

# Bacteremia from a Presumed Urinary Source in Hospitalized Adults with Asymptomatic Bacteriuria (ASB)

Results from 11,590 hospitalized patients with Asymptomatic Bacteriuria (ASB) (7/1/2017-6/30/2022) across 68 Michigan hospitals.

## Bacteremia was rare in Patients with ASB

**72.2% (8364)** received antimicrobial treatment for UTI



Only **1.4% (161)** had bacteremia from a presumed urinary source

**No single factor** was associated with more than **2%** risk of bacteremia

## ASB with Altered Mental Status and No Systemic Signs of Infection

(2126 patients)



### No Systemic Signs of Infection

- No SIRS
- No Leukocytosis
- No systolic blood pressure <90

**ONLY**

**0.7%**

had **bacteremia** from a presumed urinary source



In patients with ASB, bacteremia from a presumed urinary source was rare even in those with altered mental status. A personalized, risk-based approach to empiric antibiotic therapy could decrease **70%** of unnecessary ASB treatment.