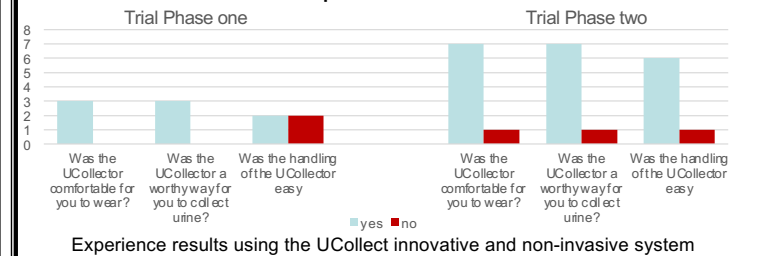


# Validation of a smart urine collection system, for dignified sample collection of incontinent older adults

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## Introduction & Methods

This study is based on trial results, including urinalysis (a test of urine) of a newly developed urine collection method (referred to as UCollect). Data from three older adults in the control trial group (using the conventional toilet hat method) and three older adults in the UCollect trial group was included in the trial phase one. Older adults and caregiver feedback was used to improve the UCollect system. Data from five older adults in the control trial group (using the conventional toilet hat method) and 10 older adults in the UCollect trial group (using the improved UCollect system) was included in the trial phase two.



Experience results using the UCollect innovative and non-invasive system

## Results & Conclusions

In the trial phase one, urinalysis results showed that bacteria were present within the same acceptable range in all the urine samples: both in the one sample collected with UCollect and three samples collected with the toilet hat method. Three out of three older adults found the UCollect comfortable to wear and a non-derogatory way of urine collection.

In the trial phase two, 7 out of 10 urine samples, collected with the UCollect, had enough quantity to be sent to a laboratory. Urinalysis results showed that bacteria were present in the same range in all the collected urine samples.

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