

***C. difficile* Prevention Collaborative Antimicrobial Stewardship Workgroup**

Thursday, April 10, 2014

DID YOU KNOW?

- On a single day, 1 in 5 (20%) patients in acute care hospitals in Rochester who receive antibiotics for treatment of urinary tract infection (UTI) had no documented symptoms of UTI¹
- Of all hospital in-patients treated for UTI, 5 of 6 (86%) did not meet treatment criteria for UTI^{1,2}

Summary Recommendations

In an effort to minimize exposure to antimicrobials highly associated with subsequent *C. difficile* infection, the stewardship workgroup recommends the following:

AVOID OVERTESTING & TREATING ASYMPTOMATIC BACTERIURIA

Order a urinalysis and urine culture only in cases where one of the following are met:

- a. SIRS criteria are met and there is no other clinical source identified
- b. Fever AND ≥ 1 urinary symptom* is present
- c. ≥ 2 urinary symptoms* are present

MENTAL STATUS CHANGES ALONE ARE NOT SUFFICIENT INDICATION TO TEST THE URINE

DO NOT TREAT ASYMPTOMATIC BACTERIURIA IN MOST PATIENTS

*Urinary tract symptoms: dysuria, urgency, flank pain, shaking chills, new onset urinary incontinence, frequency, gross hematuria, suprapubic pain²

References:

1. Stone ND, Ashraf MS, Calder J et al. Infect Control Hosp Epidemiol 2012;33:965-77/
2. Loeb M, Brazil K, Lohfeld. BMJ 2005;331:669.