

Preventing Antibiotic Resistance by Improving UA Collection

Background

During infection prevention audits, RRH identified an increased number of contaminated urine analyses (UA) results. This often leads to an unconfirmed diagnosis of Urinary Tract Infection (UTI) and unnecessary treatment with antibiotics.

- Decrease contaminated UA results
- Decrease unconfirmed UTI diagnoses

Changes Tested

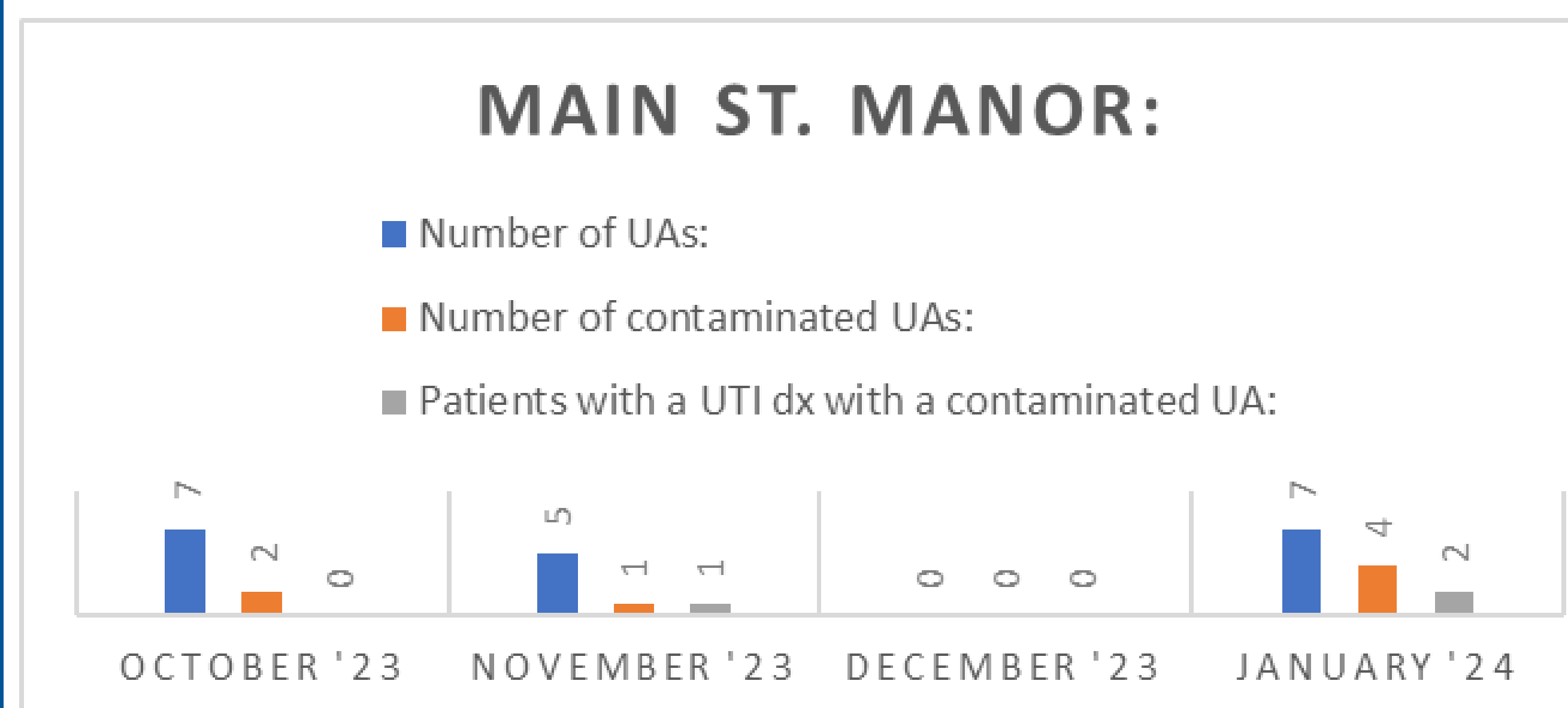
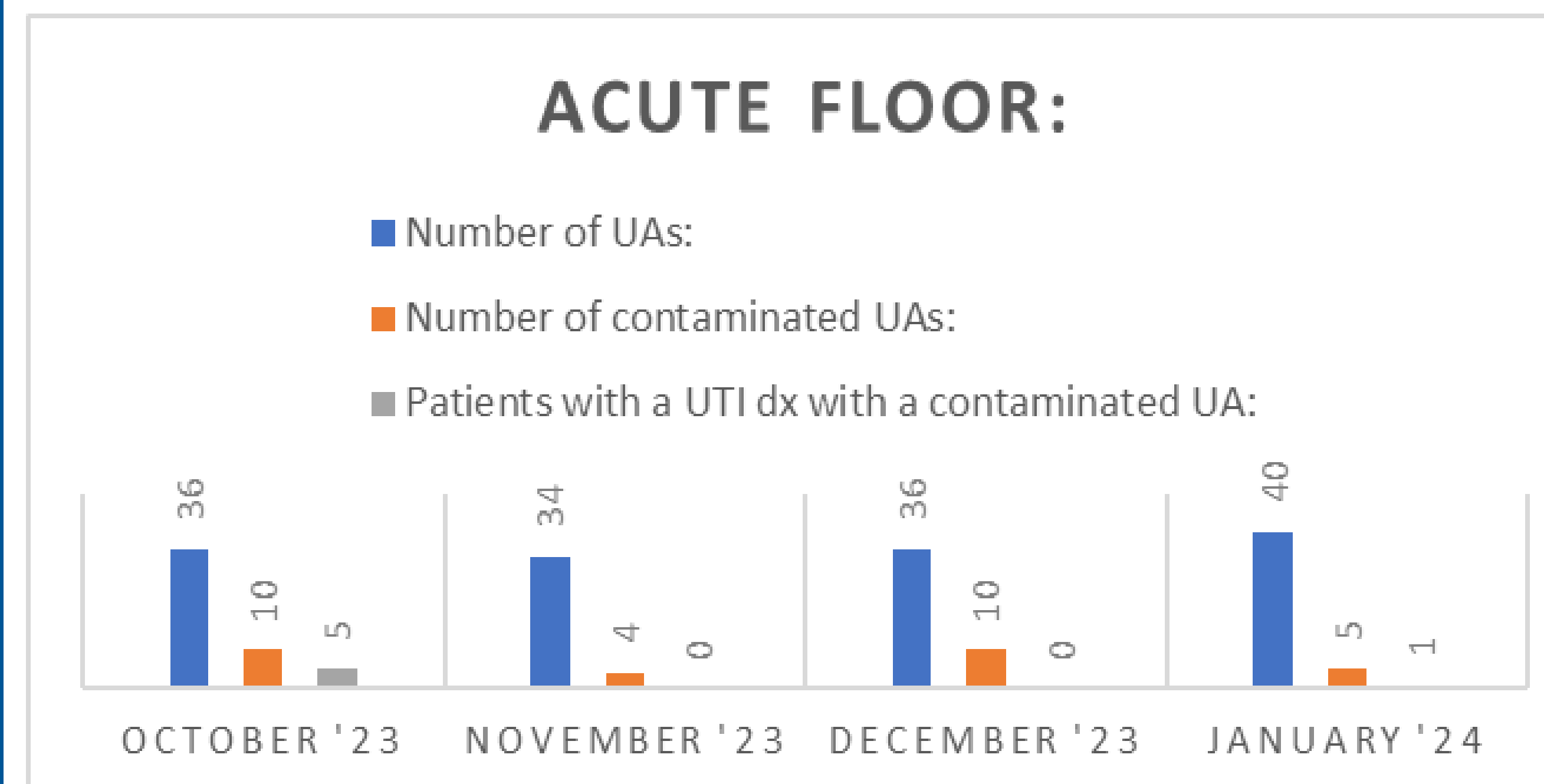
- Laminated signs educating patients on hygiene for proper UA collection placed into clinic bathrooms
- Purchased and stocked correct wipes for use in bathrooms where UAs are collected. Placed with other UA supplies
- Staff educated on hygiene for proper UA collection and asked them to educate every patient on how to obtain clean samples
- Medical staff approved disposal of urine samples containing epithelial cells and requiring new samples to be collected



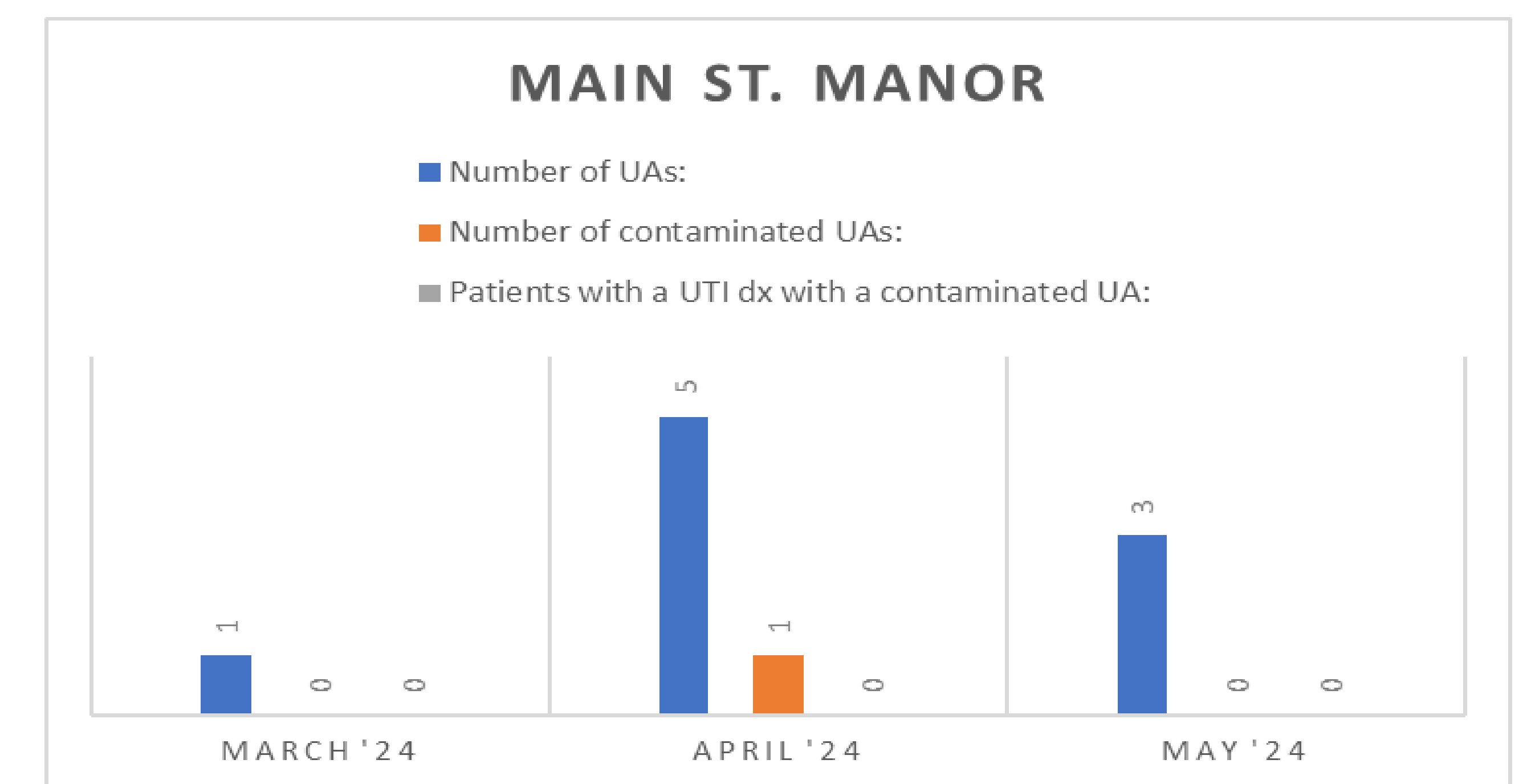
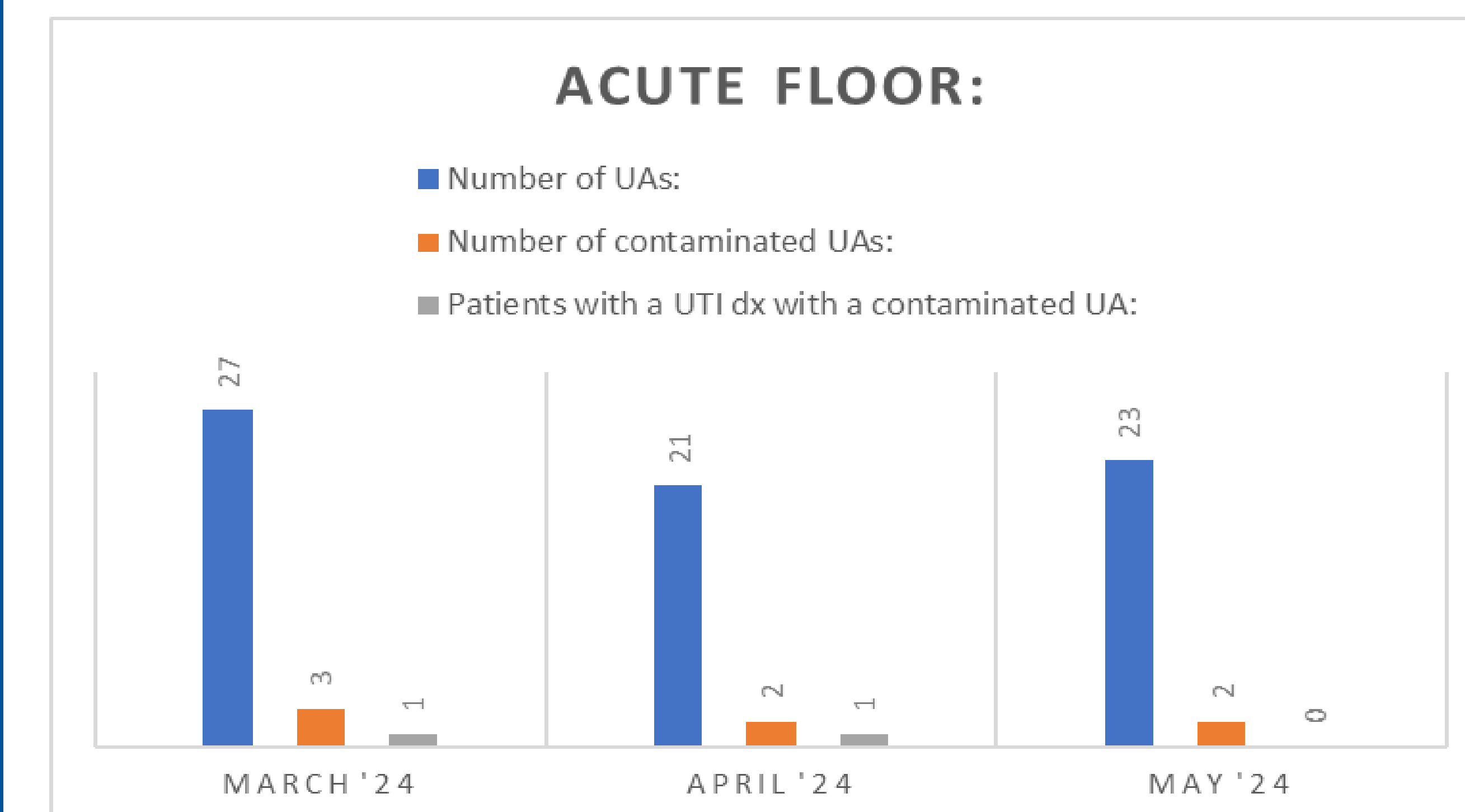
Results

RRH measured pre and post UA results

- Total UA's collected
- Number contaminated
- Patients with UTI dx and contaminated UA



Post results:



Decreases in both contaminated UA's and unconfirmed diagnoses were seen both on our acute floor and in our Main St. Manor location.

Lessons Learned

RRH educated providers on how using the proper antibiotics based on the clean culture created better outcomes for patients. Providers now aid in patient education to get a clean sample the first time.

Next Steps

Continue to monitor results and incorporate improvement as needed

Team Members

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