





Summary of antimicrobial prescribing guidance – managing common infections with local amendments for Cambridgeshire and Peterborough CCG August 2021

- 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	<u>UTI</u>	<u>Meningitis</u>	<u>GI</u>	<u>Genital</u>	<u>Skin</u>	<u>Eye</u>	<u>Dental</u>
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Infection	Key points	Medicine	Doses		Length	Visual
miection	ney points	Wealthie	Adult	Child	Lengui	summary
▼ Upper resp	iratory tract infections					
Acute sore throat	Advise paracetamol, or if preferred and suitable, ibuprofen for pain. Medicated lozenges may help pain in adults. Use FeverPAIN or Centor to assess symptoms:	First choice: phenoxymethylpenicillin	500mg QDS or 1000mg BD		5 days *Can increase to 10 days if recurrent infection	
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.	Penicillin allergy: clarithromycin OR erythromycin (preferred if pregnant)	250mg to 500mg BD 250mg to 500mg QDS or	The second secon	5 days	
Public Health England	Systemically very unwell or high risk of complications: immediate antibiotic.	program,	500mg to 1000mg	Section Continues record and a Mile Continues and Co		- The second sec
Last updated: Jan 2018	*5 days of phenoxymethylpenicillin may be enough for symptomatic cure; In situations where there is recurrent infection, a 10-day course may increase the likelihood of microbiological cure. For detailed information click the visual summary icon.					

Infection	Key points	Medicine	Doses		Length	Visual	
micotion	Rey points	Micalonic	Adult	Child	Longin	summary	
Influenza Public Health	Annual vaccination is essential for all those 'at I Treat 'at risk' patients with 5 days oseltamivir 75mg for zanamivir treatment in children), 1D,3D or in a care	BD,1D when influenza is circula	ating in the community			onset (36 hours	
England Last updated: Feb 2019	At risk: pregnant (and up to 2 weeks post-partum); asthma); significant cardiovascular disease (not hyper mellitus; morbid obesity (BMI>40). 4D See the PHE I oseltamivir resistance, use zanamivir 10mg BD5A+,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6	pertension); severe immunosup nfluenza guidance for the treat http://doi.org/10.100/2019 organization twice daily by organization	ppression; chronic neu ment of patients unde	ırological, i r 13 years.	renal or liver disease . ^{4D} In severe immuno	diabetes	
Scarlet fever (GAS)	Prompt treatment with appropriate antibiotics	Phenoxymethylpenicillin ^{2D}	500mg QDS ^{2D}	BNF for children	10 days ^{3A+,4A+,5A+}	Not available.	
Public Health England	comorbid, or those with skin disease) are at	Penicillin allergy: clarithromycin ^{2D}	250mg to 500mg BD ^{2D}	BNF for children	5 days ^{2D,5A+}	supporting evidence and rationales on the	
Last updated: Oct 2018	increased risk of developing complications. ^{1D} Optimise analgesia ^{2D} and give safety netting advice						
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 to .	Otto meda kratek zethekrabki svezrikini suzi	
NICE	Otorrhoea or under 2 years with infection in both ears: no, back-up or immediate antibiotic.	erythromycin (preferred if pregnant)	-	The second secon	5 to 7 days	The state of the	
Public Health England	Otherwise: no or back-up antibiotic.	Second choice		and the contract of the first of the contract of the first of the contract of the first of the contract of the	5 to 7 days	The state of the s	
Last updated: Feb 2018	Systemically very unwell or high risk of complications: immediate antibiotic.	(worsening symptoms on 1 st choice after 2-3 days):	-				
	For detailed information click on the visual summary.	co-amoxiclav					
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 2% ^{2D,4B-} OR	1 spray TDS ^{5A-}	BNF for children	7 days ^{5A}		
Public Health England	Second line: topical acetic acid or topical antibiotic +/- steroid: similar cure at	topical neomycin sulphate with corticosteroid ^{2D,5A} -			7 days (min) to	Not available. Access	
Last updated: Nov 2017	7 days. ^{2D,3A+,4B-} If cellulitis or disease extends outside ear canal, or systemic signs of infection, start oral	(consider safety issues if perforated tympanic membrane) ^{6B-}	3 drops TDS ^{5A-}	for children	14 days (max) ^{3A+}	supporting evidence and rationales on the PHE website	
	flucloxacillin and refer to exclude malignant otitis externa. ^{1D}	If cellulitis: flucloxacillin ^{7B+}	250mg QDS ^{2D} If severe: 500mg QDS ^{2D}	BNF for children	7 days ^{2D}		

Infection	Key points	Medicine	Doses		Length	Visual
IIIIection	Key points	Medicine	Adult	Child	Lengui	summary
Sinusitis	Advise paracetamol or ibuprofen for pain. Little	First choice: phenoxymethylpenicillin	500mg QDS		5 days	
NICE	evidence that nasal saline or nasal decongestants help, but people may want to try them. Symptoms for 10 days or less: no antibiotic.	Penicillin allergy: doxycycline (not in under 12s) OR	200mg on day 1, then 100mg OD			
11102	Symptoms with no improvement for more than	clarithromycin OR	500mg BD		5 days	Sinualth (scatte), anti-nicrobial prescribing NKE
Public Health England	10 days: no antibiotic or back-up antibiotic depending on likelihood of bacterial cause. Consider high-dose nasal corticosteroid (if over	erythromycin (preferred if pregnant)	250 to 500mg QDS or 500 to 1000mg BD	We are already to the control of the		
Last updated: Oct 2017	12 years). Systemically very unwell or high risk of complications: immediate antibiotic. For detailed information click on the visual summary.	Second choice or first choice if systemically very unwell or high risk of complications: co-amoxiclav	500/125mg TDS		5 days	
▼ Lower resp	piratory tract infections					
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 symptoms (particularly sputum colour changes and increases in volume or	First choice: doxycycline OR	200mg on day 1, then 100mg OD (see BNF for severe infection)	-	5 days	
	thickness), need for hospitalisation, previous	clarithromycin	500mg BD	-		COPO Jacute exacerbation); antinicrobial prescribing NICE (COPO)
NICE	exacerbations, hospitalisations and risk of complications, previous sputum culture and	Second choice: use alterna	tive first choice			Company Comp
Public Health England	susceptibility results, and risk of resistance with repeated courses. Some people at risk of exacerbations may have antibiotics to keep at home as part of their	Alternative choice (if person at higher risk of treatment failure): co-amoxiclav OR	500/125mg TDS	-	5 days	The state of the s
Last updated: Dec 2018	exacerbation action plan. For detailed information click on the visual summary. See also the NICE guideline on COPD in over 16s.	Consult with microbiology/Specialist			_ 5 50,0	

Infaction	Koy points	Medicine	Doses		Longth	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Acute exacerbation of	Send a sputum sample for culture and susceptibility testing.	First choice empirical treatment:	500mg TDC			
bronchiectasis (non-cystic fibrosis)	Offer an antibiotic.	amoxicillin (preferred if pregnant) OR	500mg TDS			
indiosis)	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 who've had repeated	doxycycline (not in under 12s) OR	200mg on day 1, then 100mg OD		7 to 14 days	
	courses of antibiotics, a previous sputum culture	clarithromycin	500mg BD	PROTECTION OF THE PROTECTION O		
NICE	with resistant or atypical bacteria, or a higher risk of developing complications.	Alternative choice (if person at higher risk of treatment failure)	500/405 v. TD0	and the second		
		empirical treatment:	500/125mg TDS		7 to 14 days	
Public Health England						Broadways (note constanting artificinal awarding MCL) (1970)
g.aa	Do not routinely offer antibiotic prophylaxis to	Consult with Specialist				
	prevent exacerbations.		•		•	The state of the s
Last updated: Dec 2018	Consider a trial of mucoactive treatment in patients with bronchiectasis who have difficulty in sputum expectoration. If carbocysteine is prescribed, a 6month trial should be given and continued if there is ongoing clinical benefit.					
	BTS 2019 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.	When current susceptibility data available: choose antibiotics accordingly				
	For detailed information click on the visual summary.					

Lateration	Warran Suta	Mar Patrice	Doses		1	Visual
Infection	Key points	Medicine	Adult	Child	Length	summary
Acute cough	Some people may wish to try honey (in over 1s),	Adults first choice:	200mg on day 1,			
Treatment not routinely	the herbal medicine pelargonium (in over 12s), cough medicines containing the expectorant	doxycycline	then 100mg OD	-		
required. Only treat those with a	guaifenesin (in over 12s) or cough medicines containing cough suppressants, except codeine, (in over 12s). These self-care treatments have	Adults alternative first choices:	500mg TDS	-	-	
high risk of complications	limited evidence for the relief of cough symptoms.	amoxicillin (preferred if pregnant) OR			5 days	
or systemically unwell	Acute cough with upper respiratory tract infection: no antibiotic.	clarithromycin OR	250mg to 500mg BD	-		
	Acute bronchitis: no routine antibiotic.		250mg to 500mg			
NICE	Acute cough and higher risk of complications (at face-to-face examination): immediate or back-up antibiotic.	Crytinomyon (profescuoti	QDS or			
11162		pregnant)	500mg to 1000mg BD	-		Cough locutes antimicrobial prescribing wortenmen
	Acute cough and systemically very unwell (at face to face examination): immediate antibiotic.	Children first choice:	-			
Public Health England	Higher risk of complications includes people with	amoxicillin				
Last updated:	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	Children alternative first choices:	-	Section 1 Sectio		The second secon
Feb 2019	previous year, type 1 or 2 diabetes, history of	clarithromycin OR		Value control for the opport		
	congestive heart failure, current use of oral corticosteroids.	erythromycin OR				
	Do not offer a mucolytic, an oral or inhaled bronchodilator, or an oral or inhaled corticosteroid unless otherwise indicated. doxycycline (not in under 12s)	-		5 days		
	For detailed information click on the visual summary. See also the NICE guideline on pneumonia for prescribing antibiotics in adults with acute bronchitis who have had a C-reactive protein (CRP) test (CRP<20mg/l: no routine antibiotic, CRP 20 to 100mg/l: back-up antibiotic, CRP>100mg/l: immediate antibiotic).					

Infection	Key points	Medicine	Doses		Longth	Visual
intection	key points	Wealcine	Adult	Child	Length	summary
During COVID- 19 please refer to; COVID-19 rapid guideline :managing	Assess severity in adults based on clinical judgement guided by mortality risk score (CRB65). See the NICE guideline on pneumonia for full details: low severity – CRB65 0	CRB65 0 First choice (low severity in adults or non-severe in children): amoxicillin	500mg TDS (higher doses can be used, see BNF)			
suspected or confirmed pneumonia in adults in the community	moderate severity – CRB65 1 or 2 Consider hospital assessment high severity – CRB65 3 or 4Urgent Hospital admission	Alternative first choice (low severity in adults or non-severe in children): doxycycline (not in under 12s) OR	200mg on day 1, then 100mg OD		5 days*	
Community-	1 point for each parameter: confusion ,, respiratory rate ≥30/min, low systolic (<90 mm Hg) or diastolic (≤60 mm Hg) blood pressure ,	clarithromycin OR erythromycin (in pregnancy)	500mg BD 500mg QDS			
acquired pneumonia	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	CRB65 1or 2 First choice (moderate severity in adults): amoxicillin AND (if atypical pathogens suspected)	500mg TDS (higher doses can be used, see BNF)	-		Market State of Activities and Community and
Public Health England	hour if sepsis suspected and person meets any high risk criteria – see the NICE guideline on sepsis).	clarithromycin OR erythromycin (in	500mg BD 500mg QDS	-	-	
Last updated: Sept 2019	When choosing an antibiotic, take account of severity, risk of complications, local antimicrobial resistance and surveillance data, recent antibiotic use and microbiological results.	Alternative first choice (moderate severity in adults): doxycycline OR	200mg on day 1, then 100mg OD	-	- 5 days*	
	* 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. See also the NICE guideline on pneumonia.	clarithromycin	500mg BD	-		

Infection	Key points	Medicine	Doses Adult Child	Length	Visual summary
▼ Urinary tra	ct infections				
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. D-mannose and cranberry products should	First choice antibiotic prophylaxis: trimethoprim (avoid in pregnancy) OR	200mg single dose when exposed to a trigger or 100mg at night	-	
	not be taken in pregnancy. No evidence of benefit for cranberry products in older women.	nitrofurantoin (avoid at	100mg single dose when exposed to a	•	
For postmenopausal women, if no improvement, consider vaginal oestrogen (review within 12 months).	term) – if eGFR ≥45 ml/minute	trigger or 50 to 100mg at night	-		
NICE	For non-pregnant women, if no improvement, consider single-dose antibiotic prophylaxis for exposure to a trigger (review within 6 months).	Second choice antibiotic prophylaxis: amoxicillin	500mg single dose when exposed to a		UTI precurrenty archericabled prescribing WCI surface.
Public Health England	For non-pregnant women (if no improvement or no identifiable trigger) or with specialist advice for pregnant women, men, children or young people,	*High resistance so only use where susceptible strains are isolated OR	trigger or 250mg at night	-	Table 1970 Park
	consider a trial of daily antibiotic prophylaxis (review within 6 months).	cefalexin	500mg single dose when exposed to a	-	-
	For detailed information click on the visual summary. See also the NICE guideline on urinary tract infection in under 16s: diagnosis and		trigger or 125mg at night		
Last updated: Oct 2018	management and the Public Health England urinary tract infection: diagnostic tools for primary care.				

Infection	Key points	Medicine	Doses Adult C	Child	Length	Visual summary
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)	100mg m/r BD (or if unavailable 50mg QDS)	-	3 days	
	Pregnant women, men, children or young people: immediate antibiotic. When considering antibiotics, take account of accou	Non-pregnant women second choice: trimethoprim (if low risk of	200	-	3 days	
	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/no resistant strains isolated in the previous 3 months) OR	200mg BD 400mg initial dose,			
	resistance data.	pivmecillinam (a penicillin)	then 200mg TDS	-	3 days	
NICE Public Health	If people have symptoms of pyelonephritis (such as fever) or a complicated UTI, see acute 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	Where previous ESBL isolated or where trimethoprim /nitrofurantoin or pivmecillinam are not suitable Fosfomycin	3g single dose sachet	-	single dose	off basel actions and processing set accom-
England	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	
		Pregnant women second choice: amoxicillin (only if culture results available and susceptible) OR	500mg TDS	-	7 days	
		cefalexin	500mg BD	_	-	
Last updated: Oct 2018		Treatment of asymptomatic nitrofurantoin (avoid at term), susceptibility results				
		Men first choice: nitrofurantoin (if eGFR ≥45 ml/minute) OR	100mg m/r BD (or if unavailable 50mg QDS)	-	7 days	

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
		Trimethoprim(if low risk of resistance/no resistant strains isolated in the previous 3 months) OR	200mg BD	-	7 days	
		pivmecillinam (a penicillin)	400mg initial dose then 200mg TDS	-	7 days	
		Men second choice: consider recent culture and susceptibile		ses basing	antibiotic choice on	
		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:		The second secon	-	
		nitrofurantoin (if eGFR ≥45 ml/minute and not used as first choice) OR	-			
		amoxicillin (only if culture results available and susceptible) OR	-			
		cefalexin	-			

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
Acute pyelonephritis (upper urinary tract)	urinary Offer on 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	
	severity of symptoms, risk of complications, previous urine culture and susceptibility results, previous antibiotic use which may have led to	co-amoxiclav (only if culture results available and susceptible) OR	500/125mg TDS	-	7 to 10 days	
	resistant bacteria and local antimicrobial resistance data. Avoid antibiotics that don't achieve adequate levels in renal tissue, such as nitrofurantoin. 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	trimethoprim (only if culture results available and susceptible) OR	200mg BD	-	14 days	
NICE		ciprofloxacin (consider safety issues)	500mg BD	-	7 days	Personal first located authorized proceeding and a con-
Public Health England		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	
		Children and young people (3 months and over) first choice: cefalexin OR	-	The second secon	-	
Last updated: Oct 2018		co-amoxiclav (only if culture results available and susceptible)	-	Section 2 de la constante de l		

Infection	on Key points Medicine		Doses Adult Child		Length	Visual 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	Non-pregnant women and men first choice if no upper UTI symptoms: nitrofurantoin (if eGFR ≥45	100mg m/r BD (or if unavailable 50mg QDS)	-		
	the catheter if it has been in place for more than 7 days. But do not delay antibiotic treatment. Advise paracetamol for pain. Advise drinking enough fluids to avoid dehydration.	ml/minute) OR trimethoprim (if low risk of resistance/ no resistant strains isolated in the last 3 months) OR	200mg BD	-	7 days	
	Offer an antibiotic for a symptomatic infection. When prescribing antibiotics, take account of severity of symptoms, risk of complications,	amoxicillin (only if culture results available and susceptible)	500mg TDS	-		
NICE	previous urine culture 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	UT batheted aetholoodid procediby were
Public Health England	Do not routinely offer antibiotic prophylaxis to people with a short-term or long-term catheter. For detailed information click on the visual summary. See also the Public Health England urinary tract	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	
	infection: diagnostic tools for primary care.	co-amoxiclav (only if culture results available and susceptible) OR	500/125mg TDS	_		
Last updated: Nov 2018		trimethoprim (only if culture results available and susceptible) OR	200mg BD	-	14 days	
1407 2010	NOV 2010	ciprofloxacin (consider safety issues)	500mg BD	-	7 days	
		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	

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
		Children and young people (3 months and over) first choice: trimethoprim (if low risk of resistance) OR	-			
		amoxicillin (only if culture results available and susceptible) OR	-		-	
		cefalexin OR	-			
	re	co-amoxiclav (only if culture results available and susceptible)	-			
Acute prostatitis	Advise paracetamol (+/- low-dose weak opioid) for pain, or ibuprofen if preferred and suitable. Offer antibiotic.	First choice (guided by susceptibilities when available):	500mg BD	-		
NICE	Review antibiotic treatment after 14 days and either stop antibiotics or continue for a further	ciprofloxacin (consider safety issues) OR				
Public Health	14 days if needed (based on assessment of history, symptoms, clinical examination, urine and	ofloxacin (consider safety issues) OR	200mg BD	-	- 14 days then review	Prostatitis (scale) artimisorbolar prostribing Meta unum
England Last updated:	blood tests). For detailed information click on the visual summary.	trimethoprim (if fluoroquinolone not appropriate; seek specialist advice)	200mg BD	-		
Oct 2018		Second choice discuss with specialist				
▼ 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: 300m Child 1 to 9 years: 6 Adult/child 10+ year	00mg ^{5D}	Stat dose; ^{1D} give IM, if vein cannot be accessed ^{1D}	Not available. Access the supporting evidence and rationales on the PHE website

Infection	Key points	Medicine	Doses Adult C	Child _	Length	Visual summary
Prevention of secondary case of meningitis Public Health England	Only prescribe following advice from your local head Out of hours: contact on-call doctor: \$\infty\$01603 481 2 Expert advice is available for managing clusters of Public Health England, Colindale (tel: 0208 200 440)	221 meningitis. Please alert the ap 00)			ster situation.	
Last updated: July 2019	AWARe (all Wales Acute Response team) (tel: 030 Access the supporting evidence and rationales on the Pl					
▼ Gastrointe	estinal tract infections					
Oral candidiasis	Topical azoles are more effective than topical nystatin. 1A+	Miconazole oral gel ^{1A+,4D,5A-}	2.5ml of 24mg/ml QDS (hold in mouth after food) ^{4D}	BNF for children	7 days; continue for 7 days after resolved ^{4D,6D}	
Public Health England	Miconazole, including the topical gel formulation, can enhance the anticoagulant effect of warfarin—if miconazole and warfarin are used concurrently, the anticoagulant effect should be carefully monitored and, if necessary, the dose of warfarin reduced. MHRA	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}	Not available. Access supporting evidence and
	Oral candidiasis is rare in immunocompetent adults; ^{2D} consider undiagnosed risk factors, including HIV. ^{2D}	fluconazole capsules ^{6D,7A}	50mg/100mg	BNF for children	7 to 14 days ^{6D,7A-}	rationales on the <u>PHE website</u>
Last updated: Oct 2018	Use 50mg fluconazole if extensive/severe candidiasis; ^{3D,4D} if HIV or immunocompromised, use 100mg fluconazole. ^{3D,4D}					
Infectious	Refer previously healthy children with acute painful	or bloody diarrhoea, to exclud	e <i>E. coli</i> O157 infection	ı. ^{1D}	•	
diarrhoea Public Health England	Antibiotic therapy is not usually indicated unles undercooked meat and abdominal pain), ^{3D} conside Otherwise consult microbiology Access the supporting e	r clarithromycin 250mg to 500r	ng BD for 5 to 7 days, i			
Last updated: Oct 2018	and cappening o					

Infaction	Key points	Madiaina	Doses		Longth	Visual
Infection		Medicine	Adult	Child	Length	summary
Helicobacter pylori	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 allergy PPI PLUS 2 antibiotics	-	BMF for children		
	Do not offer eradication for GORD. ^{3D} Do not use clarithromycin, metronidazole or	amoxicillin ^{2D,6B+} PLUS	1000mg BD ^{14A+}	BNF for children		
	quinolone if used in the past year for any infection. 5A+,6B+,7A+	clarithromycin ^{2D,6B+} OR	500mg BD ^{8A-}	BNF for children	_	
	Penicillin allergy: use PPI PLUS clarithromycin	metronidazole ^{2D,6B+}	400mg BD ^{2D}	BNF for children		
Public Health England	PLUS tetracycline hydrochloride. 2D,8A-,9D Relapse and no penicillin allergy use PPI PLUS amoxicillin PLUS clarithromycin or metronidazole (whichever was not used first line) 2D Relapse and previous metronidazole and	Penicillin allergy and previous clarithromycin: PPI WITH bismuth subsalicylate PLUS 2 antibiotics	-	-	7 days ^{2D} MALToma	Not available. Access
See PHE quick		bismuth subsalicylate ^{13A+} PLUS	525mg QDS ^{15D}		14 days ^{7A+,16A+}	supporting evidence and
for diagnostic advice: PHE	clarithromycin: use PPI PLUS amoxicillin PLUS either tetracycline OR levofloxacin (if tetracycline	metronidazole ^{2D} PLUS	400mg BD ^{2D}	BNF for children	-	rationales on the PHE website
H. pylori	not tolerated). ^{2D,7A+}	tetracycline ^{2D}	500mg QDS ^{15D}			
	Relapse and penicillin allergy (no exposure to quinolone): use PPI PLUS metronidazole PLUS levofloxacin. ^{2D}	Relapse and previous metronidazole and clarithromycin:	-	-		
	Relapse and penicillin allergy (with exposure	PPI PLUS 2 antibiotics			_	
	to quinolone): use PPI PLUS bismuth salt PLUS metronidazole PLUS tetracycline. ^{2D}	amoxicillin ^{2D,7A+} PLUS	1000mg BD ^{14A+}	BNF for children		
	Retest for <i>H. pylori</i> : post DU/GU, or relapse after second-line therapy, ^{1A+} using UBT or SAT, ^{10A+,11A+} consider referral for endoscopy and culture. ^{2D}	tetracycline ^{2D,7A+} OR	500mg QDS ^{15D}			
Last updated: Feb 2019		levofloxacin (if tetracycline cannot be used) ^{2D,7A+}	250mg BD ^{7A+}			
		Third line: Consult Specialist for advice	-			

Infection	Key points	Medicine	Doses		Length	Visual summary
Clostridium difficile	Review need for antibiotics, ^{1D,2D} PPIs, ^{3B-} and antiperistaltic agents and discontinue use where possible. ^{2D} Mild cases (<4 episodes of stool/day)	First episode*: oral vancomycin ^{1D,2D,5A-}	125mg QDS ^{1D,2D,5A-}	BNF for children	10 to 14 days ^{1D,4B} -	
Public Health England	may respond without treatment.	1 st Recurrence				
Updated in line with system wide algorithm Nov 2020 access : here	If severe (T>38.5, or WCC>15, rising creatinine, or signs/symptoms of severe colitis): ^{2D} treat with oral vancomycin, ^{1D,2D,5A-} review progress closely, ^{1D,2D} and consider hospital referral. ^{2D}	Following advice from Microbiology fidaxomicin (if vancomycin was used for the 1st	200mg BD	_	10 days	
	For second and subsequent recurrence : consult microbiology for advice *Fidaxomicin is an option for first episode in secondary care : Hospital Only (see system wide algorithm)	episode) or oral vancomycin (if fidaxomcin was used for the 1 st episode)	125mg QDS		14 days	
Traveller's diarrhoea Public Health England Last updated: Oct 2018	DO NOT PRESCRIBE ON FP10-Issue on Private Prescription Prophylaxis rarely, if ever, indicated. ^{1D} Consider standby antimicrobial only for patients at high risk of severe illness, ^{2D} or visiting high-risk areas. ^{1D,2D}	Standby: azithromycin	500mg OD ^{1D,3A+}	-	1 to 3 days ^{1D,2D,3A+}	Not available. Access supporting evidence and rationales on the PHE website
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. Acute diverticulitis and systemically unwell,	First-choice (uncomplicated acute diverticulitis): co-amoxiclav	500/125mg TDS	-		
Last updated: Nov 2019	immunosuppressed or significant comorbidity: offer an antibiotic. Give oral antibiotics if person not referred to hospital for suspected complicated acute diverticulitis. If CT-confirmed uncomplicated acute diverticulitis, review the need for antibiotics.	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*	Control of these artificional promoting sets and
	* A longer course may be needed based on clinical assessment.	trimethoprim AND metronidazole	trimethoprim: 200mg BD metronidazole: 400mg TDS	-		

Infection	Key points	Medicine	Doses		Length	Visual summary
Threadworm Consider self care	Treat all household contacts at the same time. ^{1D} Advise hygiene measures for 2 weeks ^{1D} (hand	Child >6 months: mebendazole ^{1D,3B} -	100mg stat ^{3B-}	BNF for children	1 dose; ^{3B-} repeat in 2 weeks if persistent ^{3B-}	Not available.
Public Health England Last updated: Nov 2017	including perianal area). ^{1D,2D} Wash sleepwear, bed linen, and dust and vacuum. ^{1D} Child <6 months , add perianal wet wiping or washes 3 hourly. ^{1D}	Child <6 months or pregnant (at least in first trimester): only hygiene measure for 6 weeks ^{1D}	ast in first	-	supporting evidence and rationales on the PHE website	
	ct infections People with risk factors should be screened for chla	amydia, gonorrhoog, HIV and s	vobilis 1D Rofor individu	ual and na	orthors to GLIM 1D iC AS	24
STI screening Public Health England Last updated: Nov 2017	Risk factors: <25 years; no condom use; recent/free Access the supporting evidence and rationales on the Ph	equent change of partner; symp		·		<u> </u>

Infection	Key points	Medicine	Doses	Child	Length	Visual
Chlamydia trachomatis/ urethritis Public Health England	Opportunistically screen all sexually active patients aged 15 to 24 years for <i>chlamydia</i> annually and on change of sexual partner. ^{1B-} If positive, treat index case, refer to GUM and initiate partner notification, testing and treatment. ^{2D,3A+} As single dose azithromycin has led to increased resistance in GU infections, doxycycline should be used first line for <i>chlamydia</i> and urethritis. ^{4A+} 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+} 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-} 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 and Gonorrhoea</i> . ^{11A-} If <i>M.genitalium</i> is proven, use doxycycline followed by azithromycin using the same dosing	First line: doxycycline ^{4A+,11A-,12A+} Second line/ pregnant/breastfeeding/ allergy/intolerance: azithromycin ^{4A+,11A-,12A+}	Adult 100mg BD ^{4A+,11A-} 1000mg ^{4A+,11A-} ,12A+ then 500mg OD ^{4A+,11A-} ,12A+	Child	7 days ^{4A+,11A-,12A+} Stat ^{4A+,11A-,12A+} 2 days ^{4A+,11A-,12A+} (total 3 days)	Not available. Access supporting evidence and rationales on the PHE website
Last updated: July 2019	regimen and advise to avoid sex for 14 days after start of treatment and until symptoms have resolved. 11A-,12A+					
Epididymitis		D	400 · · · · · · · · · · · · · · · · · ·		40.1.44.1	Not available.
Public Health England	Usually due to Gram-negative enteric bacteria in men over 35 years with low risk of STI. 1A+,2D	Doxycycline ^{1A+,2D} OR	100mg BD ^{1A+,2D}	-	10 to 14 days ^{1A+,2D}	Access supporting
Last updated:	If under 35 years or STI risk, refer to GUM. 1A+,2D	ofloxacin ^{1A+,2D} OR	200mg BD ^{1A+,2D}		14 days ^{1A+,2D}	evidence and rationales on the
Nov 2017		ciprofloxacin ^{1A+,2D}	500mg BD ^{1A+,2D,3A+}		10 days ^{1A+,2D,3A+}	PHE website

Infection	Key points	Medicine	Doses		Length	Visual summary
Vaginal candidiasis	All topical and oral azoles give over 80% cure. 1A+,2A+	Clotrimazole ^{1A+,5D} OR	500mg pessary ^{1A+}		Stat ^{1A+}	
	Pregnant: avoid oral azoles.					
Public Health	Topical azoles :7 day courses are more effective than shorter ones. 1A+,3D,4A+	clotrimazole ^{1A+} OR	100mg pessary ^{1A+}		6 nights ^{1A+}	Not available. Access
England	than shorter ones. 107,00,407	oral fluconazole ^{1A+,3D}	150mg ^{1A+,3D}		Stat ^{1A+}	supporting
Last updated: Oct 2018	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 6 months maintenance. 1A+	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	oral metronidazole ^{1A+,3A+} OR	400mg BD ^{1A+,3A+} OR 2000mg ^{1A+,2D}	-	7 days ^{1A+} OR Stat ^{2D}	Not available. Access supporting evidence and rationales on the PHE website
Public Health England	7 days results in fewer relapses than 2g stat at 4 weeks. 1A+,2D	metronidazole 0.75% vaginal gel ^{1A+,2D,3A+} OR	5g applicator at night ^{1A+,2D,3A+}		5 nights ^{1A+,2D,3A+}	
Last updated: Nov 2017	Pregnant/breastfeeding : avoid 2g dose. ^{3A+,4D} Treating partners does not reduce relapse. ^{5A+}	clindamycin 2% cream ^{1A+,2D}	5g applicator at night1A+,2D		7 nights ^{1A+,2D,3A+}	
Genital herpes	Advise: saline bathing,1A+ analgesia,1A+ or topical		400mg TDS ^{1A+,3A+}		5 days ^{1A+}	Not available.
Public Health	lidocaine for pain, ^{1A+} and discuss transmission. ^{1A+} First episode : treat within 5 days if new lesions or systemic symptoms, ^{1A+,2D} and refer to GUM. ^{2D}	oral aciclovir ^{1A+,2D,3A+,4A+} OR	800mg TDS (if recurrent) ^{1A+}		2 days ^{1A+}	Access supporting evidence and
England Last updated: Nov 2017	Recurrent : self-care if mild, ^{2D} or immediate short course antiviral treatment, ^{1A+,2D} or suppressive therapy if more than 6 episodes per year. ^{1A+,2D}	valaciclovir ^{1A+,3A+,4A+}	500mg BD ^{1A+}		5 days ^{1A+}	rationales on the PHE website
	Antibiotic resistance is now very high. 1D,2D					
Gonorrhoea Public Health	Use IM ceftriaxone if susceptibility not known prior to treatment ^{2D} .	ceftriaxone ^{2D} OR	1000mg IM ^{2D}		Stat ^{2D}	Not available. Access supporting evidence and rationales on the PHE website
England 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}	

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
Trichomoniasis Public Health England Last updated: Nov 2017	Oral treatment needed as extravaginal infection common. ^{1D} Treat partners, ^{1D} and refer to GUM for other STIs. ^{1D} Pregnant/breastfeeding: avoid 2g single dose metronidazole; ^{2A+,3D} clotrimazole for symptom relief (not cure) if metronidazole declined. ^{2A+,4A-,5D}	metronidazole ^{1A+,2A+,3D,6A+} Pregnancy to treat symptoms:	400mg BD ^{1A+,6A+} 2g (more adverse effects) ^{6A+} 100mg pessary at night ^{5D}	-	5 to 7 day ^{1A+} Stat ^{1A+,6A+} 6 nights ^{5D}	Not available. Access supporting evidence and rationales on the PHE website
Pelvic inflammatory disease	Refer women and sexual contacts to GUM. ^{1A+} Raised CRP supports diagnosis, absent pus cells in HVS smear good negative predictive value. ^{1A+} Exclude: estepic programmy, appendicities	clotrimazole ^{2A+,4A-,5D} First line therapy: ceftriaxone ^{1A+,3C,4C} PLUS metronidazole ^{1A+,5A+} PLUS	1000mg IM ^{1A+,3C} 400mg BD ^{1A+}		Stat ^{1A+,3C} 14 days ^{1A+}	
Initiation in Primary Care is not expected, diagnosing	Exclude: ectopic pregnancy, appendicitis, endometriosis, UTI, irritable bowel, complicated ovarian cyst, functional pain. Moxifloxacin has greater activity against likely pathogens, but always test for gonorrhoea,	doxycycline ^{1A+,5A+} Second line therapy: metronidazole ^{1A+,5A+} PLUS ofloxacin ^{1A+,2A-,5A+}	100mg BD ^{1A+} 400mg BD ^{1A+}		14 days ^{1A+} 14 days ^{1A+}	Not available. Access supporting evidence and
service to provide full course Public Health England	chlamydia, and <i>M. genitalium</i> . ^{1A+} If M. genitalium tests positive use moxifloxacin. ^{1A+}	OR moxifloxacin alone ^{1A+} (first line for <i>M. genitalium</i> associated PID)	400mg BD ^{1A+,2A-} 400mg OD ^{1A+}		14 days ^{1A+} 14 days ^{1A+}	rationales on the PHE website
Last updated: Feb 2019		,				

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary	
	soft tissue infections						
	GP Skin Infections online training. ^{1D} For MRSA, discuss ther	.,				1	
Impetigo		Topical antiseptic:	1	help all the help alone	T		
	Localised non-bullous impetigo:	hydrogen peroxide 1%	BD or TDS		5 days*		
NICE	Hydrogen peroxide 1% cream (other topical antiseptics are available but no evidence for	Topical antibiotic:					
MICE	impetigo). If hydrogen peroxide unsuitable or ineffective,	First choice: fusidic acid 2%	TDS				
Public Health England	short-course topical antibiotic. Widespread non-bullous impetigo: Short-course oral antibiotic.	Fusidic acid resistance suspected or confirmed: mupirocin 2%	TDS		5 days*	Impulse artificiabile precribing to the control of	
	Bullous impetigo, systemically unwell, or high	Oral antibiotic:					
Last updated: Feb 2020	risk of complications: Short-course oral antibiotic. Do not offer combination treatment with a topical and oral antibiotic to treat impetigo. *5 days is appropriate for most, can be increased to 7 days based on clinical judgement. For detailed information click on the visual summary.	First choice:	500mg QDS				
		Penicillin allergy or flucloxacillin unsuitable: clarithromycin OR	250mg BD		5 days*		
		erythromycin (in pregnancy)	250 to 500mg QDS	;			
		If MRSA suspected or conf					
Cold sores Public Health England Last updated: Nov 2017	Most resolve after 5 days without treatment. 1A24 If frequent, severe, and predictable triggers: con Access supporting evidence and rationales on the PHE v	sider oral prophylaxis:4D,5A+ aci	•	-		4-	
PVL-SA Public Health England Last updated: Nov 2017	Panton-Valentine leukocidin (PVL) is a toxin produced by 20.8 to 46% of <i>S. aureus</i> from boils/abscesses. ^{1B+,2B+,3B-} PVL strains are rare in healthy people, but severe. ^{2B+} Suppression therapy should only be started after primary infection has resolved, as ineffective if lesions are still leaking. ^{4D} Risk factors for PVL : recurrent skin infections; ^{2B+} invasive infections; ^{2B+} MSM; ^{3B-} if there is more than one case in a home or close community ^{2B+,3B-} (school children; ^{3B-} military personnel; ^{3B-} nursing home residents; ^{3B-} household contacts). ^{3B-}						
NOV 2017	Access the supporting evidence and rationales on the Ph		nacio).				

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual 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, do	-			
NICE	Symptoms and signs of secondary bacterial infection can include: weeping, pustules, crusts, no response to treatment, rapidly worsening eczema, fever and malaise.	Topical antibiotic (if a topical				
Public Health	Not all flares are caused by a bacterial infection, so will not respond to antibiotics.	First choice: fusidic acid 2%	TDS	The second secon	5 to 7 days	
England	Eczema is often colonised with bacteria but may not be clinically infected.	Oral antibiotic:				
	Do not routinely take a skin swab.	First choice:	500m = ODC			
Last updated: Mar 2021	Not systemically unwell:	flucloxacillin	500mg QDS			
IVIAI ZUZ I	Do not routinely offer either a topical or oral antibiotic.	Penicillin allergy or	250mg BD (can be increased to 500mg			
	If an antibiotic is offered, when choosing between a topical or oral antibiotic, take account of patient preferences, extent and severity of symptoms or	flucloxacillin unsuitable: clarithromycin OR	BD for severe infections)	Constitution of the American Constitution of	5 to 7 days	According to the street of the
	signs, possible adverse effects, and previous use of topical antibiotics because antimicrobial resistance can develop rapidly with extended or	gns, possible adverse effects, and previous use topical antibiotics because antimicrobial erythromycin (in 250mg to 500mg	250mg to 500mg QDS			Variable of the control of the contr
	Systemically unwell:					-
	Offer an oral antibiotic. If there are symptoms or signs of cellulitis, see cellulitis and erysipelas.					
	For detailed information click on the visual summary.					
		If MRSA suspected or conf	irmed – consult local	microbiol	ogist	

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary	
Leg ulcer	Manage any underlying conditions to promote	First-choice:	t-choice:				
infection	ulcer healing.	flucloxacillin	500mg to 1g* QDS	-	7 days		
	Only offer an antibiotic when there are symptoms	Penicillin allergy or if fluctor	oxacillin unsuitable:				
NICE	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 bacteria.	doxycycline OR	200mg on day 1, then 100mg OD (can be increased to 200mg daily)	_	7 days	lay dar Nobel and antidad providing MC STOTEMENT (STOTEMENT AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION ADMINISTRATION	
Public Health		clarithromycin OR	500mg BD		, days	The control of the	
severity, risk of	When prescribing antibiotics, take account of severity, risk of complications and previous antibiotic use.	erythromycin (in pregnancy)	500mg QDS			The state of the s	
Lastinadata di		Second choice:		_			
Last updated: Feb 2020	For detailed information click on the visual summary.	co-amoxiclav OR	500/125mg TDS				
	*please note off label dose	co-trimoxazole** (in penicillin allergy)	960mg BD	-	7 days		
	**please note off label use	For antibiotic choices if se			cted or confirmed,		
		usually treated in Hospital,	click on the visual s	ummary			
Acne	Mild (open and closed comedones) ^{1D} or moderate (inflammatory lesions): ^{1D}	Second line: topical retinoid ^{1D,2D,3A+} OR	Thinly OD ^{3A+}	BNF for children	6 to 8 weeks ^{1D}		
Public Health	First line : self-care ^{1D} (wash with mild soap; do not scrub; avoid make-up). ^{1D}	benzoyl peroxide ^{1A-,2D,3A+,4A-}	5% cream OD- BD ^{3A+}	BNF for children	6 to 8 weeks ^{1D}	Not available. Access	
England	Second line : topical retinoid or benzoyl peroxide. ^{2D}	Third-line: topical clindamycin ^{3A+}	1% cream, thinly BD ^{3A+}	BNF for children	12 weeks ^{1A-,2D}	supporting evidence and	
Last updated: Nov 2017	Third-line: add topical antibiotic, 1D,3A+ or consider addition of oral antibiotic. 1D Severe (nodules and cysts): 1D add oral antibiotic	If treatment failure/severe: oral tetracycline ^{1A-,3A} + OR	500mg BD ^{3A+}	BNF for children	6 to 12 weeks ^{3A+}	rationales on the <u>PHE</u> <u>website</u>	
	(for 3 months max) ^{1D,3A+} and refer. ^{1D,2D}	oral doxycycline ^{3A+,4A-}	100mg OD ^{3A+}	BNF for children	6 to 12 weeks ^{3A+}		

Cellulitis and erysipelas NICE NICE NICE Public Health England Last updated: Sept 2019 Source: Source: Sept 2019 Source: Sept 2019 Source: Sept 2019 Source:	Infection	Key points	Medicine	Doses Adult C	Child	Length	Visual summary
Consider marking extent of infection with a single- use surgical marker pen. Offer an antibiotic. Take account of severity, site of infection, risk of uncommon pathogens, any microbiological results and MRSA status. Infection around eyes or nose is more concerning because of serious intracranial complications. *A longer course (up to 14 days in total) may be needed but skin takes time to return to normal, and full resolution at 5 to 7 days is not expected. **Off label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. Fenicillin allergy or if flucloxacillin unsuitable: clarithromycin OR 500mg DD 0R co-amoxiclav (children only: not in penicillin allergy) If infection near eyes or nose: co-amoxiclav 1							
Use surgical marker pen. Offer an antibiotic. Take account of severity, site of infection, risk of uncommon pathogens, any microbiological results and MRSA status. Infection around eyes or nose is more concerning because of serious intracranial complications. *A longer course (up to 14 days in total) may be needed but skin takes time to return to normal, and full resolution at 5 to 7 days is not expected. **Off label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. Penicillin allergy or if flucloxacillin unsuitable: clarithromycin OR 500mg BD 500mg QDS pregnancy) OR doxycycline (adults only) 200mg on day 1, then 100mg OD co-amoxiclav (children only: not in penicillin allergy): If infection near eyes or nose: co-amoxiclav 500/125mg TDS 7 days* If infection near eyes or nose (penicillin allergy): clarithromycin AND 500mg BD 7 days* For alternative choice antibiotics for severe infection, suspected or confirmed MRSA infection and IV antibiotics via ambulatory care click on the visual summary. Please note if suitable for ambulatory care -only treat	erysipelas		Flucloxacillin	500mg to 1g** QDS		5 to 7 days*	
Offer an antibiotic. Take account of severity, site of infection, risk of uncommon pathogens, any microbiological results and MRSA status. Infection around eyes or nose is more concerning because of serious intracranial complications. *A longer course (up to 14 days in total) may be needed but skin takes time to return to normal, and full resolution at 5 to 7 days is not expected. **Off label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. Clarithromycin OR 500mg BD erythromycin (in pregancy) OR doxycycline (adults only) 200mg on day 1, then 100mg OD co-amoxiclav (children only: not in penicillin allergy): 1 infection near eyes or nose: co-amoxiclav 500/125mg TDS 7 days* If infection near eyes or nose (penicillin allergy): clarithromycin AND 500mg BD To days* For alternative choice antibiotics for severe infection, suspected or confirmed MRSA infection and IV antibiotics via ambulatory care click on the visual summary. Please note if suitable for ambulatory care -only treat			Penicillin allergy or if flucion	xacillin unsuitable:			
Public Health England Infection around eyes or nose is more concerning because of serious intracranial complications. *A longer course (up to 14 days in total) may be needed but skin takes time to return to normal, and full resolution at 5 to 7 days is not expected. **Off label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. For alternative choice antibiotics via ambulatory care click on the visual summary. Please note if suitable for ambulatory care -only treat	NICE		clarithromycin OR	500mg BD		5 to 7 days*	
Public Health England Infection around eyes or nose is more concerning because of serious intracranial complications. *A longer course (up to 14 days in total) may be needed but skin takes time to return to normal, and full resolution at 5 to 7 days is not expected. **Off label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. Infection around eyes or nose is more concerning then 100mg OD If infection near eyes or nose: co-amoxiclav If infection near eyes or nose (penicillin allergy): clarithromycin AND metronidazole (only add in children if anaerobes suspected) For alternative choice antibiotics for severe infection, suspected or confirmed MRSA infection and IV antibiotics via ambulatory care click on the visual summary. Please note if suitable for ambulatory care -only treat		of infection, risk of uncommon pathogens, any	pregnancy) OR		5.00		
*A longer course (up to 14 days in total) may be needed but skin takes time to return to normal, and full resolution at 5 to 7 days is not expected. **Off label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. *A longer course (up to 14 days in total) may be needed but skin takes time to return to normal, and full resolution at 5 to 7 days is not expected. **Off label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. *If infection near eyes or nose (penicillin allergy): clarithromycin AND metronidazole (only add in children if anaerobes suspected) For alternative choice antibiotics for severe infection, suspected or confirmed MRSA infection and IV antibiotics via ambulatory care click on the visual summary. Please note if suitable for ambulatory care -only treat	Public Health	Infection around eyes or nose is more concerning	OR		-		
and full resolution at 5 to 7 days is not expected. **Off label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. If infection near eyes or nose (penicillin allergy): clarithromycin AND metronidazole (only add in children if anaerobes suspected) For alternative choice antibiotics for severe infection, suspected or confirmed MRSA infection and IV antibiotics via ambulatory care click on the visual summary. Please note if suitable for ambulatory care -only treat	England	*A longer course (up to 14 days in total) may be	not in penicillin allergy)	-			Column and environment and extension proceeding MCC
Last updated: Sept 2019 **Off label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. **Off label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. **Off label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. **Off label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. **Toff label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. **Toff label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. **Toff label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. **Toff label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. **Toff label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. **Toff label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. **Toff label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. **Toff label dose Do not routinely offer antibiotics to prevent recurrent cellulitis or erysipelas. **Toff label dose Do not routinely offer antibiotics to prevent recurrent and supplies to provide the provide antibiotics or erysipelas. **Toff label dose Do not routinely offer antibiotics to prevent antibiotics for severe infection, suspected or confirmed MRSA infection and IV antibiotics via ambulatory care click on the visual summary.						Γ = .	
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recurrent cellulitis or erysipelas. For detailed information, including referral criteria to hospital click on the visual summary. For alternative choice antibiotics for severe infection, suspected or confirmed MRSA infection and IV antibiotics via ambulatory care click on the visual summary. Please note if suitable for ambulatory care -only treat		Do not routinely offer antibiotics to prevent			Management Work	I .	
For detailed information, including referral criteria to hospital click on the visual summary. Children if anaerobes suspected) For alternative choice antibiotics for severe infection, suspected or confirmed MRSA infection and IV antibiotics via ambulatory care click on the visual summary. Please note if suitable for ambulatory care -only treat	Sept 2019					/ days^	
For alternative choice antibiotics for severe infection, suspected or confirmed MRSA infection and IV antibiotics via ambulatory care click on the visual summary. Please note if suitable for ambulatory care -only treat		For detailed information, including referral criteria		400111g 1D3			
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the visual summary. Please note if suitable for ambulatory care -only treat			For alternative choice antib				
III lille with agreed protocols. Oral lillezolid is nospital Only							
			in line with agreed protocol	is. Orai iiilezoiia is nos	spital Of	шу	

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
Diabetic foot infection	In diabetes, all foot wounds are likely to be colonised with 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 Moderate: local infection with more than 2cm	Mild infection: first choice Flucloxacillin	500mg to 1g** QDS	-	7 days*	
		Mild infection (penicillin all clarithromycin OR erythromycin (in pregnancy) OR doxycycline	500mg BD 500mg QDS 200mg on day 1, then 100mg OD (can be increased		7 days*	
Public Health England Last updated: Oct 2019	erythema or involving deeper structures (such as abscess, osteomyelitis, septic arthritis or fasciitis) Severe: local infection with signs of a systemic inflammatory response. Start antibiotic treatment as soon as possible. Take samples for microbiological testing before, or as close as possible to, the start of treatment When choosing an antibiotic, take account of severity, risk of complications, previous microbiological results and antibiotic use, and patient preference. *A longer course (up to a further 7 days) may be needed based on clinical assessment. However, skin does take time to return to normal, and full resolution at 7 days is not expected. Do not offer antibiotics to prevent diabetic foot infection.	For antibiotic choices for new Pseudomonas aeruginosa antibiotics via ambulatory in Secondary Care or on the if suitable for ambulatory contact of the suitable for ambulatory	Section to the control of section of the control of			
Scabies Public Health England Last updated:	**Off label dose For detailed information click on the visual summary. First choice permethrin: Treat whole body from ear/chin downwards, 1D,2D and under nails. 1D,2D lf using permethrin and patient is under 2 years, elderly or immunosuppressed, or if treating with malathion: also treat face and scalp. 1D,2D Home/sexual contacts: treat within 24 hours. 1D	permethrin ^{1D,2D,3A+} Permethrin allergy: malathion ^{1D}	5% cream ^{1D,2D} 0.5% aqueous liquid ^{1D}	BNF for children	2 applications, 1 week apart ^{1D}	Not available. Access supporting evidence and rationales on the PHE website

Infantion	Wass mainte	Madialas	Doses		Laurette	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 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	Control State Co	3 days for prophylaxis 5 days for treatment*	Vertical Control of Co
MCL	Do not offer antibiotic prophylaxis if a human or	Penicillin allergy or co-amo		The second secon		
Public Health England	animal bite has not broken the skin. Human bite: Offer antibiotic prophylaxis if the human bite has broken the skin and drawn blood.	doxycycline (not in under 12s) AND	200mg on day 1, then 100mg or 200mg daily		3 days for prophylaxis 5 days for treatment*	
Last updated: Nov 2020	Consider antibiotic prophylaxis if the human bite has broken the skin but not drawn blood if it is in a	metronidazole seek specialist advice in pr	400mg TDS regnancy and for			
	high-risk area or person at high risk. Cat bite:	children under 12 yrs				
	Offer antibiotic prophylaxis if the cat bite has broken the skin and drawn blood.	IV antibiotics (click on visual Secondary Care	<i>l summary)</i> Usually in			
	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 highrisk area or person at high risk.					
	*course length can be increased to 7 days (with review) based on clinical assessment of the wound.					
	View visual summary for advice when to refer to Hospital/microbiology					

Infection	Voy nointe	Medicine	Doses		Longth	Visual
intection	Key points	weatcine	Adult	Child	Length	summary
Insect bites and stings	Most insect bites or stings will not need antibiotics.	-	-	-	-	MONTH AND ADMINISTRATING STREET, and a second stree
NICE	Do not offer an antibiotic if there are no symptoms or signs of infection.					The state of the s
Public Health England	If there are symptoms or signs of infection, see cellulitis and erysipelas.					
Last updated: Sep 2020						
Mastitis	S. aureus is the most common infecting	flucloxacillin ^{2D}	500mg QDS ^{2D}			Not available.
5	pathogen. ^{1D} Suspect if woman has: a painful breast; ^{2D} fever and/or general malaise; ^{2D} a tender,	Penicillin allergy: erythromycin ^{2D} OR	250mg to 500mg QDS ^{2D}			Access
Public Health	red breast. ^{2D}	erythomycin ²⁵ OK	QDS ²⁵		10 to 14 days ^{2D}	supporting
England	Breastfeeding: oral antibiotics are appropriate,				To to 14 days	evidence and rationales on the
Last updated:	where indicated. ^{2D,3A+} Women should continue	clarithromycin ^{2D}	500mg BD ^{2D}			PHE website
Nov 2017	feeding, 1D,2D including from the affected breast.2D					
Dermatophyte	Most cases: use terbinafine as fungicidal,	topical terbinafine ^{3A+,4D} OR	1% OD to BD ^{2A+}	BNF for children	1 to 4 weeks ^{3A+}	
infection: skin	treatment time shorter and more effective than with fungistatic imidazoles or	topical imidazole ^{2A+,3A+}	1% OD to BD ^{2A+}	BNF	4 to 6 weeks ^{2A+,3A+}	Not evellable
Consider self	undecenoates. ^{1D,2A+,} If candida possible, use	topical illidazoio	170 02 10 22	for children	1 to o wooko	Not available. Access
care	imidazole. ^{4D}	Alternative in athlete's	OD to BD ^{2A+}	BNF		supporting
Public Health	If intractable, or scalp: send skin scrapings, 1D	foot:		for children		evidence and
England	and if infection confirmed: use oral	topical undecenoates2A+				rationales on the
9	terbinafine ^{1D,3A+,4D} or itraconazole. ^{2A+,3A+,5D}	(such as Mycota®)2A+				PHE website
Last updated:	Scalp: oral therapy, ^{6D} and discuss with	OTC				
Feb 2019	specialist. ^{1D}					

Infection	Key points	Medicine	Doses Adult	Child	Length	Visual summary
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	First line: terbinafine ^{1D,2A+,3A+,4D,6D}	250mg OD ^{1D,2A+,6D}	BNF for children	Fingers: 6 weeks ^{1D,6D} Toes: 12 weeks ^{1D,6D}	Not available.
Public Health England	non-dermatophyte infection is confirmed, use oral itraconazole. 1D,3A+,4D Topical nail lacquer is not as effective. 1D,5A+,6D To prevent recurrence: apply weekly 1% topical	Second line: itraconazole ^{1D,3A+,4D,6D}	200mg BD ^{1D,4D}	BNF for children	1 week a month ^{1D} Fingers: 2 courses ^{1D} Toes: 3 courses ^{1D}	Access supporting evidence and rationales on the PHE website
Last updated: Oct 2018	antifungal cream to entire toe area. ^{6D} Children : seek specialist advice. ^{4D} Please note topical antifungal nail paints not recommended on FP10	Stop treatment when continu	al, new, healthy, proxi	mal nail gr	owth. ^{6D}	THE WEDSITE
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+	800mg 5 times daily ^{16A-}	BNF for children		Not available.
	>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}	Second line for shingles if poor compliance: not for children:		-	7 days ^{14A-,16A-}	Access supporting evidence and rationales on the
Herpes zoster/ shingles	Shingles: treat if >50 years ^{7A+,8D} (PHN rare if <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}	valaciclovir ^{8D,}	1g TDS ^{14A} -	BMF for children		PHE website
England Last updated: Oct 2018	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 pain. 7D,11B+					
Tick bites (Lyme disease)	Treatment : Treat erythema migrans empirically ; serology is often negative early in infection. ^{3D}	Treatment: doxycycline ^{2D,3D}	100mg BD ^{2D,3D}	BNF for children		Not available. Access
Public Health England Last updated: Feb 2020	For other suspected Lyme disease such as neuroborreliosis (CN palsy, radiculopathy) seek advice. ^{3D}	Alternative: amoxicillin ^{2D,3D}	1,000mg TDS ^{2D,3D}	BMF for children	21 days ^{2D,3D}	supporting evidence and rationales on the PHE website

Infection	Key points	Medicine	Doses		Length	Visual
			Adult	Child	3	summary
▼ Eye infecti	ons					
Conjunctivitis Consider self	First line: bath/clean eyelids with cotton wool		Eye drops: 2 hourly for 2 days, 1D,2A+ then reduce			
care	dipped in sterile saline or boiled (cooled) water, to remove crusting. ^{1D}	Second line: chloramphenicol ^{1D,2A+,4A-,5A+}	frequency ^{1D} to 3 to			
Durk lie I I e e løk	Treat only if severe , ^{2A+} as most cases are viral ^{3D} or self-limiting. ^{2A+}	0.5% eye drop ^{1D,2A+}	4 times daily. 1D Eye ointment: 3 to 4	BNF for children	48 hours after	Not available. Access supporting
Public Health England	Bacterial conjunctivitis : usually unilateral and also self-limiting. ^{2A+,3D} It is characterised by red	OR 1% ointment ^{1D,5A+}	times daily or once daily at night if		resolution ^{2A+,7D}	evidence and rationales on the
	eye with mucopurulent, not watery discharge. ^{3D} 65% and 74% resolve on placebo by days 5 and 7. ^{4A-,5A} + Third line : fusidic acid as it has less		using antibiotic eye drops during the day. ^{1D}			PHE website
Last updated: July 2019	Gram-negative activity. 6A-,7D	Third line:	BD ^{1D,7D}	BNF for children	1	
	,	fusidic acid 1% gel ^{2A+,5A+,6A-}				
Blepharitis-	First line: lid hygiene ^{1D,2A+} for symptom control, ^{1D}	Second line:	1% ointment BD ^{2A+,3D}	BNF for children	6-week trial ^{3D}	
only consider oral antibiotics after 2 weeks	including: warm compresses; 1D,2A+ lid massage and scrubs; 1D gentle washing; 1D avoiding					
of topical and	Second line: topical antibiotics if hygiene	Third line:	500mg BD ^{3D}	BNF	4 weeks (initial)3D	Not available. Access
hygiene	measures are ineffective after 2 weeks. 1D,3A+	oral oxytetracycline1D,3D OR	250mg BD ^{3D}	for children	8 weeks (maint)3D	supporting
measure	Signs of meibomian gland dysfunction, ^{3D} or	oral doxycycline ^{1D,2A+,3D}	100mg OD ^{3D}	BNF for children	4 weeks (initial)3D	evidence and
Public Health England	acne rosacea:3D consider oral antibiotics.1D		50mg OD ^{3D}	Tor children	8 weeks (maint) ^{3D}	rationales on the PHE website
Last updated: Nov 2017					- BEOOMENDED	

Suspected dental infections in primary care- refer to dentist for treatment. GP prescribing in Primary Care NOT RECOMMENDED

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.