



# Addressing antimicrobial resistance: health literacy, communication, and decision-making considerations

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# Definitions of Health Literacy

**Personal health literacy** is the degree to which individuals have the ability to find, understand, and use information and services to inform health-related decisions and actions for themselves and others.



Healthy People 2030. <https://health.gov/our-work/national-health-initiatives/healthy-people/healthy-people-2030/health-literacy-healthy-people-2030/history-health-literacy-definitions>

# Definitions of Health Literacy

**Organizational health literacy** is the degree to which organizations equitably enable individuals to find, understand, and use information and services to inform health-related decisions and actions for themselves and others.



Healthy People 2030. <https://health.gov/our-work/national-health-initiatives/healthy-people/healthy-people-2030/health-literacy-healthy-people-2030/history-health-literacy-definitions>

# Communication Strategies

- “3 Rs”: reassure, redirect, refer
- Curated lists of reputable resources to recommend to patients
- **MedlinePlus.gov**



Langford AT, Roberts T, Gupta J, Orellana KT, Loeb S. Impact of the Internet on Patient-Physician Communication. Eur Urol Focus. 2020 4 May 15;6(3):440-444. doi: 10.1016/j.euf.2019.09.012

## MedlinePlus Evaluating Internet Health Information: Checklist



### Provider

Who is in charge of the Web site?  
Why are they providing the site?  
Can you contact them?



### Funding

Where does the money to support the site come from?  
Does the site have advertisements? Are they labeled?



### Quality

Where does the information on the site come from?  
How is the content selected?  
Do experts review the information that goes on the site?  
Does the site avoid unbelievable or emotional claims?  
Is it up-to-date?



### Privacy

Does the site ask for your personal information?  
Do they tell you how it will be used?  
Are you comfortable with how it will be used?

Find reliable health information on [MedlinePlus.gov](https://www.MedlinePlus.gov), the National Institutes of Health's site for patients, their families and friends.



# Example Entry: Antibiotics

## What do antibiotics treat?

Antibiotics only treat certain bacterial infections, such as strep throat, [urinary tract infections](#), and [E. coli](#).

You may not need to take antibiotics for some bacterial infections. For example, you might not need them for many sinus infections or some [ear infections](#). Taking antibiotics when they're not needed won't help you, and they can have side effects. Your health care provider can decide the best treatment for you when you're sick. Don't ask your provider to prescribe an antibiotic for you.

## Do antibiotics treat viral infections?

Antibiotics **do not** work on viral infections. For example, you shouldn't take antibiotics for:

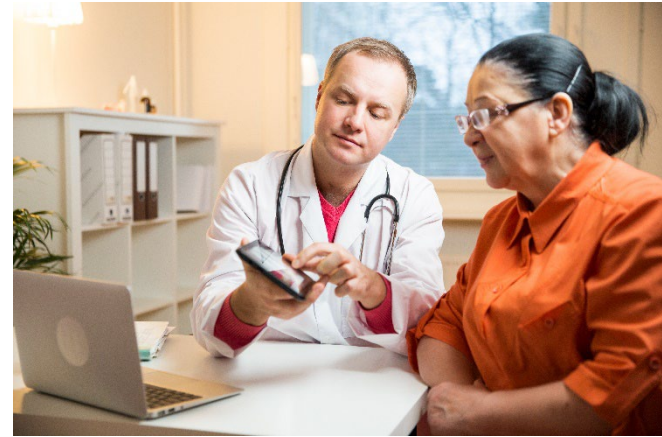
- [Colds](#) and runny noses, even if the mucus is thick, yellow, or green
- Most [sore throats](#) (except strep throat)
- [Flu](#)
- Most cases of [bronchitis](#)



# Shared decision making (SDM)



“A communication process by which patients and clinicians work together to make optimal health care decisions that align with what matters most to patients.”



MGH Health Decision Sciences Center,  
<https://mghdecisionsciences.org/about-us-home/shared-decision-making/>, Accessed 1/8/2023

# The **SHARE** Approach

## 5 Essential Steps of Shared Decision Making



# Patient Decision Aids: 1 Way to Support SDM

Search again:

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Found 4 matches.

## Bronchitis

- [Bronchitis: Should I take antibiotics?](#) Healthwise

## Ear Infections

- [Ear Infection: Should I Give My Child Antibiotics?](#) Healthwise

## Lung Diseases

- [To take antibiotics or not? Acute respiratory tract infections \(ARIs\): a diagnostic decision support tool.](#) Université Laval <sup>laval</sup>

## Sinusitis

- [Sinusitis: Should I take antibiotics?](#) Healthwise





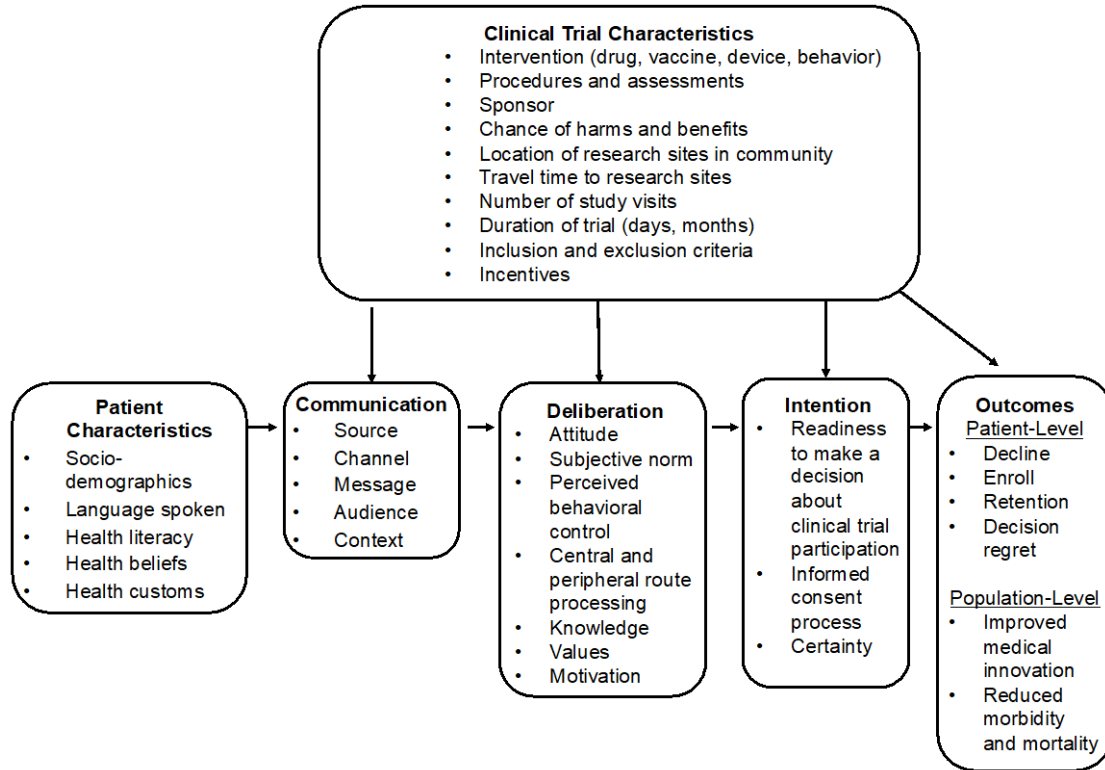
## Decision Aid Summary

<b>Title</b>	<b>Ear Infection: Should I Give My Child Antibiotics?</b>
<b>Audience</b>	Parents of a child with an ear infection.
<b>Options included</b>	Wait and see if the ear infection clears up on its own. Give your child antibiotics.
<b>Year of last update or review</b>	2022
<b>Format</b>	Web, paper
<b>How to obtain</b>	<a href="#">Click here to view the decision aid</a> on the developer website
<b>Developer</b>	Healthwise
<b>Where was it developed?</b>	www.healthwise.org Healthwise US
<b>Health condition</b>	Ear Infections
<b>Type of decision aid</b>	Treatment
<b>Language</b>	English

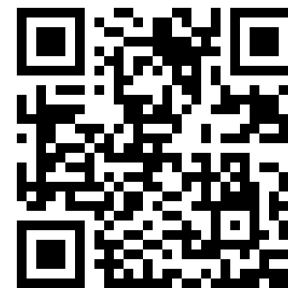
# Clinical Trials: Diversity in Type, Phase, and Target Populations



# General Model of Clinical Trial Participation: Health Communication and Decision Making Considerations



# Where to Find Clinical Trials



 U.S. National Library of Medicine

*ClinicalTrials.gov*

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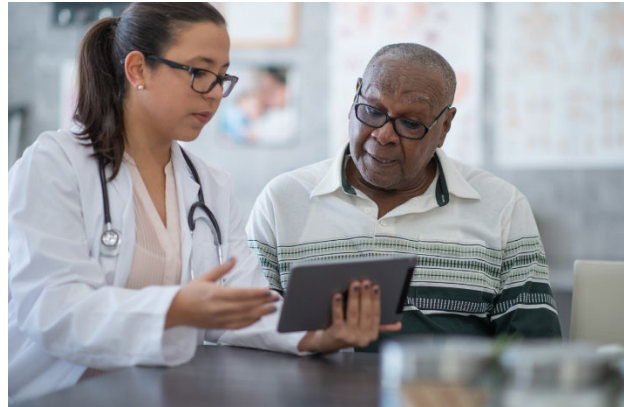


1665 Studies found for: **Recruiting, Available Studies** | "Anti-Bacterial Agents" | Child, Adult, Older Adult | NIH, U.S. Fed, Industry, Other

Also searched for **Antibiotic, Antibacterial, and Antimicrobial**. [See Search Details](#)

Applied Filters:  **Recruiting**  **Available**  **Child (birth–17)**  **Adult (18–64)**  **Older Adult (65+)**  **Funding: NIH**  **Funding: U.S. Federal**  
 **Funding: Industry**  **Funding: Other**

# Reframing Choices vs. Appearance of Withholding Treatments





**THANK YOU**

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