

Bundle for preventing urinary tract infections in community settings when inserting and maintaining a urinary catheter

Statement: Indwelling urinary catheters are the most commonly used invasive device in NHS Scotland; however, their use can lead to serious life-threatening complications. Indwelling urinary catheters give rise to urinary tract infections. Healthcare workers, therefore, have a duty to patients to optimise indwelling urinary catheter care and to ensure that indwelling urinary catheter care does not cause the patients harm.

Objective: To optimise indwelling urinary catheter insertion and thereby minimise the risk of catheter associated urinary tract infection
To be able to demonstrate quality indwelling urinary catheter care in our caseload.

It should be decided locally how to implement this checklist. Consideration for implementation should also be given to 'Plan, Do, Study, Act' testing in addition to when it is completed, how often it is completed, who completes it and how the data are collected and outcomes fed back.

Date:	Staff member:				
Criteria for Inserting a Urinary Catheter		Pt 1		Example	
1. Alternatives to urethral catheterisation have been considered and the clinical reason for indwelling urinary catheter is clearly documented		Yes	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
2. Aseptic technique was used for insertion of indwelling urinary catheter		Yes	No	<input type="radio"/> Yes	<input checked="" type="radio"/> No
3. The indwelling urinary catheter was the smallest gauge, once inserted, the balloon was filled to the recommended level i.e. 10mls (unless clinically indicated)		Yes	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
4. The urethral meatus was cleaned with sterile saline and single use sterile lubricant was used prior to inserting the indwelling urinary catheter		Yes	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No
5. Aseptic technique was applied/maintained when connecting the indwelling urinary catheter to a sterile closed drainage system		Yes	No	<input checked="" type="radio"/> Yes	<input type="radio"/> No

Action Plan (complete when **not** all criteria met)

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Date:	Staff name:													
Criterion for maintaining a Urinary Catheter	Pt 1		Pt2		Pt3		Pt4		Pt5		Example			
1. There has been a review* of the need for the indwelling urinary catheter and the clinical reason for indwelling urinary catheter is clearly documented**, catheter was removed if possible	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
2. The connection between the indwelling urinary catheter and the drainage system has not been broken except to meet clinical requirements (e.g changing the bag in line with manufacturers' recommendations)	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
3. Meatal hygiene was performed today	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
4. The drainage bag was emptied when clinically indicated; the drainage tap is not in contact with any environmental surface.	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
5. Hand hygiene was performed immediately prior to access or manipulation of the indwelling catheter	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No

*Frequency of review should be determined locally.

**Document the need for the indwelling catheter e.g. to monitor urinary output (haemodynamic monitoring) or post urological surgery; patient cannot sufficiently empty their bladder (bladder outlet obstruction) and self catheterisation is not appropriate; patient is severely ill or has a disability that makes moving or changing very painful; patient has open wounds or pressure sores around their buttocks that are frequently contaminated with urine.

Action Plan (complete when **not** all criteria met)

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Summary Table of Indwelling Urinary Catheter for insertion checklist	
Percentage compliance = $\frac{\text{total number of criteria achieved}}{\text{total number of criteria}} \times 100$	Example: $\frac{4}{5} \times 100 = 80\%$

	Summary Table of Indwelling Urinary Catheter maintenance checklist	Total	Calculation for percentage compliance for each criteria	Percentage compliance
A	Total number of patients with indwelling urinary catheters today			
B	Total number of patients that have had a review of the need for the indwelling catheter with the clinical reason for indwelling urinary catheter clearly documented; and catheter was removed if possible		$\frac{\text{Total for B}}{\text{Total for A}} \times 100$	
C	Total number of patients where the connection between the indwelling urinary catheter and the drainage system was not broken except to meet clinical requirements (e.g. changing the bag in line with manufacturers' recommendations)		$\frac{\text{Total for C}}{\text{Total for A}} \times 100$	
D	Total number of patients who had meatal hygiene was performed today		$\frac{\text{Total for D}}{\text{Total for A}} \times 100$	
E	Total number of patients whose drainage bag was emptied when clinically indicated using a clean, disposable container		$\frac{\text{Total for E}}{\text{Total for A}} \times 100$	
F	Total number of patients where hand hygiene was performed immediately prior to access or manipulation of the indwelling urinary catheter		$\frac{\text{Total for F}}{\text{Total for A}} \times 100$	

Summary Table of Indwelling Urinary Catheter maintenance checklist	
Total Percentage compliance = $\frac{\text{total number of criteria achieved}}{\text{total number of criteria}} \times 100$	Example: For 5 patients (all criteria met) For 2 patients (3 criteria not met) $\frac{25}{25} \times 100 = 100\%$ $\frac{7}{10} \times 100 = 70\%$