml/minute	100mg m/r BD (or if unavailable 50mg QDS)	-	7 days	Total Control of Contr
		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	Voy nainta	Madiaina	Doses		Longth	Visual
intection	Key points	Medicine	Adult	Child	Length	summary
		Men first choice: Nitrofurantoin (if eGFR ≥45 ml/minute)OR	100mg m/r BD (or if unavailable 50mg QDS)	-	7 days	
		Trimethoprim	200mg BD	-	-	
		Men second choice: consi 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	-	The second secon	-	
		amoxicillin (only if culture results available and susceptible) <b>OR</b>	-			
		Cefalexin	-			
Acute pyelonephritis (upper urinary tract)	Advise paracetamol (+/- low-dose weak opioid) for pain for people over 12.  Offer an antibiotic.	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	

Infaction	Key points	Madiaina	Doses		Langith	Visual
Infection		Medicine	Adult	Child	Length	summary
sympton and susc	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	co-amoxiclav (only if culture results available and susceptible) <b>OR</b>	500/125mg TDS	-	7 to 10 days	
MICE	resistance data.  Avoid antibiotics that don't achieve adequate levels in renal tissue, such as nitrofurantoin.	trimethoprim (only if culture results available and susceptible) <b>OR</b>	200mg BD	-	14 days	
UK Health Security Agency	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 Public Health England	ciprofloxacin (consider safety issues)	500mg BD	-	7 days	
rigorioy	urinary tract infection: diagnostic tools for primary care.	Non-pregnant women and	Psyclonephritis (trans) commismed all possenting MCG recurse.			
Last updated: Oct 2018		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	choice or IV antibiot	ics consu	It microbiologist	
		Children and young people (3 months and over) first choice: cefalexin OR	-	Section 1 Sectio	-	
		co-amoxiclav (only if culture results available and susceptible)	-	The state of the s		
		Children and young peop visual summary)	ole (3 months and over	er) IV anti	biotics (click on	

Acute prostatitis	Advise paracetamol (+/- low-dose weak opioid) for pain, or ibuprofen if preferred and suitable.  Offer antibiotic.  Review antibiotic treatment after 14 days and either stop antibiotics or continue for a further 14 days if needed	First choice (guided by susceptibilities when available): ciprofloxacin (consider safety issues) OR	500mg BD	-	14 days then review	
	and blottes of continue for a further 14 days if needed	ofloxacin (consider safety issues) <b>OR</b>	200mg BD	-		

Infaction	Voy nainte	Madiaina	Doses		Longth	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
NICE  UK Health	(based on assessment of history, symptoms, clinical examination, urine and blood tests).  For detailed information click on the visual summary	trimethoprim (if fluoroquinolone not appropriate; seek specialist advice)	200mg BD	-		
Security Agency		Second choice (after discussion with specialist): levofloxacin (consider safety issues) OR	500mg OD	-	14 days then review	Secretar based withoutside/prevailing and a con-
Last updated: Oct 2018		co-trimoxazole	960mg BD	-	-	Control of the Contro
		IV antibiotics (click on visu	ial summary)			and the fact of the second section of the
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.  For postmenopausal women, if no improvement, consider vaginal oestrogen (review within 12 months).	First choice antibiotic prophylaxis: nitrofurantoin (avoid at term) - if eGFR ≥45 ml/minute OR	100mg single dose when exposed to a trigger or 50 to 100mg at night	MA MA CONTROL OF THE PARTY OF T	-	
UK Health Security Agency	For non-pregnant women, if no improvement, consider single-dose antibiotic prophylaxis for 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	Trimethoprim (avoid in pregnancy)	200mg single dose when exposed to a trigger or 100mg at night	The second secon	-	Util searners, orthogoable peaceting was on the control of the con
Last updated Oct 2018	women, men, children or young 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:	Second choice antibiotic prophylaxis: amoxicillin OR	500mg single dose when exposed to a trigger or 250mg at night	A CONTRACTOR OF THE PROPERTY O	-	
	diagnosis and management and the Public Health England urinary tract infection: diagnostic tools for primary care.	cefalexin	500mg single dose when exposed to a trigger or 125mg at night	The second secon	-	

			Doses			Visual
Infection	Key points	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 7 days. But	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)	-		
	do not delay antibiotic treatment.	trimethoprim (if low risk of resistance) <b>OR</b>	200mg BD	-	7 days	
NICE	Advise paracetamol for pain.  Advise drinking enough fluids to avoid dehydration.  Offer an antibiotic for a symptomatic infection.	amoxicillin (only if culture results available and susceptible)	500mg TDS	-		
UK Health Security Agency	and susceptibility results, previous antibiotic use which may have led to resistant bacteria and local antimicrobial resistance data.	Non-pregnant women and men second choice if no upper UTI symptoms: pivmecillinam (a penicillin)	400mg initial dose, then 200mg TDS	-	7 days	Vitalization and invalid an earthly McCommon and State of
Nov 2018		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	
		co-amoxiclav (only if culture results available and susceptible) <b>OR</b>	500/125mg TDS	-		
		trimethoprim (only if culture results available and susceptible) <b>OR</b>	200mg BD	-	14 days	
		ciprofloxacin (consider safety issues)	500mg BD	-	7 days	
		Non-pregnant women and		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	L choice or IV antibiot	ics (click	on visual summary)	

Infection	Key points	Medicine	Doses		Length	Visual
Infection	Key points	Medicine  Children and young people (3 months and over) first choice: trimethoprim (if low risk of resistance) OR  amoxicillin (only if culture results available and susceptible) OR  cefalexin OR	Adult	Child	Length	summary
		co-amoxiclav (only if culture results available and susceptible)	-			
		Children and young people visual summary)	le (3 months and o	ver) IV antib	oiotics (click on	
<b>▼</b> Meningitis						
Suspected meningococcal disease  Last updated:	For management guidance please refer to  Meningococcal disease: guidance on public health  management - GOV.UK (www.gov.uk)					
June 2023 Status: Under						
review						
Prevention of secondary case of meningitis	For management guidance please refer to  Meningococcal disease: guidance on public health  management - GOV.UK (www.gov.uk).					
Last updated: June 2023						
Status: Under review						

Infection	Key points	Medicine	Doses		Length	Visual
	• •	Wiedicitie	Adult	Child	Lengui	summary
	estinal tract infections					
Oral candidiasis	For management guidance please refer to NICE/Clinical Knowledge Summaries: Candida oral					
Last updated: June 2023						
Status: Under review						
Infectious diarrhoea	For management guidance please refer to NICE/Clinical Knowledge Summaries: Gastroenteritis					
Last updated: June 2023						
Status: Under review						
Traveller's diarrhoea	For management guidance please refer to NICE/Clinical Knowledge Summaries: Diarrhoea - prevention and advice for travellers					
Last updated: June 2023						
Status: Under review						
Threadworm	For management guidance please refer to NICE/Clinical Knowledge Summaries: Threadworm					
Last updated: June 2023	Tale meage cammanes. The cadaronne					
Status: Under review						
Clostridioides difficile infection	For suspected or confirmed <i>C. difficile</i> infection, see Public Health England's guidance on diagnosis and reporting.	First-line for first episode of mild, moderate or severe: vancomycin	125mg QDS	BNF for children	10 days	

Infaction	Key points	Madiaina	Doses	S	Longth	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
NICE  UK Health Security	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 one with a lower risk	Second-line for first episode of mild, moderate or severe if vancomycin ineffective: fidaxomicin	200mg BD	BNF for children		
Agency  Last updated: Jul 2021	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		Souther-this make active-place-this MI (1111)
	Do not offer antimotility medicines such as loperamide.  Offer an oral antibiotic to treat suspected or confirmed <i>C. difficile</i> infection.  For adults, consider seeking prompt specialist advice from a microbiologist or infectious diseases specialist	For further episode more than 12 weeks after symptom resolution (recurrence): vancomycin OR	125mg QDS	BNF for children		
	before starting treatment.  For children and young people, treatment should be	fidaxomicin	200mg BD	BNF for children		
	started by, or after advice from, a microbiologist, paediatric infectious diseases specialist or paediatric gastroenterologist.	For alternative antibiotics ineffective or for life-threat visual summary)				
	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.					

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Infection	Key points	Medicine	Adult	Child	Length	summary
Helicobacter pylori	For management guidance please refer to NICE/BNF treatment summaries: Helicobacter pylori infection					
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	Acute diverticulitis and systemically unwell, immunosuppressed or significant comorbidity: offer an antibiotic.  Give oral antibiotics if person not referred to hospital for	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)	-		
Last updated:	suspected complicated acute diverticulitis.  Give IV antibiotics if admitted to hospital with suspected or confirmed complicated acute diverticulitis (including		metronidazole: 400mg TDS		5 days*	Dourcture faceous attentional gross offer attentions.
Nov 2019	diverticular abscess).  If CT-confirmed uncomplicated acute diverticulitis, review the need for antibiotics.	trimethoprim AND metronidazole OR	trimethoprim: 200mg BD metronidazole:	-		Part of the Control
	* A longer course may be needed based on clinical		400mg TDS			
	assessment.	ciprofloxacin (only if switching from IV ciprofloxacin with specialist advice; consider	ciprofloxacin: 500mg BD metronidazole: 400mg TDS			
		safety issues) AND metronidazole				

	Adult Child	Length	Visual summary	
Epididymitis  Last updated: June 2023  Status: Under review  Chlamydia trachomatis/ urethritis  Last updated:  Last updated:  Last updated:  Last updated:  For management guidance please refer to the BASHH United Kingdom guideline for the management of Chlamydia Chlamydia Last updated:	For IV antibiotics in complicated acute diverticulitis (including diverticular abscess) see visual summary			
United Kingdom guideline for the management of epididymo-orchitis  Status: Under review  For management guidance please refer to the BASHH trachomatis/ urethritis  Last updated:  Last updated:				
Chlamydia trachomatis/ United Kingdom guideline for the management of Chlamydia  Last updated:  Chlamydia For management guidance please refer to the BASHH United Kingdom guideline for the management of Chlamydia				
trachomatis/ urethritis  United Kingdom guideline for the management of Chlamydia  Last updated:				
Last updated: June 2023				
Status: Under review				
Vaginal For management guidance please refer to the BASHH United Kingdom guideline for the management of vulvovaginal candidiasis				
Last updated: June 2023				
Status: Under review				
Bacterial For management guidance please refer to the BASHH United Kingdom guideline for the management of bacterial vaginosis				
Last updated: June 2023				
Status: Under review				

Infaction	Voyaninto	Madiaina	Doses		l on oth	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Genital herpes	For management guidance please refer to the BASHH United Kingdom guideline for the management of anogenital herpes					
Last updated: June 2023						
Status: Under review						
Gonorrhoea	For further management guidance please refer to the					
Last updated: June 2023	BASHH United Kingdom guideline for the management of Gonorrhoea					
Status: Under review						
Trichomoniasi s	For management guidance please refer to the BASHH United Kingdom guideline on the management of Trichomonas vaginalis					
Last updated: June 2023						
Status: Under review						
Pelvic inflammatory disease	For further management guidance please refer to the BASHH United Kingdom national guideline on the management of pelvic inflammatory disease					
Last updated: June 2023						
Status: Under review						

Infection	Key points	Medicine	Doses		Length	Visual
		Medicine	Adult	Child	Lengui	summary
	soft tissue infections					
Cold sores	For management guidance please refer to NICE/Clinical Knowledge Summaries: Herpes simplex - oral.					
Last updated: June 2023						
Status: Under review						
PVL-SA	For management guidance please refer to UKHSA (PHE)  PVL-Staphylococcus aureus infections: diagnosis and					
Last updated: June 2023	management					
Status: Under review						
Eczema (bacterial	Manage underlying eczema and flares with treatments such as emollients and topical corticosteroids, whether	If not systemically unwell antibiotic	a topical or oral			
infection)	antibiotics are given or not.  Symptoms and signs of secondary bacterial infection can	Topical antibiotic (if a top only:	ical is appropriate). I	For locali	ised infections	
	include: weeping, pustules, crusts, no response to treatment, rapidly worsening eczema, fever and malaise.	First choice: fusidic acid 2%	TDS	The second secon	5 to 7 days	
NICE	Not all flares are caused by a bacterial infection, so will not respond to antibiotics.	Oral antibiotic:			,	emerging base strong volume and an only proving 1975; notice the contract of t
	Eczema is often colonised with bacteria but may not be	First choice:	500mg QDS	1		Value of the control of the contro
UK Health Security	clinically infected.	flucloxacillin	500mg QDS			Parameters of the second of th
Agency	Do not routinely take a skin swab.	Penicillin allergy or	250mg BD (can be			
	Not systemically unwell:	flucloxacillin unsuitable:	increased to	And the second s		
Last updated:	Do not routinely offer either a topical or oral antibiotic.	clarithromycin <b>OR</b>	500mg BD for severe infections)	The second secon	5 to 7 days	
Mar 2021	If an antibiotic is offered, when choosing between a	and harmonic (if no and inter-				
	topical or oral antibiotic, take account of patient preferences, extent and severity of symptoms or signs,	erythromycin (if macrolide needed in pregnancy;	250mg to 500mg QDS			
	possible adverse effects, and previous use of topical	consider benefit/harm)	250			

Infection	Key points	Medicine	Doses	5	Length	Visual	
Intection	Key points	Wealtine	Adult	Child	Lengin	summary	
	antibiotics because antimicrobial resistance can develop rapidly with extended or repeated use.  Systemically unwell:						
	Offer an oral antibiotic.	If MRSA suspected or con					
	If there are symptoms or signs of cellulitis, see <u>cellulitis</u> and <u>erysipelas</u> .						
	For detailed information click on the visual summary.						
Impetigo	Localised non-bullous impetigo:	Topical antiseptic:					
	Hydrogen peroxide 1% cream (other topical antiseptics are available but no evidence for impetigo).	hydrogen peroxide 1%	BD or TDS	To g = the Month by	5 days*		
NUCE	If hydrogen peroxide unsuitable or ineffective, short-	Topical antibiotic:					
NICE	course topical antibiotic.	First choice:	TDS				
	Widespread non-bullous impetigo:	fusidic acid 2%	TD0	See a	F dove*		
UK Health	Short-course topical or oral antibiotic.	Fusidic acid resistance suspected or confirmed:	TDS	Contract of the Contract of th	5 days*		
Security	Take account of person's preferences, practicalities of administration, previous use of topical antibiotics because	mupirocin 2%				Impetigo: antimiorabila prescribing Mccasses	
Agency	antimicrobial resistance can develop rapidly with	Oral antibiotic:	<u>l</u>	<u> </u>	1	Constitution of the consti	
Last updated: Feb 2020	extended or repeated use, and local antimicrobial resistance data.	First choice: flucloxacillin	500mg QDS			Control of the contro	
	Bullous impetigo, systemically unwell, or high risk of complications:	Penicillin allergy or flucloxacillin unsuitable:	250mg BD	The grant beauting and the second sec			
	Short-course oral antibiotic.	clarithromycin <b>OR</b>		District Dis	9,040 9,040 9,040	5 days*	
	Do not offer combination treatment with a topical and oral antibiotic to treat impetigo.	erythromycin (if macrolide needed in pregnancy;	250 to 500mg QDS				
	*5 days is appropriate for most, can be increased to 7	consider benefit/harm)					
	days based on clinical judgement.  For detailed information click on the visual summary.	If MRSA suspected or con					
Mastitis	For management guidance please refer to NICE/Clinical Knowledge Summaries: Mastitis and breast abscess						
Last updated: June 2023							
Status: Under review							

Infection	Key points	Medicine	Doses		Length	Visual
Tick bites	For management guidance please refer to NICE NG95:		Adult	Child		summary
(Lyme disease)	Lyme disease					
Last updated: June 2023						
Status: Under review						
Scabies  Last updated: June 2023	For management guidance please refer to the BASHH United Kingdom national guideline on the management of Scabies					
Status: Under review						
Insect bites and stings	Most insect bites or stings will not need antibiotics.  Do not offer an antibiotic if there are no symptoms or signs of infection.					
NICE	If there are symptoms or signs of infection, see <u>cellulitis</u> and <u>erysipelas</u> .					
UK Health Security Agency						No. 11 adolg 2100 did monty. NOSERRO
Last updated: Sep 2020						Transcription   Transcriptio

Infection	Key points	Medicine	Doses		Length	Visual	
	* *		Adult	Child	Lengui	summary	
Leg ulcer	Manage any underlying conditions to promote ulcer	First-choice:					
infection	healing.	flucloxacillin	500mg to 1g QDS	-	7 days		
	Only offer an antibiotic when there are symptoms or signs of infection (such as redness or swelling spreading	Penicillin allergy or if fluc	loxacillin unsuitable	:			
NICE  UK Health	beyond the ulcer, localised warmth, increased pain or fever). Few leg ulcers are clinically infected but most are colonised by bacteria.  When prescribing antibiotics, take account of severity,	doxycycline <b>OR</b>	200mg on day 1, then 100mg OD (can be increased to 200mg daily)			Supplies consistenting Market	
Security Agency	risk of complications and previous antibiotic use.	clarithromycin <b>OR</b>	500mg BD	-	7 days	To proceed to the control of the con	
Last updated: Feb 2020	ed:	erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	500mg QDS			The state of the s	
		Second choice:	1				
		co-amoxiclav OR	500/125mg TDS				
		co-trimoxazole (in penicillin allergy)	960mg BD	-	7 days		
		For antibiotic choices if se confirmed, click on the vis		SA susp	ected or		
Cellulitis and	Exclude other causes of skin redness (inflammatory	First choice:					
erysipelas	reactions or non-infectious causes).  Consider marking extent of infection with a single-use	flucloxacillin	500mg to 1g QDS	The second secon	5 to 7 days*		
	surgical marker pen.	Penicillin allergy or if fluc	loxacillin unsuitable	:			
NUCE	Offer an antibiotic. Take account of severity, site of	clarithromycin <b>OR</b>	500mg BD				
NICE	infection, risk of uncommon pathogens, any microbiological results and MRSA status.	erythromycin (if macrolide needed in pregnancy;	500mg QDS	Description of the second of t		Odditional on usion althoughtourselde NEE to althought NE	
UK Health	Infection around eyes or nose is more concerning because of serious intracranial complications.	consider benefit/harm) OR	000		5 to 7 days*	The state of the s	
Security Agency	*A longer course (up to 14 days in total) may be needed but skin takes time to return to normal, and full resolution	doxycycline (adults only)	200mg on day 1, then 100mg OD	-		Devices  The Secretary of the Control of the Contro	
Last updated:	at 5 to 7 days is not expected.		-				
Sept 2019	Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas.	If infection near eyes or ne	ose:	1	1		
	For detailed information click on the visual summary.	co-amoxiclav	500/125mg TDS	Manager and the second	7 days*		
		If infection near eyes or ne	ose (penicillin allerg	y):			

Infection	Key points		Doses			Visual
		Medicine	Adult	Child	Length	summary
		clarithromycin AND	500mg BD			Í
		metronidazole (only add in children if anaerobes suspected)	400mg TDS	Part of the second seco	7 days*	
		For alternative choice ant confirmed MRSA infection				
Diabetic foot	bacteria. Diabetic foot infection has at least 2 of: local swelling or induration; erythema; local tenderness or pain; local warmth; purulent discharge.  Severity is classified as:  Mild: local infection with 0.5 to less than 2cm erythema	Mild infection: first choice				
infection		flucloxacillin	500mg to 1g QDS	-	7 days*	
		Mild infection (penicillin a	llergy):			-
		clarithromycin OR	500mg BD		7 days*	
NICE		needed in pregnancy; consider benefit/harm) OR  doxycycline 200r then (can	500mg QDS			
	Moderate: local infection with more than 2cm erythema or involving deeper structures (such as abscess,					
UK Health	osteomyelitis, septic arthritis or fasciitis)		200mg on day 1,			
Security Agency Last updated:	Severe: local infection with signs of a systemic		then 100mg OD (can be increased			Carachistic States and
	inflammatory response.		to 200mg daily)			
Oct 2019	Start antibiotic treatment as soon as possible.	For antibiotic choices for	The second secon			
	Take samples for microbiological testing before, or as close as possible to, the start of treatment	For antibiotic choices for moderate or severe infection, infections where Pseudomonas aeruginosa or MRSA is suspected or confirmed, and IV antibiotics click on the visual summary				
	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.					
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.	First line: fixed combination of topical adapalene with topical benzoyl peroxide (for any acne severity, not in under	0.1% adapalene/ 2.5% benzoyl peroxide OR 0.3% adapalene/2.5% benzoyl peroxide	BNF for children	12 weeks	Not available. See the NICE guideline on
NICE	Consider topical benzoyl peroxide monotherapy as an alternative if first-line treatment options are	9s) <b>OR</b>	OD (thinly evening)			<u>acne vulgaris</u> .

Infording	Key points	Medicine	Doses		l avanth	Visual
Infection			Adult	Child	Length	summary
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 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 acne	antibiotic (topical or oral).  Do not use: monotherapy with a topical antibiotic, monotherapy with an oral antibiotic, or a combination	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		
	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			
	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)	BNF for children		
			AND lymecycline 408mg OD OR doxycycline 100mg OD	BNF for children		
		topical azelaic acid <b>AND</b> either oral lymecycline or oral doxycycline (for moderate to severe acne, not in under 12s)	15% or 20% azelaic acid BD  AND lymecycline 408mg OD  OR doxycycline 100mg OD	BNF for children		

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
		Alternative: topical benzoyl peroxide	5% benzoyl peroxide OD to BD	BNF for children		
Dermatophyte infection: skin	For management guidance please refer to NICE/Clinical Knowledge Summaries: Fungal skin infection - body and groin					
Last updated: June 2023						
Status: Under review						
Dermatophyte infection: nail	For management guidance please refer to NICE/Clinical Knowledge Summaries: Fungal nail infection					
Last updated: June 2023						
Status: Under review						
Human and	Offer an antibiotic for a human or animal bite if there are	First choice:				
animal bites	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	Section 1 days Sectio	3 days for prophylaxis 5 days for treatment*	New relativity to relativity and the first to the first t
	Do not offer antibiotic prophylaxis if a human or animal bite has not broken the skin.	Penicillin allergy or co-amoxiclav unsuitable:				STATE OF THE PROPERTY OF THE P
UK Health Security	Human bite:  Offer antibiotic prophylaxis if the human bite has broken the skin and drawn blood.	doxycycline AND	200mg on day 1, then 100mg or 200mg daily		3 days for prophylaxis	
Agency	the skin and drawn blood.	metronidazole	400mg TDS		5 days for treatment*	
		seek specialist advice in pre	egnancy			

Infection	Key points	Medicine	Doses		Length	Visual
	• •		Adult	Child	Lengui	summary
Last updated: Nov 2020	Consider antibiotic prophylaxis if the human bite 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 visua	al summary)			
	Cat bite:					
	Offer antibiotic prophylaxis if the cat bite has broken the skin and drawn blood.					
	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.					
	*course length can be increased to 7 days (with review) based on clinical assessment of the wound.					
Varicella	For management guidance please refer to NICE/Clinical					
zoster/ chickenpox	Knowledge Summaries - Chickenpox					
omonompox	Or NICE/Clinical Knowledge Summaries - Shingles					
Herpes zoster/						
shingles						
Last updated: June 2023						
Status: Under review						

Infection	Key points	Medicine	Doses		Longth	Visual
			Adult	Child	Length	summary
▼ Eye infect	ions					
Conjunctivitis	For management guidance please refer to NICE/Clinical Knowledge Summaries: Conjunctivitis - infective					
Last updated: June 2023						
Status: Under review						
Blepharitis	For management guidance please refer to NICE/Clinical Knowledge Summaries: Blepharitis					
Last updated: June 2023						
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.