

# The Canadian National CTU Foley Catheter Study



## 2 Don't place, or leave in place, urinary catheters without an acceptable indication (such as critical illness, obstruction, palliative care).

Use of urinary catheters without an acceptable indication of use increases the likelihood of infection leading to greater morbidity and health care costs. Catheter-associated bacteriuria often leads to inappropriate antimicrobial use and secondary complications including emergence of antimicrobial-resistant organisms and infection with clostridium difficile. A previous study showed that physicians are often unaware of urinary catheterization among their patients. Use of urinary catheters has found to be inappropriate in up to 50% of cases, with urinary incontinence listed as the most common reason for inappropriate and continued placement of urinary catheters. Clinical practice guidelines support the removal or avoidance of unnecessary urinary catheters in order to reduce the risk of catheter-associated urinary tract infections (CAUTIs).

# Question?

- Across participating CTUs in Canada, what is the prevalence of Foley catheterization?
  - What are the indications for the use of these indwelling catheters?
  - Which participating units have an “active” Foley reduction program?

# Methods

- Week long daily prevalence audits recording:
  - # of patients
  - # with Foley
  - Indications for Foley
- “Active Foley Program” means the centre has a program whereby unnecessary catheter insertions are actively discouraged and catheters in place are regularly audited and removed based on physician order or nursing medical directive.
  - More on “active programs” later

# Participation from 9 centres total from:

- Alberta
- British Columbia
- Ontario
- Prince Edward Island
- Quebec



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# The Results!

Centre	Total Patient Days	Total Foley Days	Foley Rate	Obstruction (%)	Retention (%)	Palliative (%)	Sacral Ulcer (%)	Urine Output (%)	Other (%)	Don't Know (%)	Active Foley Program
A	87	2	2.3	0	0	0	0	100	0	0	Active
B	425	27	6.4	19	37	15	0	7	22	0	Active
C	455	32	7.0	34	28	0	16	0	25	0	Active
D	527	42	8.0	45	17	10	0	2	24	2	Active
E	311	36	11.6	3	61	28	0	8	0	0	No
F	285	48	16.8	21	19	10	6	23	10	10	No
G	405	77	19.0	9	27	10	0	14	32	3	No
H	394	80	20.3	25	14	1	0	35	16	9	No
I	253	82	32.4	2	28	20	22	10	0	10	No