



# Reduce preventable harm from urinary catheterisation

Bard™ Foley Catheterisation Tray

# Healthcare-associated infections

Healthcare-associated infections (HCAIs) are estimated to cost the NHS approximately **£1 billion** a year and **£56 million** of this is estimated to be incurred after patients are discharged from hospital.<sup>1</sup>



## Impact of Healthcare-associated infections<sup>2</sup>



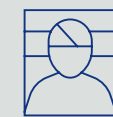
+1

Increased costs



+2

Additional use of  
NHS resources



+3

Greater  
patient discomfort

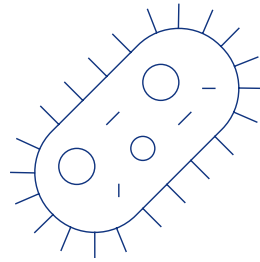


+4

Decrease in  
patient safety

## Catheter-associated urinary tract infections

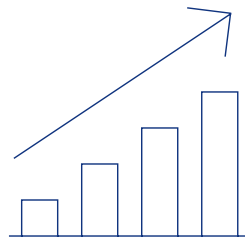
Urinary tract infections (UTIs) account for 19% of HCAs and up to 56% of these are associated with a urethral catheter<sup>2</sup>



- Complications, inflammation/urethral strictures
- Treatment contributing to antibiotic resistance
- Falls, delirium, patient discomfort and increased mortality<sup>2</sup>

## Efficiency and effectiveness

Impact of Catheter-associated urinary tract infections (CAUTIs): Increased costs and decreased patient safety<sup>2</sup>



- Burden on staff resources
- Average cost to treat is £1,968 per patient
- CAUTI's estimated to cost the NHS £99 million a year to treat<sup>2</sup>

## Patient flow

CAUTIs impact patient flow and bed blocking<sup>3</sup>



- Hospital re-admission
- Delayed discharge
- National average hospital stay extended by 6 days<sup>3</sup>

## epic3 guidelines<sup>2</sup>

Guidelines for best practice outline the following process for catheter insertion:

- Clean the urethral meatus
- Use a sterile, closed drainage system
- Use careful hand hygiene
- Use an aseptic technique
- Use personal protective equipment
- Urethral lubrication should be used on all patients

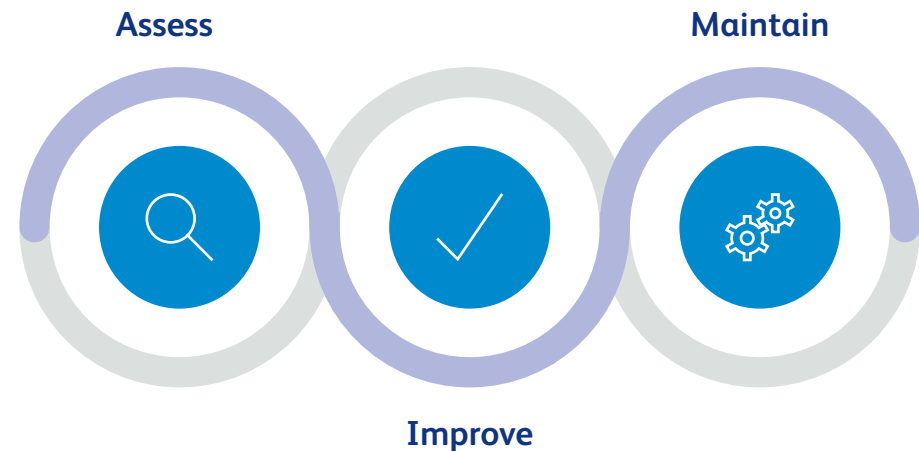
## Bard™ Foley Catheterisation Tray

Containing the essential items to either catheterise or re-catheterise, the Bard™ Foley Catheterisation Tray is designed to simplify the catheterisation procedure. The Bard™ Tray aligns with national guidelines, helping to reduce the risk of infection, improve patient safety and lower costs.<sup>6,7,8</sup>

## BD Zero-In™ clinical audit

BD Zero-In™ comprehensive clinical solutions programme magnifies variation in Foley catheter management practices. Determining the most common errors and procedural variation helps BD comprehensive clinical solutions provide targeted training to hospital personnel on using BD products.

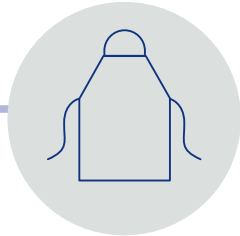
The BD Zero-In™ programme consists of three key elements: assess, improve and maintain. These steps are aligned with the six sigma process to help uncover potential variations in Foley catheter management practices.



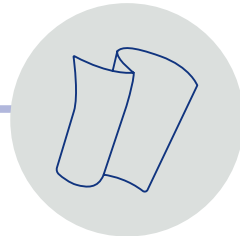
# What's in the Tray?



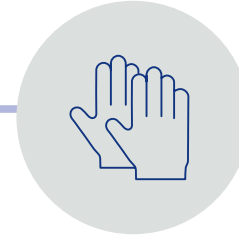
**Refuse bag  
(Community Tray only)**



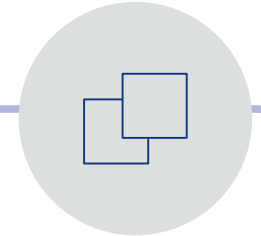
**Apron**



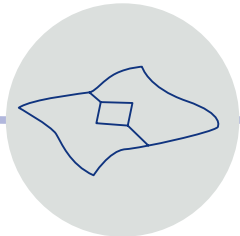
**Protective underpad**



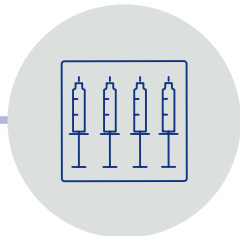
**Latex free gloves  
(2 pairs)**



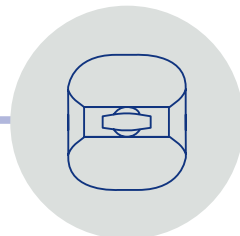
**Gauze**



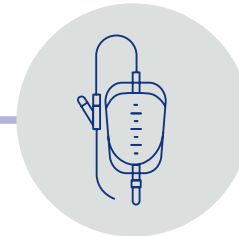
**Fenestrated drape**



**10ml syringe  
10ml sterile water  
Cleansing solution  
Lubricating gel**



**StatLock™ Foley  
Stabilisation Device**



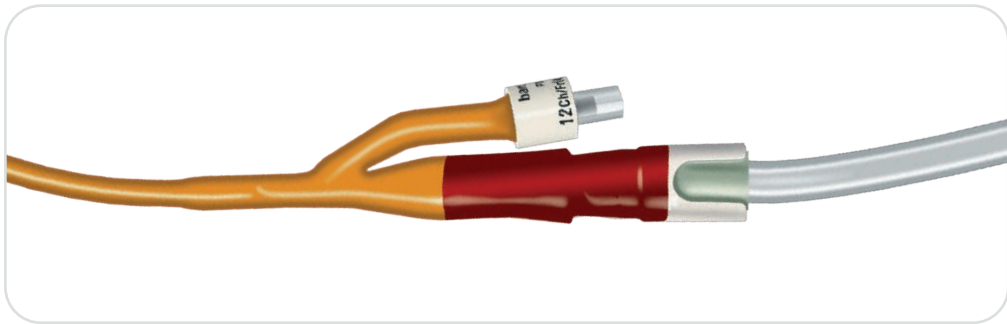
**Foley Catheter  
Preconnected to  
drainage bag**



**Bard™ Foley  
Catheterisation Tray**

# Preconnected drainage system

The preconnected catheter and collection system has a removable tamper evident seal at the catheter/drainage tube junction. Preventing accidental bag disconnection and misguided breakage of the sterile closed system reinforces good clinical practice.



**41%**  
Reduction  
in CAUTI

- For a catheterisation period ranging from 7-8 days, a preconnected system reduced the incidence of CAUTI's by 41% compared to open-systems.<sup>4</sup>
- Compared to an open system used for 8-days, a preconnected closed drainage system did not significantly increase the risk for CAUTI when used for 14-days.<sup>5</sup>

## Endorsed by both the ANTT® and the Infection Prevention Society

The Association for Safe Aseptic Practice (ASAP) has evaluated the Bard™ Foley Catheterisation Tray as a device that promotes safe and effective aseptic technique according to ANTT® principles and practice.










Endorsed by the Infection Prevention Society (IPS) as part of the Industry Insights initiative.



<sup>9</sup>In accordance with best practices, BD recommends that the collection bag on a PreConnect Closed Drainage system can remain connected for up to 14 days, based on clinician direction, if the tamper evident seal remains intact.

# Case studies

NHS Trusts already using the Bard™ Foley Catheterisation Tray have demonstrated a number of clinical and economic benefits.

Nottingham University Hospital NHS Trust	 80% Reduction in CAUTI rate <sup>6</sup>	 £160k Cost avoidance of treating CAUTIs and efficiency savings <sup>6</sup>	 Best practice compliance improved <sup>6</sup>
Sherwood Forest Hospitals NHS Foundation Trust	 80%+ Reduction in CAUTI rate <sup>7</sup>	 33,000 Estimated cost saving <sup>7</sup>	 Standardised catheterisation practice <sup>7</sup>
University Hospitals of North Midlands NHS Trust	 5 Minutes saved per catheterisation <sup>8</sup>	 78.12 kg Reduction in clinical waste <sup>8</sup>	 23.71 kg Recyclable card/paper <sup>8</sup>



## Script-easy™

**Register your patients with Script-easy™  
FREE Home Delivery service.**

A Dispensing Appliance Contractor (DAC) registered with the NHS, Script-easy™ can provide discreet and reliable delivery of prescribed continence appliances directly to patients own homes.

Freephone:

**0800 470 1930**

Nurse advice line freephone:

**0800 168 4048**

Email:

**[script-easy@bd.com](mailto:script-easy@bd.com)**

Web:

**[scripteasy.co.uk](http://scripteasy.co.uk)**



## Community ordering codes

Foley catheter	Collection system	Product code (Standard Length)	Pip code	Product code (Female Length)	Pip code
Bardex™ I.C. Anti-Infective Foley Catheter with Bacti-Guard® Silver Alloy Coating and BD Hydrogel	Preconnected to Uriplan™ Leg Bag D5S Direct Inlet	D23655S12	356-7997	D23695S12	356-8094
		D23655S14	356-8003	D23695S14	356-8102
		D23655S16	356-8029	D23695S16	356-8110
	Preconnected to Uriplan™ Leg Bag D5M 10cm Inlet	D23655M12	356-7955	D23695M12	356-8060
		D23655M14	365-7963	D23695M14	356-8078
		D23655M16	356-7971	D23695M16	356-8086
	Preconnected to Uriplan™ Leg Bag D5L 30cm Inlet	D23655L12	356-7922	D23695L12	356-8037
		D23655L14	356-7930	D23695L14	356-8045
		D23655L16	356-7948	D23695L16	365-8052
Biocath™ Hydrogel Coated Foley Catheter	Preconnected to Uriplan™ Leg Bag D5S Direct Inlet	D22655S12	344-0138	D22695S12	344-0294
		D22655S14	344-0146	D22695S14	344-0302
		D22655S16	344-0153	D22695S16	344-0310
	Preconnected to Uriplan™ Leg Bag D5M 10cm Inlet	D22655M12	344-0104	D22695M12	344-0260
		D22655M14	344-0112	D22695M14	344-0278
		D22655M16	344-0120	D22695M16	344-0286
	Preconnected to Uriplan™ Leg Bag D5L 30cm Inlet	D22655L12	344-0070	D22695L12	344-0161
		D22655L14	344-0088	D22695L14	344-0179
		D22655L16	344-0096	D22695L16	344-0187
Lubri-Sil™ Hydrogel Coated All Silicone Foley Catheter	Preconnected to Uriplan™ Leg Bag D5S Direct Inlet	D17585S12	343-9957	D17615S12	344-0047
		D17585S14	343-9965	D17615S14	344-0054
		D17585S16	343-9973	-	-
	Preconnected to Uriplan™ Leg Bag D5M 10cm Inlet	D17585M12	343-9924	D17615M12	344-0013
		D17585M14	343-9932	D17615M14	344-0021
		D17585M16	343-9940	-	-
	Preconnected to Uriplan™ Leg Bag D5L 30cm Inlet	D17585L12	343-9890	D17615L12	343-9981
		D17585L14	343-9908	D17615L14	343-9999
		D17585L16	343-9916	-	-

## Hospital ordering codes

Foley catheter	Collection system	Product code (Standard Length)
Biocath™ Hydrogel Coated Foley Catheter	Preconnected to 500mL Leg Bag	TR22645M (12–16)
	Preconnected to 2 Litre Bed Bag	TR22642L (12–16)
	Preconnected to Urinometer	TR2264UM (12–16)
Lubri-Sil™ Hydrogel Coated All Silicone Foley Catheter	Preconnected to 500mL Leg Bag	TR17585M (12–16)
	Preconnected to 2 Litre Bed Bag	TR17582L (12–16)
	Preconnected to Urinometer	TR1758UM (12–16)
Bardia™ PTFE Coated Latex Foley Catheter	Preconnected to 500mL Leg Bag	TR12455M (12–16)
	Preconnected to 2 Litre Bed Bag	TR12452L (12–16)
	Preconnected to Urinometer	TR1245UM (12–16)





## References

- 1 Healthcare-associated infections: prevention and control in primary and community care Clinical Guideline, NICE – National Institute for Health and Care Excellence. Published: 28 March 2012 [www.nice.org.uk/guidance/cg139](http://www.nice.org.uk/guidance/cg139) (Accessed 14.03.2022)
- 2 H P Loveday, J A Wilson, R J Pratt et al., epic3: National Evidence-Based Guidelines for Preventing Healthcare-Associated Infections in NHS Hospitals in England. *Journal of Hospital Infection* 86S1 (2014) S1–S70
- 3 Health and social care directorate - Quality standards and indicators briefing paper - Urinary tract infections in adults. NICE – National Institute for Health and Care Excellence. September 2014
- 4 M Madeo, B Barr and E Owen, A study to determine whether the use of a preconnect urinary catheter system reduces the incidence of nosocomial urinary tract infections. *Journal of Infection Prevention* 2009; 10; 76
- 5 T Miyake, H Doi, Urinary tract infection surveillance through comparative investigation of closed urine collection system and conventional method. *Medica Publiment K. K. Infection Control* Vol. 7 (1998): No. 12; 88-92
- 6 A Cartwright, Reducing catheter-associated urinary tract infections: standardising practice. *British Journal of Nursing*, 2018, Vol 27, No 1
- 7 S Palmer, R Dixon, Reducing catheter-associated urinary tract infections through best practice: Sherwood Forest Hospitals' experience. *British Journal of Nursing*, 2019, Vol 28, No 1
- 8 SCCL value based procurement project - pilot report for Bard™ Tray implementation at University Hospital of North Midlands
- 9 M Madeo, A J Roodhouse, Reducing the risks associated with urinary catheters. *Nursing Standard* 2009: 23, 29, 47-55.



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