



## DO YOU NEED ANTIBIOTICS?

You feel sick 🤧 and miserable 😞 and want to get better fast. It could be a cold or even the flu. 🤧 You're probably thinking you need antibiotics 💊 to knock out your illness and help you feel better.

**Not so fast!** 🛑 When antibiotics aren't needed, taking them won't help you, and the side effects could hurt you. 🚑

### 6 WAYS TO BE ANTIBIOTICS AWARE



Antibiotics save lives, but they aren't always the answer when you're sick.



Antibiotics do not work on viruses.



Antibiotics are only effective for treating certain infections caused by bacteria.



An antibiotic will NOT make you feel better if you have a virus.



Taking antibiotics creates resistant bacteria.



Any time antibiotics are used, they can cause side effects.

Magnolia's diagnostics are crucial for avoidance of unnecessary antibiotic use by distinguishing between bacterial & viral infections



ASK YOUR HEALTHCARE PROFESSIONAL ABOUT  
MAGNOLIA'S SERVICES TODAY.



## DO ANTIBIOTICS HAVE SIDE EFFECTS?

Any time antibiotics are used, they can cause side effects. When antibiotics aren't needed, they won't help you, and the side effects could hurt you.

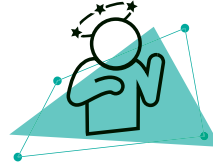
**Common side effects of antibiotics can include:**



Use of Magnolia's panels allows for more **optimal** choices of **appropriate therapy** and lessens the possibility of complications.



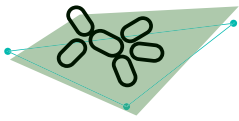
**Rash**



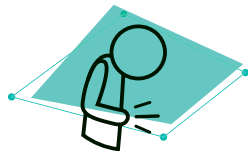
**Dizziness**



**Nausea**



**Yeast Infections**



**Diarrhea**

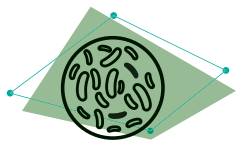
More serious side effects include Clostridium difficile infection (also called C. diff), which causes diarrhea that can lead to severe colon damage and death. People can also have severe and life-threatening allergic reactions.

**1 out of 5**

**MEDICATION-RELATED VISITS TO THE EMERGENCY ROOM ARE FROM REACTIONS TO ANTIBIOTICS.**

## WHAT IS ANTIBIOTIC-RESISTANT BACTERIA?

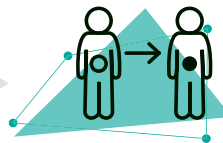
Antibiotic resistance occurs when bacteria no longer respond to the drugs designed to kill them. Anytime antibiotics are used, they can cause antibiotic resistance.



Bacteria, not the body, become resistant to the antibiotics designed to kill them.



When bacteria become resistant, antibiotics cannot fight them, and the bacteria multiply.



Some resistant bacteria can be harder to treat and can spread to other people.

**EACH YEAR IN THE U.S., AT LEAST 2 million PEOPLE GET INFECTED WITH ANTIBIOTIC-RESISTANT BACTERIA. AT LEAST 23,000 PEOPLE DIE AS A RESULT.**

[cdc.gov/antibiotic-use](https://www.cdc.gov/antibiotic-use)