



**Public Health Update**  
**November 21, 2019**  
**2019 Semiannual Countywide Antibigram Now Available!**

To help promote antimicrobial stewardship and reduce antimicrobial resistance, the Southern Nevada Health District (SNHD) Office of Epidemiology and Disease Surveillance (OEDS) has been conducting surveillance on antimicrobial resistance and created countywide antibiograms twice a year since 2016.

**Antimicrobial Resistance (AR)**

Antimicrobial resistance is the ability of bacteria or other microbes to resist the effects of an antibiotic that once could successfully treat the microbe. AR is a growing public health problem. Resistant microbes are more difficult to treat. Each year in the U.S., AR is responsible for at least 2 million illnesses and 23,000 deaths.

**Antimicrobial Stewardship**

Antimicrobial stewardship is a coordinated program that promotes the appropriate use of antimicrobials (including antibiotics), improves patient outcomes, reduces microbial resistance, and decreases the spread of infections caused by multidrug-resistant organisms. Misuse and overuse of antimicrobials have contributed to the growing problem of antimicrobial resistance.


**Countywide Antibigram**

An antibiogram is an overall profile of antimicrobial susceptibility testing results that shows how susceptible strains of organisms are to a variety of antibiotics. Antibiograms are often used by clinicians to assess local susceptibility rates, as an aid in selecting empiric antibiotic therapy, and in monitoring resistance trends over time.

The Clark County Antibigram is a countywide antibiogram which summarizes the antibiotic resistance patterns among the most common microorganisms detected in Clark County. Participating laboratories include two commercial laboratories and eleven hospital laboratories. Data include inpatient data in acute care hospitals and long-term care facilities, and outpatient data in the community. The antibiogram includes sensitivity patterns for gram-positive and gram-negative organisms in two populations: inpatients in acute care hospitals and in long-term care facilities, and outpatients in the community. The antibiogram can be viewed either as an At-A-Glance PDF version or as a web version for individual organisms.

The Clark County 2019 Semiannual Antibigram is now available for viewing on the SNHD website at:  
<https://www.southernnevadahealthdistrict.org/news-info/statistics-surveillance-reports/antibiogram/#/>.

If you have any questions regarding the Clark County Antibigram, please contact the Office of Epidemiology and Disease Surveillance (OEDS) at (702) 759-1300.



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**Health Alert:** conveys the highest level of importance; warrants immediate action or attention

**Health Advisory:** provides important information for a specific incident or situation; may not require immediate action

**Health Update:** provides updated information regarding an incident or situation; unlikely to require immediate action

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