

Form Approved
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Informed Consent

Before beginning the survey, there are a few things you should know.

On behalf of the Centers for Disease Control and Prevention (CDC), the research firm ICF is conducting an online survey with adults from the community to gather feedback on educational materials related to antibiotic use. These materials were developed in partnership with the CDC, and we hope to use what we learn from these survey results to improve these materials and/or how and where we promote them to raise awareness within your community. We expect this survey to take about 20 minutes. You will only be asked to complete this survey once.

We want to learn from you, so we encourage you to answer honestly. There are no right or wrong answers. If you agree to participate in the survey, here are some points to know:

Rights Regarding Participation: Your participation in this survey is completely voluntary. You may choose to leave the survey and/or not answer a question at any time for any reason. Refusal to participate will involve no penalty or loss of benefits.

Privacy: We will take every precaution to protect your identity and ensure your privacy. We will keep your name and answers to these survey questions private. Your name and contact information will be kept separate from any survey responses. We will never use your name in any reports.

Benefits: Your participation in the survey will not result in any direct benefits to you. However, your input will help us to develop and improve educational materials about sepsis for people like you.

Risks: There is no known risk to you for your participation in the survey.

Incentive: In appreciation of your time and participation, the recruiter will give you a token of appreciation valued at \$_____ for participating in today's survey.

Contact Information: If you have any questions about this survey or the campaign, please contact the research director, Kristen Cincotta, PhD, at 404-320-4433.

1. Do you agree to participate in the survey?

Yes

No

Termination

Thank you for your time. [Click here to exit this survey.](#)

Screener

The results of this survey will help the Centers for Disease Control and Prevention (CDC) refine its ongoing campaign to improve antibiotic use by helping CDC staff understand the public's response to the campaign and its key messages. You will be asked to complete different versions of the survey depending on whether you have seen or heard certain messages from the CDC about antibiotic use.

2. May we ask you some questions to see if you are a good match to take this survey?

Yes

No

3. Are you a healthcare provider

Yes

No

4. What type of healthcare provider are you?

Physician (MD or DO)

Licensed Practical Nurse (LPN)

Physician Assistant (PA)

Registered Nurse (RN)

Nurse Practitioner (NP)

None of the above

5. Do you work in an outpatient setting?

Yes

No

6. In what type of outpatient setting do you work?

Primary care practice/facility

Emergency department

Urgent care facility

None of the above

Retail health clinic

7. On average, how many hours a week do you provide patient care in an outpatient setting?

0-10 hours

11-20 hours

21-30 hours

30 or more hours

8. In what zip code do you work?

9. On average, how often do you prescribe antibiotics?

- Never
- 1-3 times a month
- Once a week
- Multiple times every week

Termination: Ineligible

Thank you for your willingness to participate and answer our questions. Unfortunately, you do not meet the criteria to continue with the survey. If you have any questions about your participation and/or any questions about this survey, please contact the research director, Kristen Cincotta, Ph.D., at (404) 321-3211 or Kristen.Cincotta@icf.com. Thank you for your time.

Eligible

Thank you for answering the questions. We have determined that you are a good match for this survey. If you have any questions about your participation and/or any questions about this survey, please contact the research director, Kristen Cincotta, Ph.D., at (404) 321-3211 or Kristen.Cincotta@icf.com

Thank you for answering the questions. We have determined that you are a good match for this survey. If you have any questions about your participation and/or any questions about this survey, please contact the research director, Kristen Cincotta, Ph.D., at (404) 321-3211 or Kristen.Cincotta@icf.com.

Exposure to Campaign (All)

Now we would like to ask you about a CDC campaign on improving antibiotic use that you may or may not have seen or heard about in the past 2 months.

10. Please indicate below whether you have seen or heard any of following campaign names or slogans in the past 2 months.

	Yes	No	Don't know/cannot recall
A. Get Ahead of Antibiotics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
B. Flip the Script	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
C. Be Antibiotics Aware	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
D. Get Smart About Antibiotics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
E. Don't Mis-take Antibiotics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. In the past 2 months, did you see this logo or hear the slogan on it anywhere?



- Yes
- No
- Don't know/cannot recall

Termination Text (Ineligible)

Thank you for your willingness to participate and answer our questions. Unfortunately, you do not meet the criteria to continue with the survey. If you have any questions about your participation and/or any questions about this survey, please contact the research director, Kristen Cincotta, Ph.D., at (404) 321-3211 or Kristen.Cincotta@icf.com. Thank you for your time.

To learn more about appropriate antibiotic use and antibiotic resistance, please visit <https://www.cdc.gov/antibiotic-use/>.

Frequency and Channel of Exposure (Exposed)

You indicated that you had seen or heard the campaign name, *Be Antibiotics Aware*, or seen the campaign logo in the past 2 months.

12. In the past 2 months, approximately how often did you see CDC's Be Antibiotics Aware campaign messages, campaign name, or logo in PRINTED MEDIA?

	1-2 times a day	Once a week	1-3 times a month	Less than once a month	Never	Don't know/cannot recall
Poster	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fact Sheet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Brochure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Graphic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Newspaper/magazine advertisement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Flyer	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Printed Media (please specify)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other printed media (please specify)

13. In the past 2 months, approximately how often did you see CDC's Be Antibiotics Aware campaign messages, campaign name, or logo on SOCIAL MEDIA?

	1-2 times a day	Once a week	1-3 times a month	Less than once a month	Never	Don't know/cannot recall
Facebook	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Instagram	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Twitter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
LinkedIn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
YouTube	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other social media (please specify)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other social media (please specify)

14. In the past 2 months, approximately how often did you see or hear CDC's Be Antibiotics Aware campaign messages, campaign name, or logo in ONLINE/INTERNET MEDIA?

	1-2 times a day	Once a week	1-3 times a month	Less than once a month	Never	Don't know/cannot recall
Health websites /resources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Website advertisements	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Online news articles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Streaming TV/video services (e.g., Hulu, Netflix, [Amazon] Prime Video)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Blogs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advertisements on mobile phone (including mobile apps)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Search engines (e.g., Google)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other websites (please specify)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other Websites (please specify)

15. In the past 2 months, approximately how often did you see CDC's Be Antibiotics Aware campaign messages, campaign name, or logo in TV AND RADIO MEDIA?

	1-2 times a day	Once a week	1-3 times a month	Less than once a month	Never	Don't know/cannot recall
Television (cable, satellite, or antenna)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Broadcast radio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other TV or Radio media (please specify)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other TV or Radio media (please specify)

16. In the past 2 months, approximately how often did you see CDC's Be Antibiotics Aware campaign messages, campaign name, or logo in PUBLIC PLACES?

	1-2 times a day	Once a week	1-3 times a month	Less than once a month	Never	Don't know/ cannot recall
Billboards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bus, train, or subway stations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
On buses or taxi cabs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advertisement in a mall	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advertisement in a grocery store	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advertisement in a store pharmacy (e.g., CVS, Walgreens, Walmart)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other public locations (please specify)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other public locations (please specify)

17. In the past 2 months, did you see CDC's Be Antibiotics Aware campaign messages, campaign name, or logo at work?

- Yes, I personally placed or shared CDC's Be Antibiotics Aware Campaign materials at my workplace in the past 2 months.
- Yes, I saw CDC's Be Antibiotics Aware Campaign at my workplace in the past 2 months, but I was not responsible for placing or sharing it.
- No, but I saw materials from another antibiotic use campaign at my workplace in the past 2 months.
- No, I have not seen any materials about antibiotic use at my workplace in the past 2 months.

18. In the past 2 months, where did you see CDC's Be Antibiotics Aware campaign messages, campaign name, or logo at your workplace? (select all that apply)

- Posters or other print material(s) designed to educate patients about appropriate antibiotic use
- Posters or other print material(s) designed to improve antibiotic prescribing by healthcare providers
- Video displays in patient waiting areas
- Workplace website or internal email/newsletter
- Email or e-newsletter from external health organization, such as a state or local public health agency or professional association
- Other, please specify: _____

Risks and Benefits of Antibiotics: Attitudes and Beliefs (Exposed)

Next, we are going to ask you some questions to learn more about your perspective on antibiotic prescribing. Research shows that healthcare providers face challenges to antibiotic prescribing. Your responses on this survey will help CDC understand how to better support healthcare providers' antibiotic prescribing. Please give us your honest responses. There are no right or wrong answers to any of these questions.

Attitudes and Beliefs: Perceived Severity

19. Please indicate the extent to which you agree with the following statements, from strongly disagree to strongly agree.

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
Antibiotic resistance is a serious public health issue.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Antibiotic resistance can have serious consequences for my patients.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Side effects caused by antibiotics could be very serious for my patients.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Attitudes and Beliefs: Perceived Susceptibility

20. Please indicate the extent to which you agree with the following statements, from strongly disagree to strongly agree.

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
If my patients are prescribed antibiotics when they're not needed, they could experience minor side effects, like a rash.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
If my patients are prescribed antibiotics, even whether needed or not, they could experience very serious health problems, such as C. diff infection.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Attitudes and Beliefs: Perceived Benefits

21. Please indicate the extent to which you agree with the following statements, from strongly disagree to strongly agree.

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
Prescribing antibiotics only when needed is the best care for my patients.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prescribing antibiotics only when needed helps protect my patients from unnecessary side effects.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prescribing antibiotics only when needed helps combat antibiotic resistance.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Behavior: Prescribing

22. In the past 2 months, please indicate how often you did the following when prescribing antibiotics.

	Never	Rarely	Sometimes	Often	Always
Patient satisfaction factors into my decisions to prescribe antibiotics.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I prescribe antibiotics according to clinical guidelines.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I take antibiotic resistance into consideration when prescribing antibiotics to my patients.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I consider antibiotic adverse events, like C. diff infection, when prescribing antibiotics to my patients.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Attitudes and Beliefs: Perceived Barriers

23. What barriers do you commonly experience to prescribing antibiotics according to clinical guidelines?

(Select all that apply)

- | | |
|---|--|
| <input type="checkbox"/> Current clinical guidance doesn't always apply to my patients. | <input type="checkbox"/> Uncertainty of diagnosis can make it challenging to determine if the patient needs antibiotics. |
| <input type="checkbox"/> I am not as familiar as I would like to be with current clinical guidance for prescribing antibiotics. | <input type="checkbox"/> I have not encountered any barriers to prescribing antibiotics based on clinical guidelines. |
| <input type="checkbox"/> My patients will be dissatisfied with their visit if I do not prescribe antibiotics and they believe they need them for their illness. | <input type="checkbox"/> Don't know/cannot recall |
| <input type="checkbox"/> My patients demand antibiotics, even if I don't think an antibiotic is needed to treat their illness. | <input type="checkbox"/> Prefer not to answer |
| <input type="checkbox"/> My patients are unaware of or unconcerned about potential side effects of antibiotics, such as rash, nausea, or C. diff infection. | <input type="checkbox"/> Other, please explain: _____ |

Discussing Antibiotics with Patients: Attitudes, Beliefs and Behaviors (Exposed)

24. Please indicate the extent to which you agree with the following statements, from strongly disagree to strongly agree.

	Strongly disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
It's important for me to discuss with my patients that antibiotics can cause side effects that can range from minor issues, like a rash, to very adverse events, such as C. diff infection.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It's important for me to discuss with my patients that antibiotic use can lead to antibiotic resistance.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It's important for me to help my patients understand ways they can feel better, such as taking over the counter (OTC) medications that can help relieve symptoms, when an antibiotic isn't needed to treat their illness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It's important for me to educate patients about when antibiotics are and aren't needed for their illness.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Discussing Antibiotics with Patients: Perceived Benefits of Conversations

25. Please indicate the extent to which you agree with the following statements, from strongly disagree to strongly agree.

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
I believe that educating my patients about appropriate antibiotic use can protect them from unnecessary side effects.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that educating my patients about appropriate antibiotic use can help reduce unnecessary antibiotic use, thus helping to combat antibiotic resistance.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that educating my patients about which infections antibiotics do and do not treat helps them understand my decision on whether or not to prescribe an antibiotic for their illness.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Behavior

26. When prescribing antibiotics, please indicate how frequently you discuss the following with your patients.

	Never	Rarely	Sometimes	Often	Always
When antibiotics are and aren't needed for their illness.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other ways to feel better, such as taking OTC medications that can help relieve symptoms, when a patient has an infection that does not need an antibiotic.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Common side effects, such as rash, diarrhea, and nausea, when prescribing antibiotics.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Possible severe side effects, such as C. diff infection or allergic reactions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Antibiotic use can lead to antibiotic resistance.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Barriers

27. What are the barriers you commonly encounter when educating your patients on the topics of appropriate antibiotic use, and antibiotic resistance? Select all that apply.

- I am not familiar enough with these topics.
- I do not feel confident educating my patients on these topics.
- I do not think my patients will understand these topics.
- I do not think it is important for my patients to understand these topics.
- I do not think my patients will be interested in or receptive to learning about these topics.
- I do not have time to educate my patients on these topics.
- Other, please explain: _____
- I have not encountered any barriers to educating my patients on these topics.
- Don't know/cannot recall
- Prefer not to answer

28. Did you know that CDC's *Be Antibiotics Aware* campaign has resources you can use to help educate your patients about appropriate antibiotic use?

Yes

No

Sources of Information: "Viruses or Bacteria – What's got you sick?"

29. Please select how often in the past 2 months you used this chart to educate your patients about when antibiotics are and aren't needed for their illness?

Antibiotics are only needed for treating certain infections caused by bacteria. Viral illnesses cannot be treated with antibiotics. When an antibiotic is not prescribed, ask your healthcare professional for tips on how to relieve symptoms and feel better.

Common Condition	Common Cause			Are Antibiotics Needed?
	Bacteria	Bacteria or Virus	Virus	
Strep throat	✓			Yes
Whooping cough	✓			Yes
Urinary tract infection	✓			Yes
Sinus infection		✓		Maybe
Middle ear infection		✓		Maybe
Bronchitis/chest cold (in otherwise healthy children and adults)*		✓		No*
Common cold/runny nose			✓	No
Sore throat (except strep)			✓	No
Flu			✓	No

*Studies show that in otherwise healthy children and adults, antibiotics for bronchitis won't help you feel better.

BE ANTIBIOTICS AWARE
SMART USE, BEST CARE

To learn more about antibiotic prescribing and use, visit www.cdc.gov/antibiotic-use.

CDC

- I did not use this chart
- Rarely
- Sometimes
- Often
- Always
- Don't know/cannot recall

30. Please select how often in the past 2 months you used this chart to educate your patients about risks and benefits of antibiotic use?

- I did not use this chart
- Rarely
- Sometimes
- Often
- Always
- Don't know/cannot recall

31. How helpful for you was this chart in educating your patients about appropriate antibiotic use?

- Very helpful
- Helpful
- Somewhat helpful
- A little helpful
- Not at all helpful

Sources of Information: "Antibiotics Aren't Always the Answer"

32. Please select how often in the past 2 months you used this brochure to educate your patients about when antibiotics are and aren't needed for their illness?

Why does taking antibiotics lead to antibiotic resistance?

Any time antibiotics are used, they can cause side effects and lead to antibiotic resistance. Antibiotic resistance is one of the most urgent threats to the public's health. Always remember:

1. Antibiotic resistance does not mean the body is becoming resistant to antibiotics; it is that bacteria have become resistant to the antibiotics designed to kill them.
2. When bacteria become resistant, antibiotics cannot fight them, and the bacteria multiply.
3. Some resistant bacteria can be harder to treat and can spread to other people.

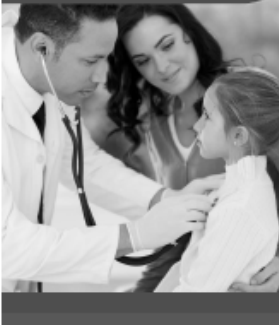
What is the right way to take antibiotics?

If you need antibiotics, take them exactly as prescribed.


Improving the way healthcare professionals prescribe antibiotics, and the way we take antibiotics, helps keep us healthy now, helps fight antibiotic resistance, and ensures that these life-saving drugs will be available for future generations.

Talk with your doctor if you have any questions about your antibiotics, or if you develop any side effects, especially diarrhea, since that could be *Clostridioides difficile* infection (also called *C. difficile* or *C. diff*), which needs to be treated. *C. diff* can lead to severe colon damage and death.

Antibiotics Aren't Always the Answer.



More than 2.8 million antibiotic-resistant infections occur in the United States each year, and more than 35,000 people die as a result.



What are the side effects?


Common side effects range from minor to very severe health problems and can include:


- Rash
- Dizziness
- Nausea
- Diarrhea
- Yeast infections

More serious side effects can include:

- *Clostridioides difficile* infection
- Severe and life-threatening allergic reactions

To learn more about antibiotic prescribing and use, visit www.cdc.gov/antibiotic-use.





BE ANTIBIOTICS AWARE
SMART USE, BEST CARE



Why is it important to Be Antibiotics Aware?

Antibiotics save lives. When a patient needs antibiotics, the benefits outweigh the risks of side effects or antibiotic resistance.

What do antibiotics treat?

Antibiotics are only needed for treating certain infections caused by bacteria. Antibiotics are critical tools for treating common infections, such as pneumonia, and for life-threatening conditions including sepsis, the body's extreme

How can I stay healthy?

You can stay healthy and keep others healthy by:

- Cleaning hands
- Covering coughs
- Staying home when sick

When antibiotics aren't needed, they won't help you, and the side effects could still hurt you. Reactions from antibiotics cause 1 out of 5 medication-related visits to the emergency department.

In children, reactions from antibiotics are the most common cause of medication-related emergency department visits.

response to an infection.

What don't antibiotics treat?

Antibiotics do not work on viruses, such as colds and flu, or runny noses, even if the mucus is thick, yellow or green. Antibiotics also won't help some common bacterial infections including most cases of bronchitis, many sinus infections, and some ear infections.

• Getting recommended vaccines, for the flu, for example. Talk to your doctor or nurse about steps you can take to prevent infections.



- I did not use this brochure
- Rarely
- Sometimes

- Often
- Always
- Don't know/cannot recall

33. Please select how often in the past 2 months you used this brochure to educate your patients about risks and benefits of antibiotic use?

- I did not use this brochure
- Rarely
- Sometimes

- Often
- Always
- Don't know/cannot recall

34. How helpful for you was this brochure in educating your patients about appropriate antibiotic use?


- Very helpful
- Helpful
- Somewhat helpful

- A little helpful
- Not at all helpful

Sources of Information: "Symptom Relief for Viral Illnesses"

35. Please select how often in the past 2 months you used this prescription pad to educate your patients about when antibiotics are and aren't needed for their illness?

Symptom Relief for Viral Illnesses



1. DIAGNOSIS

- Cold or cough
- Middle ear fluid (Otitis Media with Effusion, OME)
- Flu
- Viral sore throat
- Bronchitis
- Other: _____

You have been diagnosed with an illness caused by a virus. Antibiotics do not work on viruses. When antibiotics aren't needed, they won't help you, and the side effects could still hurt you. The treatments prescribed below will help you feel better while your body fights off the virus.

2. GENERAL INSTRUCTIONS

- Drink extra water and fluids.
- Use a cool mist vaporizer or saline nasal spray to relieve congestion.
- For sore throats in older children and adults, use ice chips, sore throat spray, or lozenges.
- Use honey to relieve cough. Do not give honey to an infant younger than 1.

3. SPECIFIC MEDICINES

- Fever or aches: _____
- Ear pain: _____
- Sore throat and congestion: _____


Use medicines according to the package instructions or as directed by your healthcare professional. Stop the medication when the symptoms get better.

4. FOLLOW UP

- If not improved in _____ days/hours, if new symptoms occur, or if you have other concerns, please call or return to the office for a recheck.
- Phone: _____
- Other: _____

Signed: _____

To learn more about antibiotic prescribing and use, visit www.cdc.gov/antibiotic-use.



- I did not use this prescription pad
- Rarely
- Sometimes
- Often
- Always
- Don't know/cannot recall

36. Please select how often in the past 2 months you used this prescription pad to educate your patients about risks and benefits of antibiotic use?

- I did not use this prescription pad
- Rarely
- Sometimes
- Often
- Always
- Don't know/cannot recall

37. How helpful for you was this prescription pad in learning about symptom relief for illnesses when antibiotics aren't needed?

- Very helpful
- Helpful
- Somewhat helpful
- A little helpful
- Not at all helpful

Sources of Information (did not use BAA materials)

38. Why have you not used CDC Be Antibiotics Aware resources to educate your patients about appropriate antibiotic use? (select all that apply)

- | | |
|--|---|
| <input type="checkbox"/> I did use CDC Be Antibiotics Aware resources to educate my patients, but they were not the ones shown above. (What resources did you use? (specify: _____)) | <input type="checkbox"/> I do not know where to find these resources |
| <input type="checkbox"/> I don't usually use patient education resources when educating my patients on any topics | <input type="checkbox"/> I looked at them, but did not find them helpful |
| <input type="checkbox"/> I/my organization has my/our own resources | <input type="checkbox"/> I am not familiar enough with these resources to feel comfortable using them |
| <input type="checkbox"/> I use resources developed by other organizations | <input type="checkbox"/> Other (please specify: _____) |
| <input type="checkbox"/> I forget to use them | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> I don't have time to use them | |

Media Use and Habits: Print Media (Unexposed)

We would like to ask you a few questions about your media use and habits.

39. In an average month, how often do you...

	1-2 times a day	Once a week	1-3 times a month	Less than once a month	Never	Don't know/cannot recall
Read printed magazines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read printed newspapers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read brochures or flyers on health topics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read other printed media (please specify)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other Printed Media (please specify)

Media Use and Habits: Social Media (Unexposed)

40. In an average month, how often do you...

	1-2 times a day	Once a week	1-3 times a month	Less than once a month	Never	Don't know/cannot recall
Use Facebook	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use Instagram	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use Twitter	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use LinkedIn	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use YouTube	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use other social media (please specify)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other social media (please specify)

Media Use and Habits: Online/Internet Media (Unexposed)

41. In an average month, how often do you...

	1-2 times a day	Once a week	1-3 times a month	Less than once a month	Never	Don't know/cannot recall
Read health websites /resources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read news online	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read magazines online	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Listen to internet radio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Watch TV/movies using streaming services (e.g., Netflix, Hulu, [Amazon] Prime Video)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read blogs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use search engines (e.g., Google)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Visit other websites (please specify)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other websites (please specify)

Media Use and Habits: TV and Radio Media (Unexposed)

42. In an average month, how often do you...

	1-2 times a day	Once a week	1-3 times a month	Less than once a month	Never	Don't know/cannot recall
Watch television (cable, satellite, or antenna)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Listen to broadcast radio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Listen to satellite radio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Watch or listen to other TV or radio media (please specify)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other TV or Radio media (please specify)

Media Use and Habits: Public Places (Unexposed)

43. In an average month, how often do you...

	1-2 times a day	Once a week	1-3 times a month	Less than once a month	Never	Don't know/cannot recall
See billboards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use buses, subways, or trains	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use taxi cabs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shop in malls	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shop in grocery stores	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shop in pharmacies (e.g., CVS, Walgreens, Walmart)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other public locations (please specify)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other public locations (please specify)

Media Use and Habits: Other Media (Unexposed)

44. In an average month, how often do you...

	1-2 times a day	Once a week	1-3 times a month	Less than once a month	Never	Don't know/cannot recall
Read emails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Read email newsletters	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Listen to webcasts or webinars	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Attend live events	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other media (please specify)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other media (please specify)

Media Use and Habits: Preferences

45. To whom or where do you go to learn about appropriate antibiotic prescribing? (select all that apply)

- | | |
|---|--|
| <input type="checkbox"/> Colleagues, other HCPs | <input type="checkbox"/> Medical or professional associations. Please specify: _____ |
| <input type="checkbox"/> Centers for Disease Control and Prevention (CDC) website or material. Please specify: _____ | <input type="checkbox"/> My organization. |
| <input type="checkbox"/> Peer-reviewed journals (Printed or online). Please specify: _____ | <input type="checkbox"/> Continuing education/medical education/training courses (CE/CME, etc.). Please specify: _____ |
| <input type="checkbox"/> Health websites/Health-related mobile apps (WebMD, Mayo Clinic, Medscape, UpToDate, etc.). Please specify: _____ | <input type="checkbox"/> Social media (Facebook, Instagram, Twitter, LinkedIn). Please specify: _____ |
| <input type="checkbox"/> Medical conferences. Please specify: _____ | <input type="checkbox"/> Other. Please specify: _____ |
| <input type="checkbox"/> Local/state health departments | <input type="checkbox"/> I have not looked for information on this topic. |

Demographic Characteristics (All)

Thank you. Now we would like to know more about you.

46. How long have you worked in your current role/position?

- Less than one year 10 or more years
 1-5 years Prefer not to answer
 6-9 years

47. What is your sex?

- Male
 Female
 Prefer not to answer
 Don't know

48. How would you describe your racial background? Select all that apply.

- White American Indian or Alaska Native
 Black or African American Other, please specify: _____
 Asian Prefer not to answer
 Native Hawaiian or Other Pacific Islander

49. Are you Hispanic or Latino?

- Yes
 No
 Prefer not to answer



Thank you for taking the time to participate in this important survey! To learn more about appropriate antibiotic use and antibiotic resistance, please visit www.cdc.gov/antibiotic-use.