

## Onsite tests have high specificity for bacteriuria

August 15 2016

---



(HealthDay)—Onsite tests have high specificity for detecting

asymptomatic bacteriuria among pregnant women, but sensitivity is lower, according to a review published in the September issue of *Obstetrics & Gynecology*.

Ewelina Rogozińska, from Queen Mary University of London, and colleagues estimated the accuracy of onsite tests to detect asymptomatic bacteriuria among pregnant women. Studies were included that recruited asymptomatic [pregnant women](#) to assess the accuracy of onsite tests, using urine culture as a reference standard. Data were included for 27 articles involving 13,641 women with [test](#) accuracy on nine tests.

The researchers found that urine dipstick was the most commonly evaluated test. The pooled sensitivity and specificity of nitrites detected by dipstick were 0.55 and 0.99, respectively, for detecting asymptomatic bacteriuria. The Griess test to detect nitrites had sensitivity and specificity of 0.65 and 0.99, respectively. Pooled sensitivity and specificity of 0.86 and 0.97, respectively, were seen for dipslide with Gram staining.

"The specificity of onsite tests is high; however, the [sensitivity](#) is not with the result that they will fail to detect a substantial number of cases of asymptomatic bacteriuria," the authors write.

**More information:** [Full Text \(subscription or payment may be required\)](#)

Copyright © 2016 [HealthDay](#). All rights reserved.

Citation: Onsite tests have high specificity for bacteriuria (2016, August 15) retrieved 23 April 2024 from <https://medicalxpress.com/news/2016-08-onsite-high-specificity-bacteriuria.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private

study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.