

Denton County 2016 Antibigram



Purpose

The Denton County Antibigram compiles data from the antibiograms of 6 healthcare facilities located within Denton County. Denton County appreciates the contributions from our hospitals and microbiologists who shared this information. The antibiogram summarizes antibiotic resistance patterns among the most common microorganisms detected by our hospitals in 2016. The purpose of this antibiogram is:

- To assist medical providers in selection of empirical antibiotic treatment before availability of an antibiotic resistance profile for the patient isolate.
- To monitor antibiotic resistance trends in our community.

Limitations

- Only the most commonly reported antibiotics and bacteria have been included in the Denton County Antibigram.
- No distinction is made between community-acquired and hospital acquired infections in the reported susceptibility percentages. Resistance patterns for both groups may differ.

Summary

- 2 cases of carbapenem-resistant *Klebsiella pneumoniae* and 1 case of carbapenem-resistant *Escherichia coli* were reported in Denton County residents.
- 11 cases of multidrug resistant *Acinetobacter* (MDR-A) were detected in Denton County residents.
- 47% of *Staphylococcus aureus* isolates were methicillin-resistant. All *Staphylococcus aureus* isolates were susceptible to vancomycin.
- Vancomycin-resistant enterococci (VRE) were detected, with vancomycin resistance detected in 3% of *E. faecalis* and 58% of *E. faecium* isolates.



Denton County Public Health
Health Emergency Alert Response Team
535 S. Loop 288
Suite 1043
Denton, TX 76205
<https://dentoncounty.com/health>

