

Treatments with antibiotics in nursing homes (Each line indicates a new antibiotic treatment)

Age (years)	Sex		Indication for treatment	Risk factors for urinary tract infection	New onset or worsening of preexisting symptoms	New onset or worsening of urogenital symptoms	Urinalyses	Antibiotics (systemic)	Treatment duration
	F	M	Only 1 X	Min 1 X	Min 1 X	Min 1 X	Min 1 X	Min 1 X	
			1 Urinary tract infection	1 Indwelling urinary catheter	1 Poor general condition	1 Urinary incontinence	1 Urinary dipstick (at nursing home or laboratory)	1 Amoxicillin	Treatment duration - days 999 = Unknown
			2 Other infection	2 Severe cognitive impairment (dementia)	2 Changed behavior incl. agitation or apathy	2 Flank pain	2 Result	2 Amoxicillin + clavulanic acid	
			3 Unknown indication	3 Diabetes	2 Loss of appetite incl. agitation or apathy	2 Low abdominal or pelvic pain	2 Nitrite positive	2 Fosfomycin	
			4 Indwelling urinary catheter	4 History of ≥ 3 UTIs in the last year	2 Reduced fluid intake	2 Obvious blood in urine	2 Nitrite negative	2 Nitrofurantoin	
			5 Severe cognitive impairment (dementia)	4 Bedridden or use of wheelchair	2 None of the above	2 Foul smelling urine	2 Leucocyte positive	2 Trimethoprim and/or sulfonamides	
			6 Use of diapers	4 None of the above	2 Pain at or after urination	2 Cloudy urine	2 Leucocyte negative	2 Cephalosporines	
			7 Diabetes	5 Fever (temp. ≥ 38 degrees)	2 Urgency	2 None of the above	2 Results not available	2 Quinolones	
			8 History of ≥ 3 UTIs in the last year	5 Shaking chills	2 Frequency	2 Urine sample sent for culture	2 No urinalysis	2 Other antibiotics	
			9 Bedridden or use of wheelchair	5 Confusion	2 Urinary incontinence	2 Nitrite positive	2 Pivmecillinam	2 Do not know	
			10 None of the above	6 Poor general condition	2 Flank pain	2 Nitrite negative	2 Amoxicillin		
			11 Fever (temp. ≥ 38 degrees)	6 Changed behavior incl. agitation or apathy	2 Low abdominal or pelvic pain	2 Leucocyte positive	2 Amoxicillin + clavulanic acid		
			12 Shaking chills	6 Loss of appetite incl. agitation or apathy	2 Obvious blood in urine	2 Leucocyte negative	2 Fosfomycin		
			13 Confusion	6 Reduced fluid intake	2 Urgency	2 Results not available	2 Nitrofurantoin		
			14 Poor general condition	7 History of ≥ 3 UTIs in the last year	2 Urinary incontinence	2 No urinalysis	2 Trimethoprim and/or sulfonamides		
			15 Changed behavior incl. agitation or apathy	7 Bedridden or use of wheelchair	2 Flank pain	2 Urine sample sent for culture	2 Cephalosporines		
			16 Loss of appetite incl. agitation or apathy	7 None of the above	2 Low abdominal or pelvic pain	2 Nitrite positive	2 Quinolones		
			17 Reduced fluid intake	8 Fever (temp. ≥ 38 degrees)	2 Obvious blood in urine	2 Nitrite negative	2 Other antibiotics		
			18 None of the above	8 Shaking chills	2 Foul smelling urine	2 Leucocyte positive	2 Do not know		
			19 Pain at or after urination	8 Confusion	2 Cloudy urine	2 Leucocyte negative			
			20 Urgency	9 Poor general condition	2 None of the above	2 Results not available			
			21 Frequency	9 Changed behavior incl. agitation or apathy	2 Urinary incontinence	2 No urinalysis			
			22 Urinary incontinence	9 Loss of appetite incl. agitation or apathy	2 Flank pain	2 Pivmecillinam			
			23 Flank pain	9 Reduced fluid intake	2 Low abdominal or pelvic pain	2 Amoxicillin			
			24 Low abdominal or pelvic pain	10 History of ≥ 3 UTIs in the last year	2 Obvious blood in urine	2 Amoxicillin + clavulanic acid			
			25 Obvious blood in urine	10 Bedridden or use of wheelchair	2 Foul smelling urine	2 Fosfomycin			
			26 Foul smelling urine	10 None of the above	2 Cloudy urine	2 Nitrofurantoin			
			27 Cloudy urine	11 Fever (temp. ≥ 38 degrees)	2 None of the above	2 Trimethoprim and/or sulfonamides			
			28 None of the above	11 Shaking chills	2 Urine sample sent for culture	2 Cephalosporines			
			29 Urine sample sent for culture	11 Confusion	2 Nitrite positive	2 Quinolones			
			30 Nitrite positive	12 Poor general condition	2 Nitrite negative	2 Other antibiotics			
			31 Nitrite negative	12 Changed behavior incl. agitation or apathy	2 Leucocyte positive	2 Do not know			
			32 Leucocyte positive	12 Loss of appetite incl. agitation or apathy	2 Leucocyte negative				
			33 Leucocyte negative	12 Reduced fluid intake	2 Results not available				
			34 Results not available	12 History of ≥ 3 UTIs in the last year	2 No urinalysis				
			35 No urinalysis	12 Bedridden or use of wheelchair	2 Pivmecillinam				
			36 Pivmecillinam	12 None of the above	2 Amoxicillin				
			37 Amoxicillin	13 Fever (temp. ≥ 38 degrees)	2 Amoxicillin + clavulanic acid				
			38 Amoxicillin + clavulanic acid	13 Shaking chills	2 Fosfomycin				
			39 Fosfomycin	13 Confusion	2 Nitrofurantoin				
			40 Nitrofurantoin	14 Poor general condition	2 Trimethoprim and/or sulfonamides				
			41 Trimethoprim and/or sulfonamides	14 Changed behavior incl. agitation or apathy	2 Cephalosporines				
			42 Cephalosporines	14 Loss of appetite incl. agitation or apathy	2 Quinolones				
			43 Quinolones	14 Reduced fluid intake	2 Other antibiotics				
			44 Other antibiotics	14 History of ≥ 3 UTIs in the last year	2 Do not know				
			45 Do not know	14 Bedridden or use of wheelchair					
			46 Treatment duration - days	14 None of the above					