#### **About antibiotics**

Antibiotics are among the most powerful and important medicines known. When used properly they can save lives, but used improperly, they can actually harm your child. Antibiotics should not be used to treat viral infections.

#### **Bacteria and viruses**

Two main types of germs-bacteria and vinues-cause most infections. In fact, vinues cause most coughs and some throats and all colds. Bacterial infections can be cured by antibiotics, but common viral infections never are. Your child recovers from these common viral infections when the illness has non its course.



#### Resistant bacteria

New strains of bacteria have become resistant to antibictics. These bacteria are not killed by the antibictic. Some of these resistant bacteria can be treated with more powerful medicines, which may need to be given by vein (IV) in the hospital, and a few are already untreatable. The more antibictics prescribed, the higher the chance that your child will be infected with resistant bacteria.

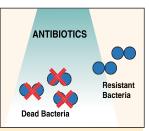


If infected with resistant bacteria, your child might need to be treated in the hospital.

#### How bacteria become resistant

Each time we take antibiotics, sensitive bacteria are killed, but resistant ones may be left to grow and multiply. Repeated use and improper use of antibiotics are some of the main causes of the increase in resistant bacte-

ria. These resistant bacteria can also be spreed to others in the family and community.



You can protect your child from resistant bacteria

A prescription for parents:

Learn about the differences between becterial and viral infections, and talk to your child's doctor about them. Understand that antibiotics should not be used for viral infections.



## When are antibiotics needed, and when are they not needed?

This complicated question is best answered by your doctor, and the answer depends on the specific diagnosis. Here are a few examples:

**Far infections.** There are several types; most med antibiotics, but some do not.

**Sins infections.** Most children with thick or green mucus do not have sinus infections. Antibiotics are needed for some lang-lasting or severe cases.

Cough or branchitis. Children rarely need antibiotics for branchitis.

**Size threat.** Most cases are caused by viruses. Only one main kind, "strep throat," requires antibiotics. This kind must be diagnosed by a laboratory test.

**Colos.** Colos are caused by viruses and may sometimes last for 2 weeks or more. Antibiotics have no effect on colos, but your doctor may have suggestions for comfort measures while the illness runs its course.

#### The infection may change

Viral infections may sometimes lead to batterial infections. But treating viral infections with antibiotics to prevent batterial infections does not work, and may lead to infection with resistant bacteria. Keep your doctor informed if the illness gets worse or lasts a long time, so that proper treatment can be given, as needed.

# When your child is sick, artibictics are not always the answer.



#### **Commonly asked questions**

#### What can I do to protect my child from antibiotic-resistant bacteria?

Use antibiotics only when your obstor has determined that they might be effective.

Antibiotics will not oure most colds, coughs, some throats, or numny moses-children fight off colds on their own.

### If mucus from the nose changes from clear to yellow or green, does this mean that my child needs an antibiotic?

Yellow or green mucus does not mean that your child has a bacterial infection. It is normal for the mucus to get thick and change color during a viral cold.

#### Does this mean I should never give my child antibiotics?

Antibiotics are very powerful medicines, and should be used to treat bacterial infections. If an artibiotic is prescribed, make sure you take the entire course and never save artibiotics for later use.

#### How do I know if my drild has a viral or bacterial infection?

Ask your doctor. If you think that your child might need treatment, you should contact your doctor. But remember, colds are caused by viruses, and should not be treated with antibiotics.

American Academy of Pediatrics









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# Your Child and Antibiotics



## Unnecessary Antibictics CAN Be Harmful

American Academy of Pediatrics

Centers for Disease Control and Prevention

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