

Article: Accuracy of Urinary Symptoms Questionnaires for People with Neurogenic Bladder who can Void or who use Catheters

Original Title: Validity of the Urinary Symptom Questionnaires for People with Neurogenic Bladder (USQNB) Who Void or Use Indwelling Catheters

Original Title: Preliminary validation of a Urinary Symptom Questionnaire for individuals with Neuropathic Bladder using Intermittent Catheterization (USQNB-IC): A patient-centered patient reported outcome



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Key points:

- The study team examined whether the Urinary Symptom Questionnaires for Neurogenic Bladder (USQNBs) accurately represent urinary symptoms indicative of urinary tract infection in people with neurogenic bladder who void, use intermittent or indwelling catheters.
- This research suggests that healthcare professionals and people with neurogenic bladder can use the USQNBs to monitor their urinary symptoms.
- This research is important because it confirms that the USQNBs can be useful for researchers, clinicians and people with neurogenic bladder. It's important to note that there are 3 USQNBs specific to bladder management method (void, intermittent catheterization and indwelling catheterization).
- For USQNBs visit www.Medstarresearch.org/bladderrehab

Plain language summary:

The researchers have developed 3 different USQNB questionnaires, which are tools to measure urinary symptoms among people with neurogenic bladder: 1 for people who void (do not use a catheter), 1 for people who use indwelling catheters, and 1 for people who use intermittent catheters. These studies examined how well the USQNBs work for individuals with neurogenic bladder.

To participate in one of these two studies, individuals had to meet specific criteria: they needed to have neurogenic bladder and be able to void or use an indwelling catheter or intermittent catheter, be at least 18 years old, and be able to understand and respond to the questionnaire. Researchers asked people with neurogenic bladder to complete either the USQNB-void,

USQNB-indwelling, or the USQNB-intermittent, each containing questions about their bladder symptoms.

In summary, this research suggests that the USQNBs are a good, accurate tools for assessing urinary symptoms related to UTI. This research provides valuable guidance to patients and doctors, showing that they can trust the USQNBs to better understand their neurogenic bladder symptoms.

The researchers are now using these tools in other research, to develop diagnostic guidelines for UTI in people with neurogenic bladder, and in an app so that people with neurogenic bladder can better monitor their symptoms and response to treatments.

Keywords and acronyms:

- **Neurogenic bladder:** A condition where the nerves that control the bladder are damaged or not working well. This can cause problems with controlling when and how much you urinate.
- **UTI:** Urinary Tract Infection
- **Validity:** How well something does what it is supposed to do. When we say something is valid, we mean it works correctly and gives accurate results.
- **USQNB:** Urinary Symptom Questionnaire for people with neurogenic bladder
- **Indwelling catheters:** A catheter with a tube that stays inside your body to help drain urine from the bladder.
- **Intermittent catheters:** A catheter with a tube that is inserted into the bladder temporarily to drain urine and then removed after each use.
- **Void:** To empty the bladder voluntarily without using a catheter

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