

Accepted Manuscript

Title: Multidrug resistance dissemination by extended-spectrum β -lactamase-producing *Escherichia coli* causing community-acquired urinary tract infection in the Central-Western Region, Brazil

Author: Laura Fernandes Gonçalves Paulo de Oliveira
Martins-Júnior Ana Beatriz Fabrício de Melo Rafaella
Christina Rocha Moreira da Silva Vicente de Paulo Martins
André Pitondo-Silva Tatiana Amabile de Campos



PII: S2213-7165(16)30021-2
DOI: <http://dx.doi.org/doi:10.1016/j.jgar.2016.02.003>
Reference: JGAR 234

To appear in:

Received date: 23-12-2015
Revised date: 5-2-2016
Accepted date: 12-2-2016

Please cite this article as: Gonçalves LF, Martins-Júnior PO, Melo ABF, Silva RCRM, Martins VP, Pitondo-Silva A, Campos TA, Multidrug resistance dissemination by extended-spectrum *beta*-lactamase-producing *Escherichia coli* causing community-acquired urinary tract infection in the Central-Western Region, Brazil, *Journal of Global Antimicrobial Resistance* (2016), <http://dx.doi.org/10.1016/j.jgar.2016.02.003>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- We analysed 324 uropathogenic *Escherichia coli* isolated from outpatients in a teaching hospital in Brazil.
- 23 strains (7.1%) produced extended-spectrum β -lactamase (ESBL).
- Clonal analysis showed that multidrug resistance and CTX-M ESBL were distributed among all strains.
- Multilocus sequence typing showed the presence of pandemic clones.
- The results may explain the frequent occurrence of antibiotic multiresistance in the region.

Download English Version:

<https://daneshyari.com/en/article/8746672>

Download Persian Version:

<https://daneshyari.com/article/8746672>

[Daneshyari.com](https://daneshyari.com)