



In This Issue:

- ◆ 2007 Community-Wide Antibioqram
Now Available Online

December 12, 2008

Vol. 28, No. 19

Telephone (775) 328-2447

Fax (775) 328-3764

epicenter@washoecounty.us

 WASHOE COUNTY HEALTH DISTRICT • P.O. BOX 11130 • RENO, NEVADA • 89520-0027 • (775) 328-2447

2007 COMMUNITY-WIDE ANTIBIOGRAM NOW AVAILABLE ONLINE

Know the Local Data, Prevent Antimicrobial Resistance

What is an *antibiogram*?



According to the Clinical and Laboratory Standards Institute (CLSI), formerly the National Committee for Clinical Laboratory Standards (NCCLS), an “antibiogram” is an overall profile of antimicrobial susceptibility of a microbial species to a battery of antimicrobial agents.^[1]

(Source of logo: Nevadans for Antibiotic Awareness)

Why a community-wide antibiogram?

One of the 12 steps to prevent antimicrobial resistance in various healthcare settings recommended by the Centers for Disease Control and Prevention (CDC) is to encourage clinicians to use local data. Please refer to CDC’s website (<http://www.cdc.gov/drugresistance/healthcare/patients.htm>) for details.

How is a community-wide antibiogram compiled?

Local hospitals and some private laboratories produce annual antibiograms for their institutions only. Between 2002 and 2006, the Washoe County Health District (WCHD) has compiled institution-based antibiograms and aggregated data to generate the community-wide antibiogram. Data were provided by clinical and private laboratories in Washoe County. The data were derived from the diagnostic laboratory tests among all inpatients in local hospitals and outpatients seen in private clinics where Quest or LabCorp were used. In 2007, antibiogram data for private laboratories were temporarily unavailable, therefore 2007 antibiogram data only covered all inpatients in local hospitals and outpatients seen at local hospital emergency rooms.

When is the community-wide antibiogram produced?

Because data are provided at different times by different organizations, the completion of the community-wide antibiogram prior to July of each year is unlikely. Generally, the community-wide antibiogram is available between October and December each year.

Who should use this antibiogram?

This antibiogram can be used as a reference for clinicians, infection control practitioners, pharmacists, microbiologists, public health professionals, and other interested parties. For clinicians working in hospitals, the hospital-specific antibiogram prepared by the hospital infection control committee or hospital microbiologists is preferred, as antimicrobial resistance varies greatly with different locales. For other health care professionals, please refer to the Health District’s website at <http://www.washoecounty.us/health/cdpp/warr.html> and click the link for [2007 Antibioqram](#).

Is this document useful?

The usefulness of the antibiogram was evaluated by WCHD. In 2005, survey forms along with 2004 antibiograms were sent to 741 registered physicians with valid mailing addresses in Washoe County. A total of 72 physicians responded to the survey; the overall rank was eight (8) on a scale of 1-10 (*10-the most useful, and 1-the least useful*). Sixty-two percent (62%) of respondents used either a community-wide antibiogram or institutionalized antibiogram in a hospital to modify their prescribing practices. The majority (92%) of respondents indicated a desire to receive an antibiogram every year from the Health District. About one-third of respondents provided excellent suggestions, such as making the document available in a PDA format. Beginning with the 2006 antibiogram, four

Please share this document with all physicians & staff in your facility/office.

different versions can be downloaded from the Health District's website. In 2008, the average web visits for 2006 antibiogram were 458 per month. The online version was the most popular format.

What is in the 2007 antibiogram?

- ◆ 2007 antibiotic susceptibility (%) data for 18 commonly seen organisms.
- ◆ Graphic representation of 2002-2007 antibiotic susceptibility (%) trend data in Washoe County.
- ◆ Summary of major findings such as MRSA, DRSP, and vancomycin-resistant *enterococci* (VRE), etc. Please see the 2007 antibiogram for details.

What is NEW in the 2007 antibiogram?

- ◆ Antibiotic susceptibility data for *Acinetobacter baumannii* was available in 2006 and 2007 therefore two year trend data was available for this organism.
- ◆ Screening data for production of extended spectrum beta-lactamase (ESBLs) was available from two laboratories.
- ◆ Four formats of the 2007 Antibiogram can be downloaded from the Health District's website at www.washoecounty.us/health/cdpp/warr.html to meet the majority of end users' needs.

These four formats are:

- ✓ **Pocket size** format is a colored copy on legal sized paper and can be folded into a pocket size (easy to carry).
- ✓ **Wall chart** format is a colored copy in a poster size (36" x 26") and easy to read, but hard to carry. It's good for health care providers' use in the office.
- ✓ **Online format** can be easily browsed on a device (e.g., computer, laptop, iPhone, etc.) with internet access.
- ✓ **Pocket PC format** is easy to install, read, and carry (highly recommended). End users should read installation instructions first.

ATTENTION!

If you received a 2006 antibiogram in both pocket size and wall-chart format last year, you will receive a 2007 antibiogram in both formats by mail in the near future. If you are a Washoe County healthcare provider, you are eligible (upon request) to receive a 2007 antibiogram in both formats at NO COST. Please email your request to EpiCenter@washoecounty.us and clearly indicate your name, medical group, and local mailing address.

We would like to hear from you! Your continued feedback and comments are very important for us to improve this product. Please address your questions, comments, and recommendations on the Health District's website at www.washoecounty.us/health/cdpp/warr.html.

Reference

[1] CLSI. *Analysis and Presentation of Cumulative Antimicrobial Susceptibility Test Data; Approved guideline-Second Edition*. CLSI document M39-A2. 2005.



WCHD is grateful to the following laboratories for their collaboration with community wide antibiogram development.

WCHD also thanks those health care providers who spent their time completing the survey in 2005 regarding the 2004 antibiogram. Your continued support is highly appreciated.

(in alphabetic order)
LabCorp, Reno Office
Northern Nevada Medical Center Laboratory
Quest Diagnostics, Reno Office
Renown Regional Medical Center Laboratory
Saint Mary's Regional Medical Center Laboratory
Veteran's Affairs Medical Center Laboratory (Reno)