



Summary of antimicrobial prescribing guidance – managing common infections

- 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

Jump to section on:

 Jump to section on:
 Upper RTI
 Lower RTI
 UTI
 Meningitis
 GI
 Genital
 Skin
 Eye
 Dental

Infection	Key points	Key points Medicine Doses			Length	Visual		
	• •	Medicine	Adult	Child	Lengui	summary		
▼ Upper resp	▼ Upper respiratory 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*			
	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			
NICE	FeverPAIN 0-1 or Centor 0-2: no antibiotic; FeverPAIN 2-3: no or back-up antibiotic; FeverPAIN 4-5 or Centor 3-4: immediate or back-up antibiotic.	erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	250mg to 500mg QDS or 500mg to 1000mg BD	The second secon	5 days	Some firent locate) antiholocated proceeding, says		
Public Health England	Systemically very unwell or high risk of complications: immediate antibiotic.		DD	Section 2 of the Section Sec				
Last updated: Jan 2018	*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	Voy points	Madiaina	Doses		Longth	Visual
intection	Key points	Medicine	Adult	Child	Length	summary
Public Health England Last updated: Feb 2019	Annual vaccination is essential for all those 'are Treat 'at risk' patients with 5 days oseltamivir 75m (36 hours for zanamivir treatment in children), 1D,3D At risk: pregnant (and up to 2 weeks post-partum and asthma); significant cardiovascular disease (right diabetes mellitus; morbid obesity (BMI>40). 4D See immunosuppression, or oseltamivir resistance, us advice. 4D Access supporting evidence and rationales on the PHE	ng BD, ^{1D} when influenza is circ or in a care home where influ); children under 6 months; ac not hypertension); severe imm the <u>PHE Influenza</u> guidance e zanamivir 10mg BD ^{5A+,6A+} (2	culating in the commu lenza is likely. ^{1D,2A+} dults 65 years or olde unosuppression; chro for the treatment of p	nity, and i r; chronic onic neuro atients un	deally within 48 hours respiratory disease (i logical, renal or liver der 13 years. ^{4D} In sev	ncluding COPD disease; vere
Scarlet fever (GAS)	Prompt treatment with appropriate antibiotics significantly reduces the risk of complications. 1D Vulnerable individuals (immunocompromised,	Phenoxymethylpenicillin ^{2D} Penicillin allergy:	500mg QDS ^{2D} 250mg to 500mg	BNF for children	10 days ^{3A+,4A+,5A+} 5 days ^{2D,5A+}	Not available. Access supporting
Public Health England Last updated: Oct 2018	the comorbid, or those with skin disease) are at increased risk of developing complications. 1D	clarithromycin ^{2D} Optimise analgesia ^{2D} and gi	BD ^{2D}	5 days ^{25,0}	evidence and rationales on the PHE website	
Acute otitis	Regular paracetamol or ibuprofen for pain (right	First choice: amoxicillin	-		5 to 7 days	
media	dose for age or weight at the right time and maximum doses for severe pain).	Penicillin allergy: clarithromycin OR	-		5 to 7 days	
NICE Public Health	Otorrhoea or under 2 years with infection in both ears: no, back-up or immediate antibiotic. Otherwise: no or back-up antibiotic.	erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	-			Cross media bosseli andimicrobila prescribing wor
England Last updated: Feb 2018	Systemically very unwell or high risk of complications: immediate antibiotic. For detailed information click on the visual summary.	Second choice: co- amoxiclav	-		5 to 7 days	
Acute otitis externa	First line: analgesia for pain relief, 1D,2D and apply localised heat (such as a warm flannel).2D Second line: topical acetic acid or topical	Second line: topical acetic acid 2% ^{2D,4B-} OR	1 spray TDS ^{5A-}	BNF for children	7 days ^{5A}	Not eveilable
Public Health England	antibiotic +/- steroid: similar cure at 7 days. 2D,3A+,4B- If cellulitis or disease extends outside ear canal, or systemic signs of infection, start oral flucloxacillin and refer to exclude malignant otitis	topical neomycin sulphate with corticosteroid ^{2D,5A} - (consider safety issues if perforated tympanic membrane) ^{6B} -	3 drops TDS ^{5A-}	BNF for children	7 days (min) to 14 days (max) ^{3A+}	 Not available. Access supporting evidence and rationales on the PHE
Nov 2017	externa. ^{1D}	If cellulitis: flucloxacillin ^{7B+}	250mg QDS ^{2D} If severe: 500mg QDS ^{2D}	BNF for children	7 days ^{2D}	- <u>website</u>

Infection	Voy points	Medicine	Doses		Longuith	Visual
intection	Key points	Wiedicine	Adult	Child	Length	summary
Sinusitis	Advise paracetamol or ibuprofen for pain. Little	First choice:	500mg QDS		5 days	
	evidence that nasal saline or nasal	phenoxymethylpenicillin	000			_
	decongestants help, but people may want to try them.	Penicillin allergy: doxycycline (not in under	200mg on day 1, then 100mg OD			
NICE	Symptoms for 10 days or less: no antibiotic.	12s) OR	Their rooming OD			
NICE	Symptoms with no improvement for more	clarithromycin OR	500mg BD	-	5 days	Simultis (acute): antinicrobial prescribing WKC
	than 10 days: no antibiotic or back-up antibiotic	erythromycin (if macrolide	250 to 500mg	State the second	,	
Public Health	depending on likelihood of bacterial cause.	needed in pregnancy;	QDS or	Selection of the control of the cont		Annual Control of Cont
England	Consider high-dose nasal corticosteroid (if over 12 years).	consider benefit/harm)	500 to 1000mg BD			Management and the same of the
	Systemically very unwell or high risk of	Second choice or first choice if systemically	500/125mg TDS			
Last updated: Oct 2017	complications: immediate antibiotic.	very unwell or high risk			5 days	
OCI 2017	For detailed information click on the visual summary.	of complications:			o days	
		co-amoxiclav				
▼ Lower res	piratory tract infections					
Acute	Many exacerbations are not caused by bacterial	First choice:	500mg TDS (see			
exacerbation	infections so will not respond to antibiotics.	amoxicillin OR	BNF for severe	-		
of COPD	Consider an antibiotic, but only after taking into account severity of symptoms (particularly		infection)			
	sputum colour changes and increases in volume	doxycycline OR	200mg on day 1, then 100mg OD		5 days	
	or thickness), need for hospitalisation, previous		(see BNF for	-		
NICE	exacerbations, hospitalisations and risk of		severe infection)			
	complications, previous sputum culture and susceptibility results, and risk of resistance with	clarithromycin	500mg BD	-		
Public Health	repeated courses.	Second choice: use alterna	ative first choice	•		COPO is to control also in this to it greet buy. NCE CIPPER.
England	Some people at risk of exacerbations may have	Alternative choice (if	500/125mg TDS			200 Mar. 1 Transport 1 Transpo
g	antibiotics to keep at home as part of their	person at higher risk of		_		2000 - 1000 00 00 00 00 00 00 00 00 00 00 00 0
	exacerbation action plan.	treatment failure):				The second secon
Last updated:	For detailed information click on the visual summary. See also the NICE guideline on COPD in over 16s.	co-amoxiclav OR				
Dec 2018	See also the <u>NICE guideline on COPD in over Tos</u> .	co-trimoxazole OR	960mg BD	-	5 days	
		levofloxacin (with specialist advice if co-	500mg OD		o days	
		amoxiclay or co-				
		trimoxazole cannot be		-		
		used; consider safety				
		issues)				
		IV antibiotics (click on visual	al summary)			

luda eti e u	Variation	No ali alia	Doses		Longth	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Acute exacerbation of bronchiectasis	Send a sputum sample for culture and 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)	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			
	treatment failure include people who've had	clarithromycin	500mg BD			
NICE	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	Alternative choice (if person at higher risk of treatment failure) empirical treatment: co-amoxiclay OR	500/125mg TDS			Nucleon redes should be supported by the
Public Health England	bronchiectasis, exacerbation history, severity of exacerbation symptoms, previous culture and susceptibility results, and response to treatment. Do not routinely offer antibiotic prophylaxis to	levofloxacin (adults only: with specialist advice if co-amoxiclay cannot be	500mg OD or BD		7 to 14 days	The state of the s
Last updated:	prevent exacerbations.	used; consider safety issues) OR				
Dec 2018	I •	ciprofloxacin (children only: with specialist advice if co-amoxiclav cannot be used; consider safety issues)	-	-		
	regular review.	IV antibiotics (click on visua	al summary)		L	1
	For detailed information click on the visual summary.	When current susceptibili	ty data available: ch	oose antib	oiotics accordingly	-
COVID-19	Antibiotics should not be used for preventing or tre	eating COVID-19 unless there	is clinical suspicion o	of addition	al bacterial co-infection	on.
	Do not use azithromycin to treat COVID-19.					
NICE	Do not use doxycycline to treat COVID-19 in the c	•				
	Do not offer an antibiotic for preventing secondary					
Last updated:	If a person in the community has suspected or corcommunity-acquired pneumonia for choices.	nfirmed secondary bacterial p	neumonia, start antib	iotic treatn	nent as soon as poss	ible, see
December 2021	In hospital, start empirical antibiotics if there is clin pneumonia for choices. Start antibiotics as soon a 4 hours. Start treatment within 1 hour if the persor guideline on sepsis.	s possible after establishing a n has suspected sepsis and m	a diagnosis of second	ary bacter	ial pneumonia, and c	ertainly within
	For detailed information, see the <u>NICE guideline on ma</u>	naging COVID-19.				

Infontion	Key points	Medicine	Doses		Longth	Visual
Infection		Wiedicine	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	-	- 5 days	
NICE	guaifenesin (in over 12s) or cough medicines containing cough suppressants, except codeine, (in over 12s). These self-care treatments have limited evidence for the relief of cough	Adults alternative first choices: amoxicillin (preferred if pregnant) OR	500mg TDS	-		
Public Health	symptoms.	clarithromycin OR	250mg to 500mg BD	-		
England Last updated: Feb 2019	Acute cough with upper respiratory tract infection: no antibiotic. Acute bronchitis: no routine antibiotic. Acute cough and higher risk of	erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	250mg to 500mg QDS or 500mg to 1000mg BD	-		Cough placed unthrocabil prescribes
Feb 2019	complications (at face-to-face examination): immediate or back-up antibiotic.	Children first choice: amoxicillin	-			
	Acute cough and systemically very unwell (at face to face examination): immediate antibiotic.	Children alternative first choices: clarithromycin OR	-			
	Higher risk of complications includes people with	erythromycin OR	-	_		Canada San Canada Canad
	pre-existing 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.	doxycycline (not in under 12s)	-	The second secon	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	Koy points	Medicine	Doses		Longth	Visual
intection	Key points	Wedicine	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	First choice (non-severe and not higher risk of resistance): co-amoxiclav	500/125 mg TDS		5 days then review	
NICE Public Health	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).	Adults alternative first choice (non-severe and not higher risk of resistance)	200mg on day 1, then 100mg OD			Potential transfer and entered to produce the state of th
England Last updated: Sept 2019	severity of 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, recent contact with a health or social care setting before current admission, and risk of adverse effects with broad spectrum antibiotics.	Choice based on specialist microbiological advice and local resistance data Options include: doxycycline		-		
,		cefalexin (caution in penicillin allergy)	500 mg BD or TDS (can increase to 1 to 1.5g TDS or QDS)	-	5 days then review	
	No validated severity assessment tools are available. Assess severity of symptoms or signs	co-trimoxazole	960mg BD	_	-	Bellevier Comments - Selection Comments -
	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	-	-	
	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	-		-	
		For first choice IV antibiot antibiotics to be added if s visual summary				

Infection	Key points	Medicine	Doses		Length	Visual
IIIIection	Rey points	Medicine	Adult	Child	Lengui	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 Public Health England	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*	
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	consider benefit/harm) First choice (moderate severity in adults): amoxicillin AND (if atypical pathogens suspected)	500mg TDS (higher doses can be used, see BNF)	-		The state of the s
	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	clarithromycin OR erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	500mg BD 500mg QDS	-	5 days*	
	severity, risk of complications, local antimicrobial resistance and surveillance data, recent antibiotic use and microbiological results. * Stop antibiotics after 5 days unless	Alternative first choice (moderate severity in adults): doxycycline OR clarithromycin	200mg on day 1, then 100mg OD	-		
	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
miection	Ney points		Adult	Child	Lengui	summary
		Alternative first choice (high severity in adults): levofloxacin (consider	500mg BD	-		
		safety issues)				
		IV antibiotics (click on visual	al summary)			
	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	-		
Public Health England	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	
	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	UIII Doseste avalusionabile poserzibile; ARCE CONTROLLE
	pyelonephritis (upper urinary tract infection) for antibiotic choices. 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	Pregnant women first choice: nitrofurantoin (avoid at term) – if eGFR ≥45 ml/minute	100mg m/r BD (or if unavailable 50mg QDS)	-	7 days	
	Public Health England <u>urinary tract infection:</u> <u>diagnostic tools for primary care</u> .	Pregnant women second choice: amoxicillin (only if culture results available and susceptible) OR	500mg TDS	-	7 days	
		cefalexin	500mg BD	-		
		Treatment of asymptomat nitrofurantoin (avoid at term and susceptibility results				

Infection	Koy pointo	Medicine	Doses		Longth	Visual
Intection	Key points	Wiedicine	Adult	Child	Length	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	-			

Infantion	Vov nointe	Madiaina	Doses		Longth	Visual
Infection	Key points	Medicine	Adult	Child	Length	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	
Public Health England	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	ciprofloxacin (consider safety issues)	500mg BD	_	7 days	Systems britis (control arrivational at possetibles MC1 array)
	Public Health England <u>urinary tract infection:</u>	Non-pregnant women and	The second secon			
Last updated: Oct 2018	diagnostic tools for primary care. updated:	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 antibioti	cs (click	on visual summary)	
		Children and young people (3 months and over) first choice: cefalexin OR	-	The second secon	-	
		co-amoxiclav (only if culture results available and susceptible)	-	The second secon		
		Children and young peop visual summary)	le (3 months and ove	er) IV anti	biotics (click on	

Lateration	Various lints	Maritata	Doses		1	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
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	First choice (guided by susceptibilities when available): ciprofloxacin (consider safety issues) OR	500mg BD	-	44 days then	
NICE	14 days if needed (based on assessment of history, symptoms, clinical examination, urine	ofloxacin (consider safety issues) OR	200mg BD	_	- 14 days then review	
Public Health England	and blood tests). For detailed information click on the visual summary	trimethoprim (if fluoroquinolone not appropriate; seek specialist advice)	200mg BD	-	14 days then review	Promotific bound withouthold pre-chibing. Mexiculary
Last updated: Oct 2018		Second choice (after discussion with specialist): levofloxacin (consider safety issues) OR	500mg OD	-		900 September 1
		co-trimoxazole	960mg BD	† -		
		IV antibiotics (click on visua	al summary)			
Recurrent urinary tract infection	First advise about behavioural and personal hygiene measures, and self-care (with D-mannose or cranberry products) to reduce the risk of UTI.	First choice antibiotic prophylaxis: trimethoprim (avoid in pregnancy) OR	200mg single dose when exposed to a trigger or 100mg at night		-	
NICE Public 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	Parameter Section 1997	-	27 Inscretti protocolis practing we wre-
England Last updated Oct 2018	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		-	
	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 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	-	

ludo eti e u	Vou a sinte	Madiaisa	Doses		l a sa astla	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	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	-	7 days	
NICE	Advise drinking enough fluids to avoid dehydration. Offer an antibiotic for a symptomatic infection.	amoxicillin (only if culture results available and susceptible)	500mg TDS	-		
Public Health England	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	STELENSOS anti-frankli insustitini MECCONONIA
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	
	See also the <u>Public Health England urinary tract</u> <u>infection: diagnostic tools for primary care</u> .	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	choice or IV antibiot	ics (click	on visual summary)	

Infection	Koy pointo	Key points Medicine Doses			Longth	Visual
intection	Rey points	Wiedicine	Adult	Child	Length	summary
		Children and young people (3 months and over) first choice: trimethoprim (if low risk of resistance) OR	-			
		amoxicillin (only if culture results available and susceptible) OR	-	The second secon	-	
		cefalexin OR	-			
		co-amoxiclav (only if culture results available and susceptible)	-			
		Children and young peopl visual summary)	e (3 months and ov	er) IV anti	biotics (click on	
▼ Meningitis						
Suspected meningococcal disease Public Health England Last updated: Feb 2019	Transfer all patients to hospital immediately. 1D If time before hospital admission, 2D,3A+ if suspected meningococcal septicaemia or non-blanching rash, 2D,4D give IV benzylpenicillin 1D,2D,4D as soon as possible. 2D Do not give IV antibiotics if there is a definite history of anaphylaxis; 1D rash is not a contraindication. 1D	IV or IM benzylpenicillin ^{1D,2D}	Child <1 year: 300 Child 1 to 9 years: Adult/child 10+ yea	600mg ^{5D} ars: 1.2g ^{5D}	Stat dose; ^{1D} give IM, if vein cannot be accessed ^{1D}	Not available. Access the supporting evidence and rationales on the PHE website
Prevention of secondary case of meningitis Public Health England Last updated: July 2019	Only prescribe following advice from your local he Out of hours: contact on-call doctor: [INSERT For Expert advice is available for managing clusters of Public Health England, Colindale (tel: 0208 200 44 AWARe (all Wales Acute Response team) (tel: 03 Access the supporting evidence and rationales on the Expert Acute Response team)	PHONE NUMBER] f meningitis. Please alert the a 400) 00 003 0032)	-		-	

Infection	Voy nointo	Medicine	Doses		Lapath	Visual
	Key points		Adult	Child	Length	summary
▼ Gastroint	estinal tract infections					
Oral candidiasis	Topical azoles are more effective than topical nystatin. 1A+ Oral candidiasis is rare in immunocompetent	Miconazole oral gel ^{1A+,4D,5A-}	2.5ml of 24mg/ml QDS (hold in mouth after food)	BNF for children	7 days; continue for 7 days after resolved ^{4D,6D}	Not available.
Public Health	adults; ^{2D} consider undiagnosed risk factors,		4D		resolved *-,*-	Access supporting
England Last updated:	including HIV. ^{2D} Use 50mg fluconazole if extensive/severe candidiasis; ^{3D,4D} if HIV or immunocompromised, use 100mg fluconazole. ^{3D,4D}	If not tolerated: nystatin suspension ^{2D,6D,7A} -	1ml; 100,000units/ml QDS (half in each side) ^{2D,4D,7A} -	BNF for children	7 days; continue for 2 days after resolved ^{4D}	evidence and rationales on the PHE
Oct 2018		fluconazole capsules ^{6D,7A}	50mg/100mg OD ^{3D,6D,8A-}	BNF for children	7 to 14 days ^{6D,7A-} ,8A-	<u>website</u>
Infectious diarrhoea	Refer previously healthy children with acute painfe	ul or bloody diarrhoea, to excl	ude <i>E. coli</i> O157 infec	ction.1D		1
Public Health England Last updated: Oct 2018	Antibiotic therapy is not usually indicated unler as undercooked meat and abdominal pain), 3D con If giardia is confirmed or suspected – tinidazole 29. Access the supporting evidence and rationales on the	sider clarithromycin 250mg to g single dose is the treatment	500mg BD for 5 to 7	days, if tro	eated early (within 3 o	days). ^{3D,4A+}
	Access the supporting evidence and rationales on the	PHE website.				
Traveller's diarrhoea	Prophylaxis rarely, if ever, indicated. ^{1D} Consider standby antimicrobial only for patients at high	Standby: azithromycin	500mg OD ^{1D,3A+}	-	1 to 3 days ^{1D,2D,3A+}	Not available.
	Prophylaxis rarely, if ever, indicated. ^{1D} Consider	Standby:	500mg OD ^{1D,3A+} 2 tablets QDS ^{1D,2D}	-	1 to 3 days ^{1D,2D,3A+} 2 days ^{1D,2D,4A-}	
diarrhoea Public Health England Last updated:	Prophylaxis rarely, if ever, indicated. ^{1D} Consider standby antimicrobial only for patients at high risk of severe illness, ^{2D} or visiting high-risk	Standby: azithromycin Prophylaxis/treatment:	ŭ		,	Access supporting evidence and rationales on the PHE

Info ation	Voy points	Madiaina	Doses		l ovostlo	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Clostridioides difficile infection	For suspected or confirmed <i>C. difficile</i> infection, see <u>Public Health England's guidance on diagnosis and reporting</u> .	First-line for first episode of mild, moderate or severe:	125mg QDS	BNF for children		
NICE	Assess: whether it is a first or further episode, severity of infection, individual risk factors for complications or recurrence (such as age, frailty or comorbidities).	vancomycin Second-line for first episode of mild, moderate or severe if	200mg BD	BNF for children		
Public Health	Existing antibiotics : review and stop unless essential. If still essential, consider changing to one with a lower risk of <i>C. difficile</i> infection.	vancomycin ineffective: fidaxomicin		loi cilidren		
England Last updated: Jul 2021	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	For further episode within 12 weeks of symptom resolution (relapse):	200mg BD	BNF for children	10 days	South Associate edited deposits MC 2000.
	are dehydrated (such as NSAIDs). Do not offer antimotility medicines such as loperamide.	For further episode more than 12 weeks after	125mg QDS	BNF		Value of the control
	Offer an oral antibiotic to treat suspected or confirmed <i>C. difficile</i> infection.	symptom resolution (recurrence): vancomycin OR		for children		
	For adults, consider seeking prompt specialist advice from a microbiologist or infectious	fidaxomicin	200mg BD	BMF for children		
	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.	For alternative antibiotics ineffective or for life-threa 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.					

lufa etia u	Key points		Doses		1	Visual
Infection		Medicine	Adult	Child	Length	summary
Helicobacter pylori	Always test for <i>H.pylori</i> before giving antibiotics. Treat all positives, if known DU, GU, ^{1A+} or low-grade MALToma. ^{2D,3D} NNT in non-ulcer dyspepsia: 14. ^{4A+}	Always use PPI ^{2D,3D,5A+,12A+} First line and first relapse and no penicillin	-	BNF for children		
Public Health England	Do not offer eradication for GORD. ^{3D} Do not use clarithromycin, metronidazole or quinolone if used in the past year for any	allergy PPI PLUS 2 antibiotics amoxicillin ^{2D,6B+} PLUS	1000mg BD ^{14A+}	BNF for children		
See PHE quick	infection. ^{5A+,6B+,7A+} Penicillin allergy : use PPI PLUS clarithromycin	clarithromycin ^{2D,6B+} OR	500mg BD ^{8A-}	BNF for children		
reference guide for diagnostic	PLUS metronidazole. ^{2D} If previous clarithromycin, use PPI PLUS bismuth salt	metronidazole ^{2D,6B+}	400mg BD ^{2D}	BNF for children		
advice: PHE H. pylori	PLUS metronidazole PLUS tetracycline hydrochloride. ^{2D,8A-,9D} Relapse and no penicillin allergy use PPI PLUS amoxicillin PLUS clarithromycin or	Penicillin allergy and previous clarithromycin: PPI WITH bismuth subsalicylate PLUS 2 antibiotics	-	-	7 days ^{2D} MALToma 14 days ^{7A+,16A+}	
Last updated: Feb 2019	metronidazole (whichever was not used first line) 2D	bismuth subsalicylate ^{13A+} PLUS	525mg QDS ^{15D}		14 days	Not available. Access
	Relapse and previous metronidazole and clarithromycin: use PPI PLUS amoxicillin	metronidazole ^{2D} PLUS	400mg BD ^{2D}	BNF for children		supporting evidence and
	PLUS either tetracycline OR levofloxacin (if tetracycline not tolerated). ^{2D,7A+}	tetracycline ^{2D}	500mg QDS ^{15D}			rationales on the PHE
	Relapse and penicillin allergy (no exposure to quinolone): use PPI PLUS metronidazole PLUS levofloxacin. ^{2D}	Relapse and previous metronidazole and clarithromycin: PPI PLUS 2 antibiotics	-	-		<u>website</u>
	Relapse and penicillin allergy (with exposure to quinolone): use PPI PLUS bismuth salt	amoxicillin ^{2D,7A+} PLUS	1000mg BD ^{14A+}	BNF for children		
	PLUS metronidazole PLUS tetracycline. ^{2D}	tetracycline ^{2D,7A+} OR	500mg QDS ^{15D}			
	Retest for <i>H. pylori</i> : post DU/GU, or relapse after second-line therapy, ^{1A+} using UBT or	levofloxacin (if tetracycline cannot be used) ^{2D,7A+}	250mg BD ^{7A+}			
	SAT, 10A+,11A+ consider referral for endoscopy and culture. ^{2D}	Third line on advice: PPI WITH	-	-		
	outare.	bismuth subsalicylate PLUS	525mg QDS ^{15D}	-	40 1	
		2 antibiotics as above not previously used OR	-	-	10 days	
		rifabutin ^{14A+} OR	150mg BD	-		
		furazolidone ^{17A+}	200mg BD	-		

lu fo ati a u	Voy nainta	Madiaina	Doses		Lawath	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
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*	Observation disease antimicability proceding with respect to the contract of t
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	-	Juays		
	* 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			
		For IV antibiotics in comp diverticular abscess) see		ulitis (in	cluding	
▼ Genital tra	act infections					
STI screening Public Health England Last updated: Nov 2017	People with risk factors should be screened for che Risk factors: <25 years; no condom use; recent/faccess the supporting evidence and rationales on the Experimental Section 1.	requent change of partner; sy	• •		•	
Epididymitis	Usually due to Gram-negative enteric bacteria in	Doxycycline ^{1A+,2D} OR	100mg BD ^{1A+,2D}		10 to 14 days ^{1A+,2D}	Not available.
	men over 35 years with low risk of STI. 1A+,2D	ofloxacin ^{1A+,2D} OR	200mg BD ^{1A+,2D}		14 days ^{1A+,2D}	Access supporting
Public Health England Last updated: Nov 2017	If under 35 years or STI risk, refer to GUM. 1A+,2D	ciprofloxacin ^{1A+,2D}	500mg BD ^{1A+,2D,3A+}	-	10 days ^{1A+,2D,3A+}	evidence and rationales on the PHE website

Infontion	Koy points	Medicine	Doses		Longth	Visual
Infection	Key points	Wiedicine	Adult	Child	Length	summary
Chlamydia trachomatis/ urethritis	Opportunistically screen all sexually active patients aged 15 to 24 years for chlamydia annually and on change of sexual partner. 1B-	First line: doxycycline ^{4A+,11A-,12A+}	100mg BD ^{4A+,11A-} ,12A+		7 days ^{4A+,11A-,12A+}	
	If positive, treat index case, refer to GUM and initiate partner notification, testing and treatment. ^{2D,3A+}	Second line/ pregnant/breastfeeding/ allergy/intolerance: azithromycin ^{4A+,11A-,12A+}	1000mg ^{4A+,11A-,12A+} then 500mg OD ^{4A+,11A-}		Stat ^{4A+,11A-,12A+} 2 days ^{4A+,11A-,12A+}	
Public Health England	As single dose azithromycin has led to increased resistance in GU infections, doxycycline should be used first line for chlamydia and urethritis. ^{4A+}	<u>azimiomycin</u> ********	,12A+		(total 3 days)	
Last updated: July 2019	Advise patient with chlamydia to abstain from sexual intercourse until doxycycline is completed or for 7 days after treatment with azithromycin (14 days after azithromycin started and until symptoms resolved if urethritis). 3A+,4A+					Not available. Access
	If chlamydia, test for reinfection at 3 to 6 months following treatment if under 25 years; or consider if over 25 years and high risk of re-infection. 1B-,3B+, 5B-			-		supporting evidence and rationales on the <u>PHE</u> website
	Second line, pregnant, breastfeeding, allergy, or intolerance: azithromycin is most effective. 6A+,7D,8A+,9A+,10D As lower cure rate in pregnancy, test for cure at least 3 weeks after end of treatment. 3A+					
	Consider referring all patients with symptomatic urethritis to GUM as testing should include <i>Mycoplasma genitalium</i> and <i>Gonorrhoea</i> . ^{11A-}					
	If <i>M.genitalium</i> is proven, use doxycycline followed by azithromycin using the same dosing regimen and advise to avoid sex for 14 days after start of treatment and until symptoms have resolved. ^{11A-,12A+}					

Infection	Key points	Medicine	Doses	Child	Length	Visual
Vaginal	All topical and oral azoles give over 80%	Clotrimazole ^{1A+,5D} OR	Adult 500mg pessary ^{1A+}	Child	Stat ^{1A+}	summary
candidiasis	cure. ^{1A+,2A+}	fenticonazole ^{1A+} OR	600mg pessary ^{1A+}		Stat ^{1A+}	
	Pregnant: avoid oral azoles, the 7 day courses	clotrimazole ^{1A+} OR	100mg pessary ^{1A+}		6 nights ^{1A+}	Not available.
Public Health	are more effective than shorter ones. 1A+,3D,4A+ Recurrent (>4 episodes per year): 1A+ 150mg oral fluconazole every 72 hours for 3 doses induction 1A+ followed by 1 dose once a week for	oral fluconazole ^{1A+,3D}	150mg ^{1A+,3D}		Stat ^{1A+}	Access supporting
England Last updated: Oct 2018		If recurrent: fluconazole (induction/maintenance) ^{1A+}	150mg every 72 hours THEN 150mg once a week ^{1A+,3D}	-	3 doses 6 months ^{1A+}	evidence and rationales on the PHE website
Bacterial vaginosis	Oral metronidazole is as effective as topical treatment, 1A+ and is cheaper. 2D 7 days results in fewer relapses than 2g stat at	oral metronidazole ^{1A+,3A+} OR	400mg BD ^{1A+,3A+} OR 2000mg ^{1A+,2D}		7 days¹A+ OR Stat²D	Not available. Access supporting
Public Health England	— 40 40 110 1 24 40 1	metronidazole 0.75% vaginal gel ^{1A+,2D,3A+} OR	5g applicator at night ^{1A+,2D,3A+}	_	5 nights ^{1A+,2D,3A+}	evidence and rationales on the PHE
Last updated: Nov 2017	Treating partiers does not reduce relapse.	clindamycin 2% cream ^{1A+,2D}	5g applicator at night ^{1A+,2D}		7 nights ^{1A+,2D,3A+}	website
Genital herpes	Advise : saline bathing, 1A+ analgesia, 1A+ or	oral aciclovir ^{1A+,2D,3A+,4A+}	400mg TDS ^{1A+,3A+}		5 days ^{1A+}	
Public Health	topical lidocaine for pain, 1A+ and discuss transmission. 1A+	OR	800mg TDS (if recurrent) ^{1A+}		2 days ^{1A+}	Not available. Access
England	First episode : treat within 5 days if new lesions or systemic symptoms, ^{1A+,2D} and refer to GUM. ^{2D}	valaciclovir ^{1A+,3A+,4A+} OR	500mg BD ^{1A+}		5 days ^{1A+}	supporting evidence and
	Recurrent: self-care if mild, ^{2D} or immediate	famciclovir1A+,4A+	250mg TD ^{1A+}	- -	5 days ^{1A+}	rationales on
Last updated: Nov 2017	short course antiviral treatment, ^{1A+,2D} or suppressive therapy if more than 6 episodes per year. ^{1A+,2D}		1000mg BD (if recurrent) ^{1A+}		1 day ^{1A+}	the <u>PHE</u> <u>website</u>
Gonorrhoea	Antibiotic resistance is now very high. 1D,2D	ceftriaxone ^{2D} OR	1000mg IM ^{2D}			
Public Health England	Use IM ceftriaxone if susceptibility not known prior to treatment ^{2D} .				Stat ^{2D}	Not available. Access
Last updated: Feb 2019	Use Ciprofloxacin only If susceptibility is known prior to treatment and the isolate is sensitive to ciprofloxacin at all sites of infection ^{1D,2D} Refer to GUM. ^{3B-} Test of cure is essential. ^{2D}	ciprofloxacin ^{2D} (only if known to be sensitive)	500mg ^{2D}	-	Stat ^{2D}	supporting evidence and rationales on the <u>PHE</u> website

Infantion	Voy points	Madiaina	Doses		I a sa aséla	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Trichomoniasis	Oral treatment needed as extravaginal infection	metronidazole ^{1A+,2A+,3D,6A+}	400mg BD ^{1A+,6A+}		5 to 7 day ^{1A+}	Not available.
Public Health	common. ^{1D} Treat partners, ^{1D} and refer to GUM for other		2g (more adverse effects) ^{6A+}		Stat ^{1A+,6A+}	Access supporting evidence and rationales on the PHE website
England Last updated: Nov 2017	STIs. ^{1D} Pregnant/breastfeeding : avoid 2g single dose metronidazole; ^{2A+,3D} clotrimazole for symptom relief (not cure) if metronidazole declined. ^{2A+,4A-} ,5D	Pregnancy to treat symptoms: clotrimazole ^{2A+,4A-,5D}	100mg pessary at night ^{5D}	-	6 nights ^{5D}	
Pelvic inflammatory	Refer women and sexual contacts to GUM. ^{1A+} Raised CRP supports diagnosis, absent pus	First line therapy: ceftriaxone ^{1A+,3C,4C} PLUS	1000mg IM ^{1A+,3C}		Stat ^{1A+,3C}	
disease	cells in HVS smear good negative predictive	metronidazole ^{1A+,5A+} PLUS	400mg BD ^{1A+}	-	14 days ^{1A+}	
	value. ^{1A+}	doxycycline ^{1A+,5A+}	100mg BD ^{1A+}		14 days ^{1A+}	Not available.
Public Health	Exclude : ectopic pregnancy, appendicitis, endometriosis, UTI, irritable bowel, complicated	Second line therapy: metronidazole ^{1A+,5A+} PLUS	400mg BD ^{1A+}	- -	14 days ^{1A+}	Access supporting evidence and
England	ovarian cyst, functional pain. Moxifloxacin has greater activity against likely pathogens, but always test for gonorrhoea,	ofloxacin ^{1A+,2A-,5A+} OR	400mg BD ^{1A+,2A-}		14 days ^{1A+}	rationales on the <u>PHE</u> <u>website</u>
Last updated:	chlamydia, and <i>M. genitalium</i> . ^{1A+}	moxifloxacin alone ^{1A+}	400mg OD ^{1A+}	1		
Feb 2019	If M. genitalium tests positive use moxifloxacin. 1A+	(first line for <i>M. genitalium</i> associated PID)			14 days ^{1A+}	
▼ Skin and s	oft tissue infections		<u>'</u>			
Note: Refer to RCC	<u> SP Skin Infections</u> online training. ^{1D} For MRSA, discuss t	herapy with microbiologist.1D				
Cold sores	Most resolve after 5 days without treatment.1A-	^{-,2A-} Topical antivirals applied p	prodromally can reduc	e duratior	n by 12 to 18 hours.	1A-,2A-,3A-
Public Health England Last updated: Nov 2017	If frequent, severe, and predictable triggers: conductable trigger		aciclovir 400mg, twice	e daily, for	⁻ 5 to 7 days. ^{5A+,6A+}	
PVL-SA	Panton-Valentine leukocidin (PVL) is a toxin prod	uced by 20.8 to 46% of S. aur	eus from boils/absces	ses. 1B+,2B-	+,3B- PVL strains are	rare in healthy
Public Health	people, but severe. 2B+	222 2, 20.0 to 10.0 of 0. du i	2.2 2 20, 4		. V Z Garanio di O	. a. a in mounty
England	Suppression therapy should only be started after Risk factors for PVL: recurrent skin infections; ^{2B}	tinvasive infections; ^{2B+} MSM;	^{3B-} if there is more tha			e community ^{2B+,3B-}
Last updated: Nov 2017	(school children; ^{3B-} military personnel; ^{3B-} nursing haccess the supporting evidence and rationales or		contacts). ^{3B-}			-

Infection	Koy pointo	Medicine	Doses		Length	Visual
mection	Key points	Wiedicine	Adult	Child	Lengin	summary
Eczema (bacterial infection)	Manage underlying eczema and flares with treatments such as emollients and topical corticosteroids, whether antibiotics are given or not.	If not systemically unwell, antibiotic Topical antibiotic (if a topi		_		
NICE	Symptoms and signs of secondary bacterial infection can include: weeping, pustules, crusts, no response to treatment, rapidly worsening eczema, fever and malaise.	only: First choice: fusidic acid 2%	TDS		5 to 7 days	-
Public Health	Not all flares are caused by a bacterial infection, so will not respond to antibiotics.	Oral antibiotic: First choice: flucloxacillin	500mg QDS			
England	Eczema is often colonised with bacteria but may not be clinically infected.	Penicillin allergy or flucloxacillin unsuitable:	250mg BD (can be increased to	No. of Account of the Control of the		
Last updated: Mar 2021	Do not routingly take a ckin cwah	clarithromycin OR	500mg BD for severe infections)	Construction of Management of American State of	5 to 7 days	Security (A and Definition of the chair private) WET (1970) (1970
	Do not routinely offer either a topical or oral antibiotic.	erythromycin (if macrolide needed in pregnancy;	250mg to 500mg QDS			The state of the s
	If an antibiotic is offered, when choosing 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.	consider benefit/harm)				
	Systemically unwell:	If MRSA suspected or con	firmed – consult loca	al microb	oiologist	
	Offer an oral antibiotic.					
	If there are symptoms or signs of cellulitis, see <u>cellulitis and erysipelas</u> .					
	For detailed information click on the visual summary.					

lufo eti e u	Kov pointo	Madiaina	Doses	Doses		Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Impetigo	Localised non-bullous impetigo:	Topical antiseptic:		mady attentionability affective		
	Hydrogen peroxide 1% cream (other topical antiseptics are available but no evidence for	hydrogen peroxide 1%	BD or TDS		5 days*	
	impetigo).	Topical antibiotic:				
NICE	If hydrogen peroxide unsuitable or ineffective, short-course topical antibiotic.	First choice: fusidic acid 2%	TDS			
Dodelia II.a alda	Widespread non-bullous impetigo:	Fusidic acid resistance	TDS		5 days*	
Public Health England	Short-course topical or oral antibiotic.	suspected or confirmed:				
Lingiana	Take account of person's preferences,	mupirocin 2%				
	practicalities of administration, previous use of	Oral antibiotic:		•		Imperiges antimiorability prescribing Hickmann.
Last updated: Feb 2020	repeated use, and local antimicrobial resistance	First choice: flucloxacillin	500mg QDS			The state of the s
		Penicillin allergy or	250mg BD			STATE AND ADDRESS
		flucloxacillin unsuitable: clarithromycin OR		andy discounting the control of the	5 days*	
	Short-course oral antibiotic.	erythromycin (if macrolide	250 to 500mg QDS			
	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	firmed – consult lo	cal microl	piologist	
	For detailed information click on the visual summary.				•	
Mastitis	S. aureus is the most common infecting	flucloxacillin ^{2D}	500mg QDS ^{2D}			Not available.
Public Health	pathogen. ^{1D} Suspect if woman has: a painful breast; ^{2D} fever and/or general malaise; ^{2D} a tender, red breast. ^{2D}	Penicillin allergy: erythromycin ^{2D} OR	250mg to 500mg QDS ^{2D}			Access supporting
England	Breastfeeding: oral antibiotics are appropriate,	clarithromycin ^{2D}	500mg BD ^{2D}	-	10 to 14 days ^{2D}	evidence and rationales on
Last updated:	where indicated. ^{2D,3A+} Women should continue					the <u>PHE</u> website
Nov 2017	feeding, ^{1D,2D} including from the affected breast. ^{2D}					<u></u>

Infaction	Voy nainte	Madiaina	Doses		Lawath	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Tick bites (Lyme	Treatment : Treat erythema migrans empirically; serology is often negative early in	Treatment: doxycycline ^{1D}	100mg BD ^{1D}	BNF for children		Not available. Access
disease) Public Health England Last updated: Feb 2020	infection. ^{1D} For other suspected Lyme disease such as neuroborreliosis (CN palsy, radiculopathy) seek advice. ^{1D}	Alternative: amoxicillin ^{1D}	1,000mg TDS ^{1D}	BNF for children	21 days¹D	supporting evidence and rationales on the PHE website
Scabies	from ear/chin downwards, 1D,2D and under	permethrin ^{1D,2D,3A+}	5% cream ^{1D,2D}	BNF for children		Not available.
Public Health England Last updated: Oct 2018	nails. ^{1D,2D} If using permethrin and patient is under 2 years, elderly or immunosuppressed, or if treating with malathion : also treat face and scalp. ^{1D,2D}	Permethrin allergy: malathion ^{1D}	0.5% aqueous liquid ^{1D}	BNF for children	2 applications, 1 week apart ¹⁰	Access supporting evidence and rationales on the PHE website
	Home/sexual contacts: treat within 24 hours. ^{1D}					
Insect bites and stings	Most insect bites or stings will not need antibiotics.					NOT THE PROPERTY OF THE PROPER
Public Health England Last updated: Sep 2020	Do not offer an antibiotic if there are no symptoms or signs of infection. If there are symptoms or signs of infection, see cellulitis and erysipelas.	-	-	-	-	
Leg ulcer	Manage any underlying conditions to promote	First-choice:		II.		
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)		7.1	The desiration of the contract
Public Health	bacteria.	clarithromycin OR	500mg BD	-	7 days	Constitution of the consti
England	When prescribing antibiotics, take account of severity, risk of complications and previous antibiotic use.	erythromycin (if macrolide needed in pregnancy; consider benefit/harm)	500mg QDS			Comment of the commen
Last updated:	For detailed information click on the visual	Second choice:				
Feb 2020	summary.	co-amoxiclav OR	500/125mg TDS			
	Summary.	co-trimoxazole (in penicillin allergy)	960mg BD	-	7 days	
		For antibiotic choices if se		RSA susp	ected or	
confirmed, click on the visual summary						

Infection	Key points	Medicine	Doses		Length	Visual
mection		Wiedicine	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	Maria de la compansa	5 to 7 days*	
	Consider marking extent of infection with a	Penicillin allergy or if fluci	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			
Public Health	microbiological results and MRSA status. Infection around eyes or nose is more	doxycycline (adults only)	200mg on day 1,		5 to 7 days*	
England		OR	then 100mg OD	_		Orbifo end very priors of Protectful preventing MICE consists
Lilgianu	concerning because of serious intracranial	co-amoxiclav (children	-	Marin and the second		Section 2 and 2 an
	complications.	only: not in penicillin		80 P		The second secon
	*A longer course (up to 14 days in total) may be	allergy)		Bar Mills		Control of the second of the s
Last updated:	needed but skin takes time to return to normal,	If infection near eyes or no				
Sept 2019	and full resolution at 5 to 7 days is not expected.	co-amoxiclav	500/125mg TDS		7 days*	
	Do not routinely offer antibiotics to prevent	If the face of the same and the		No. 1000	, -	-
	recurrent cellulitis or erysipelas.	If infection near eyes or no		<u>y):</u>	1	-
	For detailed information click on the visual	clarithromycin AND	500mg BD			
	summary.	metronidazole (only add in	400mg TDS		7 days*	
	- Carrinally	children if anaerobes		Design Administration	, days	
		suspected)				
		For alternative choice anti confirmed MRSA infection				

Infection	Koy nointo	Medicine	Doses		Length	Visual summary
iniection	Key points	Medicine	Adult	Child		
Diabetic foot	In diabetes, all foot wounds are likely to be	Mild infection: first choice				
infection	colonised with bacteria. Diabetic foot infection	flucloxacillin	500mg to 1g QDS	-	7 days*	
	has at least 2 of: local swelling or induration; erythema; local tenderness or pain; local	Mild infection (penicillin a	llergy):	•		
	warmth; purulent discharge.	clarithromycin OR	500mg BD			
NICE		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*	
Public Health England Last updated:	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)		l days	
Oct 2019	Severe : local infection with signs of a systemic inflammatory response.	For antibiotic choices for Pseudomonas aeruginosa	Editor has before community NC 5-11/4 a			
	Start antibiotic treatment as soon as possible.	antibiotics click on the vis				
	Take samples for microbiological testing before, or as close as possible to, the start of treatment		The second secon			
	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	Key points	Wedicine	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> <u>guideline on</u> 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	BNF for children		
			lymecycline 408mg OD OR doxycycline 100mg OD	SNF for children		

Infaction	Voy points	Madiaina	Doses		l a sa sitla	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
		topical azelaic acid AND either oral lymecycline or oral doxycycline (for	15% or 20% azelaic acid BD AND	BNF for children		
		moderate to severe acne, not in under 12s)	lymecycline 408mg OD OR	BNF		
			doxycycline 100mg OD	for children		
		Alternative: topical benzoyl peroxide	5% benzoyl peroxide OD to BD	BMF for children		
Dermatophyte infection: skin	Most cases: use terbinafine as fungicidal, treatment time shorter and more effective than with fungistatic imidazoles or	topical terbinafine ^{3A+,4D} OR	1% OD to BD ^{2A+}	BMF for children	1 to 4 weeks ^{3A+}	Not available.
Public Health England	undecenoates. ^{1D,2A+} ·If candida possible, use imidazole. ^{4D}	topical imidazole ^{2A+,3A+}	1% OD to BD ^{2A+}	BNF for children		Access supporting evidence and
Last updated: Feb 2019	If intractable, or scalp: send skin scrapings, 1D and if infection confirmed: use oral terbinafine 1D, 3A+, 4D or itraconazole. 2A+, 3A+, 5D	Alternative in athlete's foot: topical undecenoates2A+ (such as Mycota®)2A+	OD to BD ^{2A+}	BNF for children	4 to 6 weeks ^{2A+,3A+}	rationales on the <u>PHE</u> <u>website</u>
	Scalp : oral therapy, ^{6D} and discuss with specialist. ^{1D}	,				
Dermatophyte infection: nail	Take nail clippings ; ^{1D} start therapy only if infection is confirmed. ^{1D} Oral terbinafine is more effective than oral azole. ^{1D,2A+,3A+,4D} Liver reactions 0.1 to 1% with oral antifungals. ^{3A+} If candida or non-dermatophyte infection is	First line: terbinafine ^{1D,2A+,3A+,4D,6D}	250mg OD ^{1D,2A+,6D}	BMF for children	Fingers: 6 weeks ^{1D,6D} Toes: 12 weeks ^{1D,6D}	Not available. Access
Public Health England	candida of non-dermatophyte infection is confirmed, use oral itraconazole. 1D,3A+,4D Topical nail lacquer is not as effective. 1D,5A+,6D	Second line: itraconazole ^{1D,3A+,4D,6D}	200mg BD ^{1D,4D}	BNF	1 week a month ^{1D} Fingers:	supporting evidence and rationales on
Last updated: Oct 2018	To prevent recurrence : apply weekly 1% topical antifungal cream to entire toe area. 6D			for children	2 courses ^{1D} Toes: 3 courses ^{1D}	the <u>PHE</u> <u>website</u>
30.2010	Children: seek specialist advice.4D	Stop treatment when continu	ual, new, healthy, prox	imal nail	growth. ^{6D}	

ludo eti e u	Vou nointe	Madiaina	Doses		l avantla	Visual
Infection	Key points	Medicine	Adult	Child	Length	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	Ange Sagadage Silva	3 days for	
	as increased pain, inflammation, fever, discharge or an unpleasant smell. Take a swab		500/125mg TDS		prophylaxis	
NICE	for microbiological testing if there is discharge (purulent or non-purulent) from the wound.				5 days for treatment*	
	Do not offer antibiotic prophylaxis if a human or animal bite has not broken the skin.	Penicillin allergy or co-an doxycycline AND	200mg on day 1,		0.1	-
Public Health	Human bite:		then 100mg or	Sergio fires obique difference de la constanta	3 days for prophylaxis	
England	Offer antibiotic prophylaxis if the human bite has		200mg daily	With the second control of the second contro	5 days for	
	broken the skin and drawn blood.	metronidazole	400mg TDS		treatment*	
	Consider antibiotic prophylaxis if the human bite	seek specialist advice in				
Last updated: Nov 2020	has broken the skin but not drawn blood if it is in a high-risk area or person at high risk.	IV antibiotics (click on visu	ial summary)			
	Cat bite:					
	Offer antibiotic prophylaxis if the cat bite has broken the skin and drawn blood.					Acceptance of the control of the con
	Consider antibiotic prophylaxis if the cat bite has 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	21 III I	Length	Visual
Varicella zoster/ chickenpox	Pregnant/immunocompromised/ neonate: seek urgent specialist advice. 1D Chickenpox: consider aciclovir 2A+,3A+,4D if: onset of rash <24 hours, 3A+ and 1 of the following:	First line for chicken pox and shingles: aciclovir ^{3A+,7A+,10A+,13B+,14A-} ,15A+	Adult 800mg 5 times daily ^{16A-}	Child BMF for children		summary
Herpes zoster/ shingles	>14 years of age; ^{4D} severe pain; ^{4D} dense/oral rash;4D, ^{5B+} taking steroids; ^{4D} smoker. ^{4D,5B+} Give paracetamol for pain relief. ^{6C} Shingles : treat if >50 years ^{7A+,8D} (PHN rare if	Second line for shingles if poor compliance: not for children: famciclovir8D,14A-, 16A- OR	250mg to 500mg TDS ^{15A+} OR 750mg BD ^{15A+}	-		Not available.
Public Health England Last updated: Oct 2018	<50 years) ^{9B+} and within 72 hours of rash, ^{10A+} or if 1 of the following: active ophthalmic; ^{11D} Ramsey Hunt; ^{4D} eczema; ^{4D} non-truncal involvement; ^{8D} moderate or severe pain; ^{8D} moderate or severe rash. ^{5B+,8D} Shingles treatment if not within 72 hours: consider starting antiviral drug up to 1 week after rash onset, ^{12B+} if high risk of severe shingles ^{12B+} or continued vesicle formation; ^{4D} older age; ^{7A+,8D,12B+} immunocompromised; ^{4D} or severe	valaciclovir ^{8D,10A+,14A-}	1g TDS ^{14A} -	BNF for children	7 days ^{14A-,16A-}	supporting evidence and rationales on the <u>PHE</u> <u>website</u>
▼ Eye infecti	pain. ^{7D,11B+}					
Conjunctivitis Public Health England Last updated: July 2019	First line: bath/clean eyelids with cotton wool dipped in sterile saline or boiled (cooled) water, to remove crusting. Treat only if severe, 2A+ as most cases are viral 3D or self-limiting. 2A+ Bacterial conjunctivitis: usually unilateral and also self-limiting. 2A+,3D It is characterised by red eye with mucopurulent, not watery discharge. Description 3D and 74% resolve on placebo by days 5 and 7.4A-,5A+ Third line: fusidic acid as it has less Gram-negative activity. 6A-,7D	Second line: chloramphenicol ^{1D,2A+,4A-} ,5A+ 0.5% eye drop ^{1D,2A+} OR 1% ointment ^{1D,5A+}	Eye drops: 2 hourly for 2 days, 1D,2A+ then reduce frequency 1D to 3 to 4 times daily. 1D Eye ointment: 3 to 4 times daily or once daily at night if using antibiotic eye drops during the day. 1D	BNF for children	48 hours after resolution ^{2A+,7D}	Not available. Access supporting evidence and rationales on the PHE website
		Third line: fusidic acid 1% gel ^{2A+,5A+,6A-}	BD ^{1D,7D}	BNF for children		

Infection	Key points	Medicine	Doses		Longth	Visual
		Wedicine	Adult	Child	Length	summary
Blepharitis Public Health	First line : lid hygiene ^{1D,2A+} for symptom control, ^{1D} including: warm compresses; ^{1D,2A+} lid massage and scrubs; ^{1D} gentle washing; ^{1D}	Second line: topical chloramphenicol ^{1D,2A+,3A-}	1% ointment BD ^{2A+,3D}	BNF for children	6-week trial ^{3D}	Not available. Access
England Last updated:	avoiding cosmetics. ^{1D} Second line : topical antibiotics if hygiene measures are ineffective after 2 weeks. ^{1D,3A+}	Third line: oral oxytetracycline ^{1D,3D} OR	500mg BD ^{3D} 250mg BD ^{3D}	BNF for children	4 weeks (initial) ^{3D} 8 weeks (maint) ^{3D}	supporting evidence and rationales on the PHE
Nov 2017	Signs of meibomian gland dysfunction, ^{3D} or acne rosacea: ^{3D} consider oral antibiotics. ^{1D}	oral doxycycline ^{1D,2A+,3D}	100mg OD ^{3D} 50mg OD ^{3D}	BNF for children	4 weeks (initial) ^{3D} 8 weeks (maint) ^{3D}	<u>website</u>

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

Derived from the Scottish Dental Clinical Effectiveness Programme (SDCEP) 2013 Guidelines. 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.

Note: Antibiotics do not cure toothache. 1D First-line treatment is with paracetamol 1D and/or ibuprofen; 1D codeine is not effective for toothache. 1D

Mucosal ulceration and inflammation (simple gingivitis) Public Health	Temporary pain and swelling relief can be attained with saline mouthwash (½ tsp salt in warm water) ^{1D} . Use antiseptic mouthwash if more severe, ^{1D} and if pain limits oral hygiene to treat or prevent secondary infection. ^{1D,2A-} The primary cause for mucosal ulceration or inflammation (aphthous ulcers; ^{1D} oral lichen	Chlorhexidine 0.12 to 0.2% ^{1D, 2A-,3A+,4A+} (do not use within 30 minutes of toothpaste) ^{1D} OR	1 minute BD with 10 ml ^{1D}	BNF for children	Always spit out after use. ^{1D} Use until lesions resolve ^{1D} or	Not available. Access supporting evidence and rationales on
England Last updated: Nov 2017	planus; ^{1D} herpes simplex infection; ^{1D} oral cancer) ^{1D} needs to be evaluated and treated. ^{1D}	hydrogen peroxide 6% ^{5A-} ^{1D}	2 to 3 minutes BD/TDS with 15ml in ½ glass warm water ^{1D}	BMF for children	less pain allows for oral hygiene ^{1D}	the PHE website
Acute necrotising ulcerative gingivitis	Refer to dentist for scaling and hygiene advice. 1D,2D Antiseptic mouthwash if pain limits oral hygiene. 1D	chlorhexidine 0.12 to 0.2% (do not use within 30 minutes of toothpaste) ^{1D} OR	1 minute BD with 10ml ^{1D}	SNF for children	Until pain allows	Not available. Access
Public Health England Last updated:	Commence metronidazole if systemic signs and symptoms. 1D,2D,3B-,4B+,5A-	hydrogen peroxide 6% ^{1D}	2 to 3 minutes BD/TDS with 15ml in ½ glass warm water	BNF for children	for oral hygiene ^{6D}	supporting evidence and rationales on the <u>PHE</u> website
Nov 2017		metronidazole ^{1D,3B-,4B+,5A-}	400mg TDS ^{1D,2D}	BNF for children	3 days ^{1D,2D}	

Infection	Key points	Medicine	Doses		Length	Visual
intection			Adult	Child	Lengui	summary
Pericoronitis	Refer to dentist for irrigation and debridement. ^{1D} If persistent swelling or systemic symptoms, ^{1D}	metronidazole ^{1D,2A+,3B+} OR	400mg TDS ^{1D}	BNF for children	3 days ^{1D,2A+}	
D. I. I. III	use metronidazole ^{1D,2A+,3B+} or amoxicillin. ^{1D,3B+} Use antiseptic mouthwash if pain and trismus	amoxicillin ^{1D,3B+}	500mg TDS ^{1D}	BNF for children	3 days¹D	Not available. Access
Public Health England	limit oral hygiene. ^{1D}	chlorhexidine 0.2% (do not use within 30 minutes of toothpaste) ^{1D} OR	1 minute BD with 10ml ^{1D}	BNF for children	Until less pain allows for oral	supporting evidence and rationales on the <u>PHE</u> website
Last updated: Nov 2017		hydrogen peroxide 6% ^{1D}	2 to 3 minutes BD/TDS with 15ml in ½ glass warm water¹D	BMF for children		
Dental abscess Public Health England	Regular analgesia should be the first option 1A+ untabscesses are not appropriate. 1A+,4A+ Repeated at Antibiotics are only recommended if there are sign with severe odontogenic infections (cellulitis, 1A+,3A+ referred urgently for hospital admission to protect cephalosporins, 6D co-amoxiclav, 6D clarithromycin, 6D used if there is no response to first-line drugs. 6D	ntibiotics alone, without draina ns of severe infection, ^{3A+} syste † plus signs of sepsis; ^{3A+,4A+} di airway,6D for surgical drainag	ge, are ineffective in permic symptoms, 1A+,2B-,4 fficulty in swallowing; ge3A+ and for IV antib	oreventing ^{4A+} or a hi ^{BD} impend biotics. ^{3A+}	g the spread of infection gh risk of complication ing airway obstruction The empirical use of	on. ^{1A+,5C} ns. ^{1A+} Patients n)6D should be
	If pus is present, refer for drainage, 1A+,2B- tooth extraction, 2B- or root canal.2B-	amoxicillin ^{6D,8B+,9C,10B+} OR	500mg to 1000mg TDS ^{6D}	BNF for children		Not available.
Last updated: Oct 2018	Send pus for investigation. ^{1A+} If spreading infection ^{1A+} (lymph node	phenoxymethylpenicillin ^{11B} -	500mg to 1000mg QDS ^{6D}	BNF for children	Up to 5 days;	Access supporting
	involvement ^{1A+,4A+} or systemic signs, ^{1A+,2B-,4A+} that is, fever ^{1A+} or malaise) ^{4A+} ADD	metronidazole ^{6D,8B+,9C}	400mg TDS ^{6D}	BNF for children	^{6D,10B+} review at 3 days ^{9C,10B+}	evidence and rationales on the PHE website
	metronidazole. 6D,7B+ Use clarithromycin in true penicillin allergy 6D and, if severe, refer to hospital. 3A+,6D	Penicillin allergy: clarithromycin ^{6D}	500mg BD ^{6D}	BNF for children		

▼ 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.