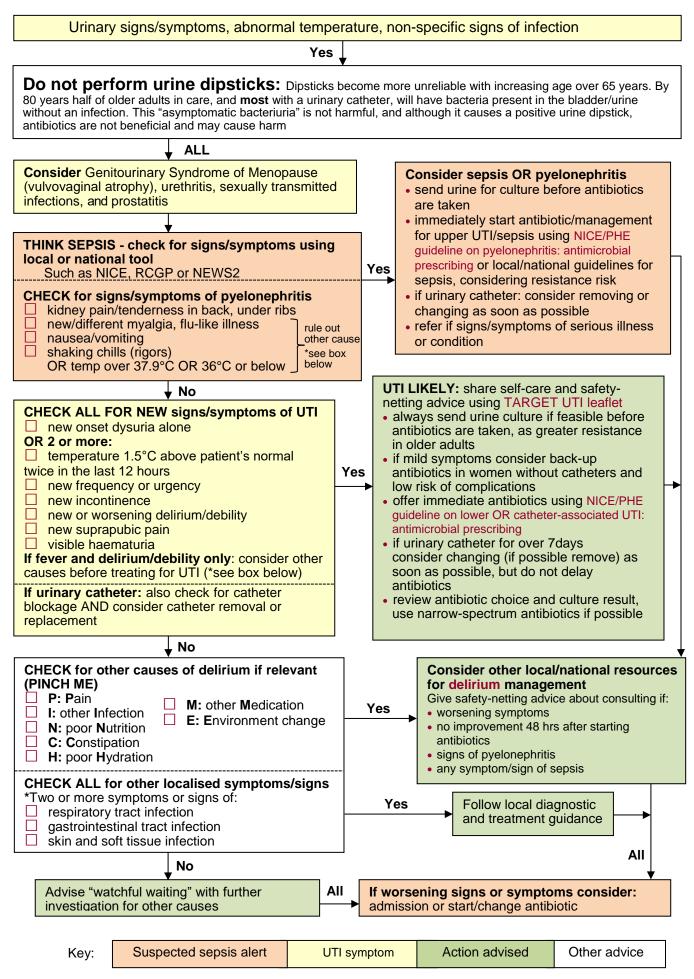
Flowchart for suspected UTI in catheterised adults or those over 65 years



Last review: Nov 2018. Next review: Nov 2021. Last update: October 2020. Version: 3.0 Over 65 TARGET

Table summary: catheterised adults or those over 65 years with suspected UTI
Men and women over 65 years may present with:
 localised signs or symptoms of a UTI including new onset dysuria; incontinence; urgency temperature: 38°C or above; 36°C or below; 1.5°C above normal twice in the last 12 hours non-specific signs of infection: for example delirium; loss of diabetic control
Do not perform urine dipstick as they become more unreliable with increasing age over 65 years By 80 years half of older adults in care, and most with a urinary catheter, will have bacteria present in the bladder/urine without an infection. This "asymptomatic bacteriuria" is not harmful, and although it causes a positive urine dipstick, antibiotics are not beneficial and may cause harm Consider: Genitourinary Syndrome of Menopause (vulvovaginal atrophy) as can present with dysuria. Also consider risk of urethritis, prostatitis or STI
Use symptoms and signs to determine the most appropriate management First think sepsis: check for signs using local or national tool such as NICE, RCGP or NEWS2 Exclude pyelonephritis checking for any one sign: kidney pain/tenderness in back, under ribs new/different myalgia, or flu-like symptoms shaking chills (rigors) or temp over 37.9°C or 36°C or below If signs of sepsis or pyelonephritis (if no kidney pain rule out other localised infection *see symptoms of other infection box below): send urine for culture before antibiotics are taken assess antibiotic resistance risk and immediately start antibiotic for upper UTI/sepsis using NICE/PHE guideline on pyelonephritis: antimicrobial prescribing or local/national guidelines for sepsis if urinary catheter for more than 7 days: consider changing (if possible remove) as soon as possible but do not delay antibiotics refer if signs or symptoms of serious illness or condition
Then check all for <u>NEW</u> URINARY If urinary symptoms suggest UTI:
 symptoms/signs NEW onset dysuria alone OR 2 or more new: temperature: 1.5°C above normal twice in the last 12 hours always send urine culture if feasible before antibiotics are taken, as greater resistance in older adults if mild symptoms consider back-up antibiotics in women without catheters and low risk of complications consider immediate antibiotic for lower UTI offer immediate antibiotic resistance risk using patient history for antibiotic choice use NICE/PHE guideline on lower UTI: antimicrobial prescribing OR NICE/PHE guideline on catheter-associated UTI: antimicrobial prescribing
 If indwelling URINARY CATHETER for over 7 days: check for catheter blockage AND consider catheter removal consider changing (if possible remove) catheter as soon as possible but do not delay antibiotics leaking or blocked long-term indwelling catheters: offer antibiotic treatment if signs/symptoms UTI; check bag positioning, constipation, see guidance for other causes at catheter change: only consider antibiotic prophylaxis if trauma or symptomatic UTI after previous changes
Check all for 2 or more signs or symptoms suggesting <u>other</u> infection respiratory tract infection: shortness of breath; cough or sputum production; new pleuritic chest pain gastrointestinal tract infection: nausea/vomiting; new abdominal pain; new onset diarrhoea skin and soft tissue infection: new redness; warmth Follow diagnostic and treatment guidance if infection suspected
Check all for other causes of DELIRIUM (PINCH ME) and manage as needed
 P: Pain I: other Infection I: other Infection C: Constipation H: poor Hydration M: other Medication C: Constipation H: poor Hydration M: other Medication M: other Infection Advise watchful waiting, with further investigation if needed
Share self-care and safety-netting advice using TARGET UTI leaflet for older adults
Safety-netting to seek advice if: Self-care advice worsening symptoms drink enough fluids to avoid feeling thirsty and to keep urine pale signs of pyelonephritis take paracetamol regularly up to 4 times daily for pain/fever relief ways of preventing further episodes of UTI
Please refer to the information and reference tables in joint NICE/PHE guidance: NICE guidelines on UTI (lower): antimicrobial prescribing or NICE guidelines on pyelonephritis (acute): antimicrobial prescribing or NICE/PHE guideline on catheter-associated UTI: antimicrobial prescribing