

Drop in proportion of neonates with long IV therapy for UTI

November 4 2017



(HealthDay)—From 2005 to 2015 there was a decrease in the proportion

of infants aged ≤ 60 days with a urinary tract infection (UTI) who received four or more days of intravenous (IV) antibiotics, according to a study published online Nov. 2 in *Pediatrics*.

William W. Lewis-de los Angeles, M.D., from Ann & Robert H. Lurie Children's Hospital of Chicago, and colleagues analyzed data from the Pediatric Health Information System database from 2005 through 2015 for [infants](#) aged ≤ 60 days old diagnosed with a UTI who were admitted to a children's hospital and received IV antibiotics.

The researchers found that from 2005 to 2015 there was a decrease in the proportion of infants ≤ 60 days old receiving four or more days of IV antibiotics (long IV treatment) from 50 to 19 percent. There was variation in the proportion of infants aged ≤ 60 days receiving long IV treatment at 46 children's hospitals from 3 to 59 percent; this was not associated with readmission (correlation coefficient, 0.13; $P = 0.37$). Readmission for a UTI was associated with younger age and female sex in [multivariable analysis](#) but not with duration of IV [antibiotic therapy](#) (adjusted odds ratio for long IV treatment, 0.93; 95 percent confidence interval, 0.52 to 1.67)

"These findings support the safety of short-course IV antibiotic therapy for appropriately selected neonates," the authors write.

One author disclosed ties to Merck.

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

Copyright © 2017 [HealthDay](#). All rights reserved.

Citation: Drop in proportion of neonates with long IV therapy for UTI (2017, November 4)

retrieved 25 April 2024 from

<https://medicalxpress.com/news/2017-11-proportion-neonates-iv-therapy-uti.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.