



NEWS RELEASE

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Alabama joins CDC to spread the message about colds, flu and antibiotics

FOR IMMEDIATE RELEASE

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The Alabama Department of Public Health, Antimicrobial Resistance Program, is collaborating with the Centers for Disease Control and Prevention to help build awareness of the appropriate use of antibiotics.

Get Smart: Know When Antibiotics Work is a national public education campaign to assist Americans become better informed about antibiotic treatment, especially during the cold and flu season. Smart use of antibiotics is the key to controlling the spread of resistance. CDC's national campaign for appropriate antibiotic use has two objectives: reduce inappropriate antibiotic use and reduce the spread of resistance to antibiotics.

The campaign's key message is a basic medical fact: antibiotics do not effectively treat colds, flu and other viral illnesses. Antibiotics do not kill viruses, make patients with viral infections feel better, yield a faster recovery or keep others from getting sick. State and county health departments nationwide are joining forces to promote the campaign throughout their local communities.

"Recent research tells us that most Alabamians don't understand that antibiotics kill bacteria, not viruses," said Dr. Donald Williamson, state health officer. "People go to the doctor expecting to get antibiotics for a sick child or themselves. Many times, a prescription for antibiotics is the wrong course of treatment."

Tens of millions of the antibiotics prescribed in doctors' offices are for viral infections that are not treatable with antibiotics. Doctors cite diagnostic uncertainty, time pressure and patient demand as the primary reasons for this over-prescription.

"Antibiotics are powerful drugs that can work wonders when you need them for bacterial infections," said Dr. Williamson. "But please do not insist on antibiotics when your doctor says you have a virus, such as a cold or the flu."

Taking antibiotics when they are not needed creates additional health risks. Patients with viral infections are not getting the best treatment for their condition. In addition, widespread inappropriate use of antibiotics is fueling an increase in drug-resistant bacteria and threatens widespread drug-resistant illness.

Over the past decade, almost every type of bacteria has become less responsive to antibiotic treatment when it is needed. These antibiotic-resistant bacteria can quickly spread through a

community, introducing a new strain of infectious disease that is more difficult to cure and more expensive to treat.

Antibiotic resistance is one of the world's most pressing public health problems. Americans of all ages can lower this risk by learning about appropriate antibiotic use and taking antibiotics only when they are needed. In addition, CDC advises Americans not to save some antibiotics for the next time they get sick, and not to take an antibiotic that is prescribed for someone else.

According to the CDC antibiotic resistance is also a major contributor to the disease, death and costs resulting from hospital-acquired infections. Each year nearly 2 million patients in the United States get an infection as a result of receiving health care in a hospital. These hospital-acquired infections are often difficult to treat because the bacteria and other microorganisms that cause them frequently are resistant to anti microbial drugs. Overall, 70 percent of the bacteria causing such infections are resistant to at least one of the drugs most commonly used to treat these infections. One report placed the annual costs of antimicrobial resistance among a single pathogen (*Staphylococcus aureus*) at \$122 million.

In 2004, the CDC began looking at a mechanism for highlighting specific medical practices such as appropriate antibiotic use by managed care plans. The most widely used system of performance measures, the Health Plan Employer Data Information Set, was used to raise public awareness and improve medical practice. Two measures were developed from this which include appropriate treatment for children with upper respiratory infections and appropriate testing for children with pharyngitis. Outcomes of these measures are reported to the National Committee for Quality Assurance.

The health department is working with parents, physicians and infection control nurses statewide to promote the *Get Smart: Know When Antibiotics Work Campaign*.

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