



# FOR CARE HOME USE ONLY

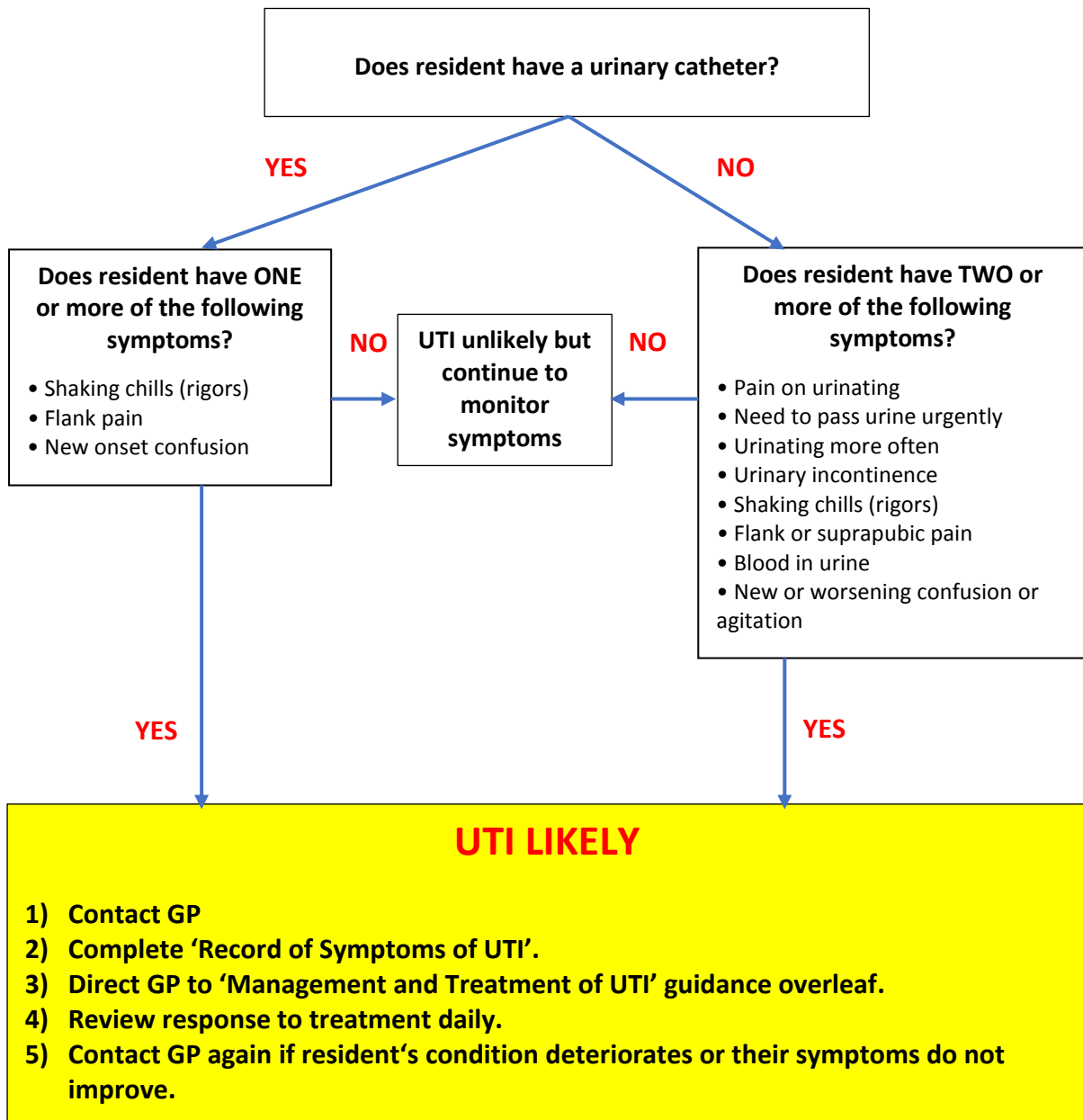
## Flowchart for the Diagnosis of UTI in Elderly Care Home Residents

Use this flowchart to assess residents presenting with any of the following:

- Fever: temperature of >37.9°C or 1.5°C increase above baseline (on at least two occasions in the last 12 hours).
- Hypothermia: temperature of <36°C
- Non-specific symptoms of infection: abdominal pain, behavioural change, loss of diabetes control.

FOR USE BY APPROPRIATELY TRAINED STAFF ONLY

**DO NOT** routinely use dipstick test in diagnosis of UTI



References: Diagnosis of urinary tract infections (UTIs)-PHE. SIGN 88-Diagnosis and Management of Suspected UTI in Older People



# FOR GP USE ONLY

## Management and Treatment of UTI in Elderly Care Home Residents

### Management

- If two or more symptoms of infection, obtain urine sample and send to microbiology for culture.
- Consider analgesia (paracetamol is recommended first line)
- Assess if retention or sub-acute retention of urine is likely (e.g. blocked catheter or distended bladder)
- If resident has a urinary catheter, remove and replace it. Consider the on-going need for a long term catheter, in consultation with specialists.
- **If flank or suprapubic pain, consider diagnosis of pyelonephritis and treat accordingly.**

### Treatment of infection

MEN	
1 <sup>ST</sup> LINE TREATMENT: NITROFURANTOIN	
Renal function: eGFR > 45 mL/min	Nitrofurantoin 100mg m/r BD for 7 days
Renal function: eGFR < 45 mL/min	DO NOT USE
2 <sup>ND</sup> LINE TREATMENT: TRIMETHOPRIM	
Renal function: eGFR > 30 mL/min	Trimethoprim 200mg BD for 7 days
Renal function: eGFR 15-30 mL/min	Trimethoprim 200mg BD for 3 days then 100mg BD for 4 days
Renal function: eGFR < 15 mL/min	Trimethoprim 100mg BD for 7 days
WOMEN	
1 <sup>ST</sup> LINE TREATMENT: NITROFURANTOIN	
Renal function: eGFR > 45 mL/min	Nitrofurantoin 100mg m/r BD for 3 days
Renal function: eGFR < 45 mL/min	DO NOT USE
2 <sup>ND</sup> LINE TREATMENT: TRIMETHOPRIM	
Renal function: eGFR > 15 mL/min	Trimethoprim 200mg BD for 3 days
Renal function: eGFR < 15 mL/min	Trimethoprim 100mg BD for 3 days

**If Care Home reports deterioration or no improvement of symptoms, consider increased level of care or admission to hospital.**

References: Diagnosis of urinary tract infections (UTIs)-PHE. SIGN 88-Diagnosis and Management of Suspected UTI in Older People