

# مدلاین پلاس دروازه ای به اطلاعات پزشکی و بهداشتی



پروانه مدیرامانی  
دانشگاه علوم پزشکی مشهد،  
مدیریت اطلاع رسانی پزشکی و منابع علمی  
۱۳۹۷



# مدلاین پلاس چیست؟



محیطی ساده، راحت و رایگان برای جستجو و دریافت اطلاعات معتبر بهداشتی و پزشکی

زیر نظر و نظارت کتابخانه ملی پزشکی آمریکا NLM  
مناسب برای بیمار و هم متخصص و همه ارائه دهندگان مراقبت های بهداشتی در  
سراسر دنیا

پوشش موضوعی: بهداشت و درمان و سلامت



دو نشانی دسترسی به مدلاین پلاس

[www.nlm.nih.gov/medlineplus](http://www.nlm.nih.gov/medlineplus)

<http://medlineplus.gov>





### Health Topics

Find information on health, wellness, disorders and conditions



### Drugs & Supplements

Learn about prescription drugs, over-the-counter medicines, herbs, and supplements



### Videos & Tools

Discover tutorials, health and surgery videos, games, and quizzes



### Lab Test Information

Learn why your doctor orders laboratory tests and what the results may mean



### Medical Encyclopedia

Articles and images for diseases, symptoms, tests, treatments

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1 2 3

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# نکته ها و ویژگی ها

مدلاین پلاس یک پایگاه های اطلاعاتی معتبر و البته رایگان هم برای پزشک و متخصص و هم برای عموم

- شناسایی جدیدترین درمان ها
- کسب اطلاعات مربوط به یک دارو یا مکمل و حتی گیاهان دارویی
- پیدا کردن معانی و مفاهیم یک موضوع
- جستجوی تصاویر و مشاهده فیلم های جراحی و آموزشی در تخصص های پزشکی
- اطلاعات بیشماری درخصوص انواع تست های آزمایشگاهی



## پیوند ازمدلاین پلاس به منابع معتبراطلاعاتی دیگر نظیر:

- MedLine معتبرترین پایگاه اطلاعاتی مقالات ژورنال های حیطة پزشکی
  - [www.pubmed.gov](http://www.pubmed.gov)
- DailyMed وب سایتی جامع از صدها هزار دارو تایید شده FDA
  - <https://dailymed.nlm.nih.gov/dailymed/>
- LactMed پایگاه اطلاعاتی درباره داروها و مواد شیمیایی مضر برای مادران شیرده
  - <https://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?LACTMED>
- ClinicalTrials.gov بیش از ۲۸۳ هزار کارآزمایی بالینی از ۲۰۴ کشور دنیا
  - <https://clinicaltrials.gov/>

# بخش های مدلاین پلاس



## Health Topics

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## Lab Test Information

Learn why your doctor orders laboratory tests and what the results may mean



## Medical Encyclopedia

Articles and images for diseases, symptoms, tests, treatments

❖ صدها مطلب درباره بیماری و سلامتی

❖ اطلاعات دارویی و گیاهان دارویی

❖ فیلم ها و ویدئو های آموزشی

❖ اطلاعاتی درباره تست های آزمایشگاهی

❖ دایره المعارف پزشکی



• برای ورود به مجموعه مدلاین پلاس:

- NLM Library of Medicine website: [www.nlm.nih.gov](http://www.nlm.nih.gov)
- MedlinePlus Homepage: <http://medlineplus.gov>



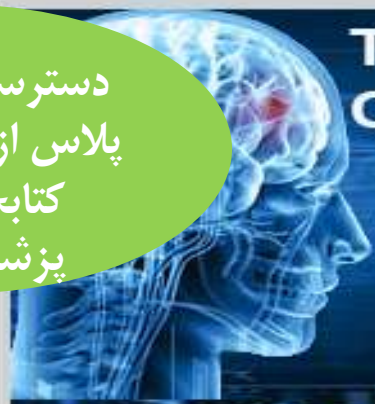




### Databases

- PubMed/MEDLINE
- MeSH
- UMLS
- ClinicalTrials.gov
- MedlinePlus**
- TOXNET
- Images from the History of Medicine
- Digital Collections
- LocatorPlus
- All NLM Databases & APIs

دسترسی به مدلاین  
 پلاس از طریق سایت  
 کتابخانه ملی  
 پزشکی امریکا



## The Brain Initiative REPLAY

### Connecting the Dots

2014 Joseph Leiter NLM/MLA Lecture  
 June 12, 2014, 1:00 pm (ET)  
 Lister Hill Center Auditorium  
 Speaker : Terrence Sejnowski

#### Leiter Lecture on June 12, 2014

Terrence Sejnowski will give the 2014 Joseph Leiter NLM/Medical Library Association (MLA) Lecture on Thursday, June 12, 2014, at 1:00 PM.

### Explore NLM

- About NLM
- Health Information
- Library Catalog & Services
- History of Medicine

### Research at NLM

- Human Genome Resources
- Biomedical Research & Informatics
- Environmental Health & Toxicology

### NLM for You

- Grants & Funding
- Meaningful Use Tools
- Training & Outreach
- Network of Medical Librarians

# وب سایت جدید کتابخانه ملی پزشکی NLM

The screenshot shows the NLM website homepage. At the top, there is a navigation bar with the NIH logo and the text "U.S. National Library of Medicine". Below this, there are four main navigation categories: "PRODUCTS AND SERVICES", "RESOURCES FOR YOU", "EXPLORE NLM", and "GRANTS AND FUNDING". A search bar is located on the right side of the page. A large blue arrow points to the search bar with the text "لینک مدلاین پلاس" (Link Medline Plus). Below the navigation bar, there are six service tiles: PubMed, MedlinePlus, Open-i, TOXNET, ClinicalTrials.gov, and BLAST. The MedlinePlus tile is highlighted with a blue background.

## News and Highlights



**Director's Blog**  
Happy anniversary to me!



**In Focus**  
What do you get when the world's largest medical library and the world's largest encyclopedia meet up?



**NCBI Insights**  
Release Plan for E-utility API Keys



**Circulating Now**  
Revealing Data: Why We Need Humans to Curate Web Collections

 **MedlinePlus**<sup>®</sup>  
parvaneh Modirramahi Slides  
The National Library of Medicine  
Information for You

Find your topic by first letter:

A B C D E F G H I J K L M N O P Q R S T U V W XYZ List of All Topics

لیست  
الفبایی

## Health Topics



Read about symptoms, causes, treatments, and prevention of diseases, illnesses, health conditions and wellness issues. MedlinePlus health topics are regularly reviewed, and links are provided to help you find more information.

تقسیم بندی  
اطلاعات درباره  
سیستم های  
بدن و بیماری  
های آن

## Body Location/Systems

-  [Blood, Heart and Circulation](#)
-  [Bones, Joints and Muscles](#)
-  [Brain and Nerves](#)
-  [Digestive System](#)
-  [Ear, Nose and Throat](#)
-  [Endocrine System](#)
-  [Eyes and Vision](#)
-  [Immune System](#)
-  [Kidneys and Urinary System](#)
-  [Lungs and Breathing](#)
-  [Mouth and Teeth](#)

## Infections

- [Allergies](#)
- [Birth Defects](#)
- [Infectious Diseases](#)
- [Injuries and Wounds](#)
- [Mental Health and Behavior](#)
- [Metabolic Problems](#)
- [Poisoning, Toxicology, Environmental Health](#)
- [Pregnancy and Reproduction](#)
- [Substance Abuse Problems](#)

## Diagnosis and Therapy

- [Complementary and Alternative Therapies](#)

## Demographic Groups















- [Children and Teenagers](#)
- [Men](#)
- [Population Groups](#)
- [Seniors](#)
- [Women](#)

## Health and Wellness

- [Disasters](#)
- [Fitness and Exercise](#)
- [Food and Nutrition](#)
- [Health System](#)
- [Personal Health Issues](#)
- [Safety Issues](#)
- [Sexual Health Issues](#)

بر اساس  
دستگاهها و  
اندام های  
بدن انسان

Systems

-  [Blood, Heart and Circulation](#)
-  [Bones, Joints and Muscles](#)
-  [Brain and Nerves](#)
-  [Digestive System](#)
-  [Ear, Nose and Throat](#)
-  [Endocrine System](#)
-  [Eyes and Vision](#)
-  [Immune System](#)
-  [Kidneys and Urinary System](#)
-  [Lungs and Breathing](#)
-  [Mouth and Teeth](#)
-  [Skin, Hair and Nails](#)
-  [Female Reproductive System](#)
-  [Male Reproductive System](#)

انتخاب یک  
موضوع

Disorders and Conditions

- [Cancers](#)
- [Diabetes Mellitus](#)
- [Genetics/Birth Defects](#)
- [Infections](#)
- [Injuries and Wounds](#)
- [Mental Health and Behavior](#)
- [Metabolic Problems](#)
- [Poisoning, Toxicology, Environmental Health](#)
- [Pregnancy and Reproduction](#)
- [Substance Abuse Problems](#)

Diagnosis and Therapy

- [Complementary and Alternative Therapies](#)
- [Diagnostic Tests](#)
- [Drug Therapy](#)
- [Surgery and Rehabilitation](#)
- [Symptoms](#)
- [Transplantation and Donation](#)

بیماریها

گروه های  
سنی و  
جنسی  
جمعیت

Demographic Groups

- [Children and Teenagers](#)
- [Men](#)
- [Population Groups](#)
- [Seniors](#)
- [Women](#)








بهداشت و  
سلامت

Health and Wellness

- [Disasters](#)
- [Fitness and Exercise](#)
- [Food and Nutrition](#)
- [Health System](#)
- [Personal Health Issues](#)
- [Safety Issues](#)
- [Sexual Health Issues](#)
- [Social/Family Issues](#)
- [Wellness and Lifestyle](#)

تشخیص و درمان

## Body Location/Systems

-  Blood, Heart and Circulation
-  Bones, Joints and Muscles
-  Brain and Nerves
-  Digestive System
-  Ear, Nose and Throat
-  Endocrine System
-  Eyes and Vision
-  Immune System
-  Kidneys and Urinary System
-  Lungs and Breathing
-  Mouth and Teeth
-  Skin, Hair and Nails
-  Female Reproductive System
-  Male Reproductive System

## Disorders and Conditions

- Cancers
- Diabetes Mellitus
- Genetics/Birth Defects
- Infections
- Injuries and Wounds
- Mental Health and Behavior
- Metabolic Problems
- Poisoning, Toxicology, Environmental Health
- Pregnancy and Reproduction
- Substance Abuse Problems

## Diagnosis and Therapy

- Complementary and Alternative Therapies
- Diagnostic Tests
- Drug Therapy
- Surgery and Rehabilitation
- Symptoms
- Transplantation and Donation

Health Topics

Drugs & Supplements

Videos & Cool Tools

ESPAÑOL

Find your topic by first letter:

A B C D E F G H I J K L

M N O P Q R S T U V W X Y Z List of All Topics

### Health Topics

Read about symptoms, causes, treatment and prevention. MedlinePlus health topics are regularly reviewed.

#### Body Location/Systems

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-  [Bones, Joints and Muscles](#)
-  [Brain and Nerves](#)
-  [Digestive System](#)

#### Demographic Groups

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[Diabetes Mellitus](#)

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[Injuries and Wounds](#)

#### Demographic Groups

[Children and Teenagers](#)

[Men](#)

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[Seniors](#)

[Women](#)



# Health Topics

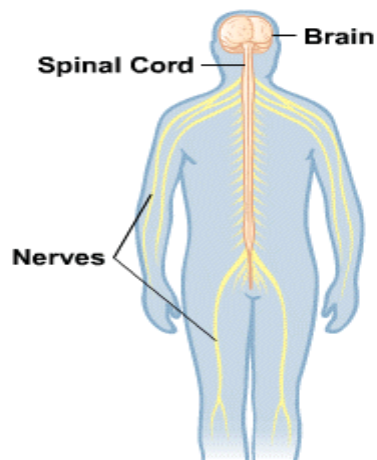
## تقسیم بندی موضوعی

[Home](#) → [Health Topics](#) → [Brain and Nerves](#)

## Brain and Nerves



[See all Brain and Nerves topics](#)



### Select One:

- [Brain](#)
- [Nerves](#)
- [Spinal Cord](#)

### Brain and Nerves Topics

[Acoustic Neuroma](#)

[Acromegaly](#) *see* [Pituitary Disorders](#)

[ADD](#) *see* [Attention Deficit Hyperactivity Disorder](#)

[ADHD](#) *see* [Attention Deficit Hyperactivity Disorder](#)

[Adrenoleukodystrophy](#) *see* [Leukodystrophies](#)

[Acoustic Neuroma](#)

Acromegaly see [Pituitary Disorders](#)

ADD see [Attention Deficit Hyperactivity Disorder](#)

ADHD see [Attention Deficit Hyperactivity Disorder](#)

Adrenoleukodystrophy see [Leukodystrophies](#)

ALS see [Amyotrophic Lateral Sclerosis](#)

[Alzheimer's Caregivers](#)

[Alzheimer's Disease](#)

Amnesia see [Memory](#)

[Amyotrophic Lateral Sclerosis](#)

[Anatomy](#)

Anencephaly see [Neural Tube Defects](#)

[Aphasia](#)

Apnea, Sleep see [Sleep Apnea](#)

Arachnoiditis see [Meningitis](#)

Arnold-Chiari Malformation see [Neural Tube Defects](#)

[Arteriovenous Malformations](#)

Aseptic Meningitis see [Meningitis](#)

Ataxia see [Cerebellar Disorders](#); [Degenerative Nerve Diseases](#); [Friedreich's Ataxia](#); [Movement Disorders](#)

[Ataxia Telangiectasia](#)

[Attention Deficit Hyperactivity Disorder](#)

Auditory Tumor see [Acoustic Neuroma](#)

[Autonomic Nervous System Disorders](#)

AVM see [Arteriovenous Malformations](#)

[Back Pain](#)

وجود نظام  
ارجاع  
دقيق

Home → Health Topics → Attention Deficit Hyperactivity Disorder

# Attention Deficit Hyperactivity Disorder

Also called: ADHD



**On this page**

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|---|---|--|
| <p><b>Basics</b></p> <ul style="list-style-type: none"> <li>▪ <a href="#">Summary</a></li> <li>▪ <a href="#">Start Here</a></li> <li>▪ <a href="#">Latest News</a></li> <li>▪ <a href="#">Diagnosis/Symptoms</a></li> <li>▪ <a href="#">Treatments and Therapies</a></li> </ul> | <p><b>Learn More</b></p> <ul style="list-style-type: none"> <li>▪ <a href="#">Living With</a></li> <li>▪ <a href="#">Related Issues</a></li> <li>▪ <a href="#">Specific Conditions</a></li> </ul> | <p><b>See and Play and Learn</b></p> <ul style="list-style-type: none"> <li>▪ <a href="#">Videos</a></li> </ul>  |
| <p><b>Research</b></p> <ul style="list-style-type: none"> <li>▪ <a href="#">Statistics and Research</a></li> <li>▪ <a href="#">Clinical Trials</a></li> <li>▪ <a href="#">Journal Articles</a></li> </ul>   | <p><b>Resources</b></p> <ul style="list-style-type: none"> <li>▪ <a href="#">Find an Expert</a></li> <li>▪ <a href="#">Finance and Policy</a></li> </ul>  | <p><b>For You</b></p> <ul style="list-style-type: none"> <li>▪ <a href="#">Children</a></li> <li>▪ <a href="#">Teenagers</a></li> <li>▪ <a href="#">Women</a></li> <li>▪ <a href="#">Adults</a></li> <li>▪ <a href="#">Patient Handouts</a></li> </ul> |



## Summary

Is it hard for your child to sit still? Does your child act without thinking first? Does your child start but not finish things? If so, your child may have attention deficit hyperactivity disorder (ADHD). Nearly everyone shows some of these behaviors at times, but ADHD lasts more than 6 months and causes problems in school, at home and in social situations.

ADHD is more common in boys than girls. It affects 3-5 percent of all American children.

The main features of ADHD are

- Inattention
- Hyperactivity
- Impulsivity

**Get Attention Deficit Hyperactivity Disorder updates by email** ⓘ

Enter email address  **GO**

**MEDICAL ENCYCLOPEDIA**

[Attention deficit hyperactivity disorder \(ADHD\)](#)

[Hyperactivity](#)

[Hyperactivity and sugar](#)



## MEDICAL ENCYCLOPEDIA

### دایره المعارف پزشکی

Attention deficit hyperactivity disorder (ADHD)

Hyperactivity

Hyperactivity and sugar

Medicines for ADHD

## Related Health Topics

### موضوع های مرتبط

Child Behavior Disorders

Learning Disorders

## National Institutes of Health

The primary NIH organization for research on *Attention Deficit Hyperactivity Disorder* is the National Institute of Mental Health

## NIH MedlinePlus Magazine

Adults with ADHD

Causes of ADHD

Treating ADHD

Understanding ADHD: Symptoms in Children

بخشهای مرتبط با هر موضوع

موضوع های مرتبط در نشریه الکترونیک مدلاین پلاس



## Attention Deficit Hyperactivity Disorder

Also called: ADHD



چکیده  
مطلب



Is it hard for your child to sit still? Does your child act without thinking first? Does your child start but not finish things? If so, your child may have attention deficit hyperactivity disorder (ADHD for short.) Nearly everyone shows some of these behaviors at times, but ADHD lasts more than 6 months and causes problems in school, at home and in social situations.

ADHD is more common in boys than girls, and it affects 3-5 percent of children in the United States. The principal characteristics of ADHD are

- Inattention
- Hyperactivity
- Impulsivity

No one knows exactly what causes ADHD. It runs in families, so genetics may be a factor. A complete evaluation by a trained professional is the only way to know for sure if your child has ADHD. Treatment often includes medicines to control symptoms. Structure at home and at school is also important. Parenting classes or behavioral therapy may also help.

*NIH: National Institute of Mental Health*

### MEDICAL ENCYCLOPEDIA

[Attention deficit hyperactivity disorder \(ADHD\)](#)

[Hyperactivity](#)

[Hyperactivity and sugar](#)

### Related Topics

[Child Behavior Disorders](#)

[Learning Disorders](#)


[Brain and Nerves](#)

[Get Attention Deficit](#)

## Start Here

- [Attention Deficit Hyperactivity Disorder](#)  **Easy-to-Read** (National Institute of Mental Health)  
Available in Spanish
- [Attention Deficit Hyperactivity Disorder \(ADHD\)](#)  
 **Easy-to-Read** (National Institute of Mental Health)  
Available in Spanish
- [Attention Deficit-Hyperactivity Disorder](#)  
 (National Institute of Neurological Disorders and Stroke) - **Short Summary**
- [Attention-Deficit Hyperactivity Disorder \(ADHD\)](#) (American Academy of Family Physicians)  
Available in Spanish
- [Attention-Deficit/Hyperactivity Disorder \(ADHD\) in Children](#)  
(Mayo Foundation for Medical Education and Research)
- [Focusing on ADHD - Attention Deficit Hyperactivity Disorder](#)  (National Institutes of Health)
- [What Is ADHD?](#) (Nemours Foundation)  
Available in Spanish

## Latest News

- [ADHD May Mask Autism in Young Kids](#) (09/14/2015, HealthDay)
- [ADHD Diagnosis Trends](#)  (09/04/2015, HealthDay)
- [One-Third of U.S. Kids with ADHD Diagnosed Before Age 6](#) (09/03/2015, HealthDay)
- [ADHD Risk Rises for Each Week a Premie Is Born Early](#) (08/24/2015, HealthDay)
- [More News on Attention Deficit Hyperactivity Disorder](#)

## Diagnosis/Symptoms

- [Attention-Deficit / Hyperactivity Disorder \(ADHD\): Symptoms and Diagnosis](#)  
(Centers for Disease Control and Prevention)  
Available in Spanish
- [Dealing with ADHD: What You Need to Know](#) (Food)

## Treatments and Therapies

- [Attention-Deficit Hyperactivity Disorder \(ADHD\): Treatment](#) (American Academy of Family Physicians)
- [Behavior Therapy](#) (American Academy of Pediatrics)  
Available in Spanish
- [Complementary and Alternative Treatments](#)  
(Children and Adults with Attention-Deficit/Hyperactivity Disorder)

## National Institutes of Health

The primary NIH organization for research on *Attention Deficit Hyperactivity Disorder* is the National Institute of Mental Health

## NIH MedlinePlus Magazine

[Adults with ADHD](#)

[Causes of ADHD](#)

[Treating ADHD](#)

[Understanding ADHD: Symptoms in Children](#)

MedlinePlus links to health information from the National Institutes of Health and other federal government agencies. MedlinePlus also links to health information from non-government Web sites. See our [disclaimer](#) about external links and our [quality guidelines](#).



## Alternative Therapy

- [Complementary and Alternative Treatments](#) (Children and Adults with Attention-Deficit/Hyperactivity Disorder)

Also available in [Spanish](#)

[Return to top](#)

## Nutrition

- [ADHD Diet: Do Food Additives Cause Hyperactivity?](#) (Mayo Education and Research)

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## Coping

- [Individualized Education Plans \(IEPs\)](#) (Nemours Foundation)
- [Parenting a Child with AD/HD](#) (Children and Adults with Attention-Deficit/Hyperactivity Disorder)

Also available in [Spanish](#)

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## Related Issues

- [AD/HD and Coexisting Disorders](#) (Children and Adults with Attention-Deficit/Hyperactivity Disorder)  
Also available in [Spanish](#)
- [ADHD and the Military](#) (Children and Adults with Attention-Deficit/Hyperactivity Disorder)
- [Frequently Asked Questions about AD/HD](#) (Children and Adults with Attention-Deficit/Hyperactivity Disorder)  
Also available in [Spanish](#)
- [Helping Children and Youth with Attention-Deficit/Hyperactivity Disorder: Systems of Care](#) (Center for Mental Health Services) - PDF
- [Other Concerns & Conditions](#) (Centers for Disease Control and Prevention)

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## Videos

- [Does My Child Have ADHD?](#) **NIH** (National Institute of Mental Health)

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## Clinical Trials

- [ClinicalTrials.gov: Attention Deficit Disorder with Hyperactivity](#) **NIH** (National Institutes of

با کلیک بر این لینک به  
وب سایت دیگری وارد  
می شویم



Ask a question about AD/HD



- About AD/HD
- Diagnosis & Treatment
- Dealing with Systems
- Educational Issues
- Living with AD/HD

- Diagnostic & Treatment Guidelines
- Rating Scales and Checklists
- Professionals Who Diagnose and Treat ADHD
- Treatment Overview
- Medication Management
- Behavioral Treatment
- Complementary and Other Interventions
- Complementary and Alternative Treatments (WWK6)
- Deciding on a Treatment for ADHD (WWK 6 short version)
- Complementary and Alternative Treatments: Neurofeedback (EEG Biofeedback) and ADHD (WWK6A)
- Fish Oil Supplements and ADHD
- Parent Education and Training
- Coexisting Conditions

## Diagnosis & Treatment

### Complementary and Alternative Treatments (WWK6)



Can't find what you're looking for? Our health information specialists are here to help. Contact us at 800-233-4050 or [online](#).

WWK refers to the *What We Know* series of information sheets on ADHD. See the [complete list](#). See the [PDF version](#) of this sheet.

#### [Overview and Principles](#) [Specific Categories of Alternative, Complementary, and Controversial Treatments for ADHD](#)

#### Overview and Principles

In the past decade, there has been a tremendous upsurge of scientific and public interest in attention-deficit/hyperactivity disorder (ADHD). This interest is reflected not only in the number of scientific articles, but also in the explosion of books and articles for parents and teachers. Great strides have been made in the understanding and management of this disorder. Children with ADHD who would have gone unrecognized and untreated only a few short years ago are now being helped, sometimes with dramatic results.

There are still many questions to be answered concerning the developmental course, outcome and treatment of ADHD. Although there are several effective treatments, they are not equally effective for all children with ADHD. Among the most effective methods to date is the judicious use of medication and behavior management, referred to in the scientific literature as multimodal treatment. Multimodal treatment for children and adolescents with ADHD consists of parent and child education about diagnosis and treatment, behavior management techniques, medication, and school programming and supports. Treatment should be tailored to the unique needs of each child and family.

In an effort to seek effective help for ADHD, however, many people turn to treatments that claim to be useful but have not been shown to

Search:

#### Frequently Asked Questions:

Marijuana is now legal in some areas of the U.S. What is the impact of taking marijuana for the teenager or young adult with ADHD?

Can you help me find a doctor or mental health professional?

Is there a simple test to diagnose ADHD?

The school says my child needs Ritalin; where do I get it?

What is Executive Function?

View all Frequently Asked Questions

[Ask a question about AD/HD](#)



## Health Topics: A

Abdominal Aortic Aneurysm see [Aortic Aneurysm](#)

[Abdominal Pain](#)

Abdominal Pregnancy see [Ectopic Pregnancy](#)

Abnormalities see [Birth Defects](#)

ABO Blood Groups see [Blood and Blood Disorders](#)

[Abortion](#)

About Your Medicines see [Medicines](#); [Over-the-Counter Medicines](#)

ABPA see [Aspergillosis](#)

[Abscess](#)

Abuse see [Child Abuse](#); [Domestic Violence](#); [Elder Abuse](#)

Accident Prevention see [Safety](#)

Accidents see [Falls](#); [First Aid](#); [Injuries](#)

Achalasia see [Esophagus Disorders](#)

Achilles Tendon Injuries see [Heel Injuries and Disorders](#)

Achondroplasia see [Dwarfism](#)

Acid Reflux see [GERD](#); [Heartburn](#)

ACL Injuries see [Knee Injuries and Disorders](#)

[Acne](#)

Acne Rosacea see [Rosacea](#)

[Acoustic Neuroma](#)

Acquired Immunodeficiency Syndrome see [HIV/AIDS](#)

انتخاب از  
لیست الفبایی  
موضوع ها

## Asthma

### On this page

#### Basics

- Summary
- Start Here
- Latest News
- Diagnosis/Symptoms
- Treatment
- Prevention/Screening

#### Research

- Clinical Trials
- Research
- Journal Articles

### Summary

Asthma is a chronic disease that affects your lungs. It makes them very sensitive and very irritating. When you breathe in irritants, your airways become inflamed and narrow, making it difficult to breathe.

Symptoms of asthma include:

- Wheezing

## Asthma

### On this page

#### Basics

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- Diagnosis/Symptoms
- Treatment
- Prevention/Screening

#### Multimedia & Tools

- Pictures & Photographs
- Health Check Tools
- Videos

#### Reference Shelf

- Dictionaries/Glossaries
- Directories
- Organizations
- Newsletters/Print Publications
- Statistics

## Asthma



Asthma is a chronic disease that affects your airways. Your airways are tubes that carry air in and out of your lungs. If you have asthma, the inside walls of your airways become sore and swollen. That makes them very sensitive, and they may react strongly to things that you are allergic to or find irritating. When your airways react, they get narrower and your lungs get less air.



### Asthma updates by email

### MEDICAL ENCYCLOPEDIA

es, asthma, and dust

### OPEDIA

dust  
molds  
pollen

# Drugs, Herbs and Supplements

داروها، گیاهان دارویی و مکمل ها





## Drugs, Supplements, and Herbal Information



### Drugs

Learn about your prescription drugs and over-the-counter medicines. Includes side effects, dosage, special precautions, and more.

Browse by generic or brand name

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0-9

For FDA approved labels included in drug packages, see [DailyMed](#).



### Herbs and Supplements

Browse dietary supplements and herbal remedies to learn about their effectiveness, usual dosage, and drug interactions.

All herbs and supplements



### Related Topics

[AIDS Medicines](#)

[Antibiotics](#)

[Antidepressants](#)

[Blood Pressure Medicines](#)

[Blood Thinners](#)

[Cancer Alternative Therapies](#)

[Cancer Chemotherapy](#)

[Cold and Cough Medicines](#)

[Complementary and Alternative Medicine](#)

[Diabetes Medicines](#)

[Dietary Supplements](#)

[Drug Safety](#)

## Drugs, Supplements, and Herbal Information

### Drugs

Learn about your prescription drugs and over-the-counter medicines. Includes dosage, special precautions, and more.

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A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 0-9

For FDA approved labels included in drug packages, see [DailyMed](#).

### Herbs and Supplements

Browse dietary supplements and herbal remedies to learn about their effectiveness, use, dosage, and drug interactions.

All herbs and supplements

بر اساس نام تجاری یا  
ژنریک داروها و به  
صورت الفبایی لیست  
شده اند.

گیاهان و مکملها

[Antidepressants](#)  
[Blood Pressure Medicines](#)  
[Blood Thinners](#)  
[Cancer Alternative Therapies](#)  
[Cancer Chemotherapy](#)  
[Cold and Cough Medicines](#)  
[Complementary and Alternative Medicine](#)



Why is this medication prescribed?

How should this medicine be used?

Other uses for this medicine

What special precautions should I follow?

What special dietary instructions should I follow?

What should I do if I forget a dose?

What side effects can this medication cause?

What should I know about storage and disposal of this medication?

In case of emergency/overdose

What other information should I know?

Brand names

Brand names of combination products

Other names

## IMPORTANT WARNING:

Taking too much acetaminophen can cause liver damage, sometimes serious enough to require liver transplantation or cause death. You might accidentally take too much acetaminophen if you do not follow the directions on the prescription or package label carefully, or if you take more than one product that contains acetaminophen.

### To be sure that you take acetaminophen safely, you should

- not take more than one product that contains acetaminophen at a time. Read the labels of all the prescription and nonprescription medications you are taking to see if they contain acetaminophen. Be aware that abbreviations such as APAP, AC, Acetaminophen, Acetaminoph, Acetaminop, Acetamin, or Acetam. may be written on the label in place of the word acetaminophen. Ask your doctor or pharmacist if you don't know if a medication that you are taking contains acetaminophen.
- take acetaminophen exactly as directed on the prescription or package label. Do not take more acetaminophen or take it more often than directed, even if you still have fever or pain. Ask your doctor or pharmacist if you do not know how much medication to take or how often to take your medication. Call your doctor if you still have pain or fever after taking your medication as directed.
- be aware that you should not take more than 4000 mg of acetaminophen per day. If you need to take more than one product that contains acetaminophen, it may be difficult for you to calculate the total amount of acetaminophen you are taking. Ask your doctor or pharmacist to

اطلاعات بیشتر دارو



# Aloe Vera = گیاهان دارویی

Health Topics

Drugs & Supplements

Videos & Cool Tools

ESPAÑOL

Aloe

[What is it?](#)

[How effective is it?](#)

[How does it work?](#)

[Are there safety concerns?](#)

[Are there interactions with medications?](#)

[Are there interactions with herbs and supplements?](#)

[Are there interactions with foods?](#)

[What dose is used?](#)

[Other names](#)

[Methodology](#)

[References](#)

## What is it?

Aloe (often called aloe vera) is a plant related to cactus. It produces two substances, gel and latex, which are used for medicines. Aloe gel is the clear, jelly-like substance found in the inner part of the aloe plant leaf. Aloe latex comes from just under the plant's skin and is yellow in color. Some aloe products are made from the whole crushed leaf, so they contain both gel and latex. The aloe that is mentioned in the Bible is an unrelated fragrant wood used as incense.

Aloe medications can be taken by mouth or applied to the skin. Aloe gel is taken by mouth for osteoarthritis, bowel diseases including ulcerative colitis, fever, itching and inflammation, and as a general tonic. It is also used for stomach ulcers, diabetes, asthma, and for treating some side effects of radiation treatment.

But most people use aloe gel topically, as a remedy for skin conditions including burns, sunburn, frostbite, psoriasis, and cold sores. Some people also use aloe gel to help surgical wounds and bedsores heal faster. There is some science supporting these uses. Some chemicals in aloe gel seem to be able to increase circulation in the tiny blood vessels in the skin, as well as kill bacteria. Together, these effects suggest that aloe gel might be effective in speeding wound healing. But it's too early to come to that conclusion. Evidence is contradictory. One study suggests that aloe gel may actually delay wound healing.



Home → Videos & Tools

## Videos & Tools



Watch health videos on topics such as anatomy and body systems, surgical procedures and health news. Test your knowledge with interactive tutorials and games. Check your health with calculators and quizzes.



### Health Videos

View videos of anatomy and body systems and how diseases and conditions affect them.



### Surgery Videos

Find videos of operations and surgical procedures.



### Health Check Tools

Check your health with interactive calculators, quizzes and questionnaires.



### Games

Boost your health knowledge by playing interactive health games.

### Today's Health News Video:

## Antioxidants and Cancer Risk

Friday, October 9

[Transcript](#)



For closed captioning, click the CC button on the lower right-hand corner of the player. [Video player keyboard shortcuts](#)

### Search all Videos & Tutorials

GO

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### Search all Videos & Tutorials

Home → Videos &amp; Tools → Health Videos

## Health Videos

These animated videos show the anatomy of body parts and organ systems and how various conditions affect them.

- Allergies
- Alzheimer disease
- Arrhythmias
- **Atherosclerosis**
- Athetosis resulting from basal ganglia injury
- Balloon angioplasty - short segment
- Bladder function - neurological control
- Blinking
- Blood clotting
- Blood flow
- Blood pressure
- Brain components
- Breast lift
- Breathing
- Bunion
- Heartburn
- Herniated nucleus (slipped disk)
- Hypertension - overview
- Immune response
- Intracytoplasmic sperm injection
- Kidney stones
- Liposuction
- Lymph nodes
- Lymphatics and the breast
- Macular degeneration
- Nerve conduction
- Osteoarthritis
- Osteoporosis
- Ovulation
- Parkinson's disease
- Percutaneous transluminal

ویدئوهای آموزشی  
 درباره آناتومی،  
 قسمت‌های مختلف  
 بدن، سیستم‌ها و  
 تاثیر بیماریها بر آن



Home → Videos & Tools → Health Videos → Atherosclerosis

## Atherosclerosis



No audio description

With audio description



### Related MedlinePlus Health Topics

Atherosclerosis

Fat, cholesterol, platelets, and other substances may collect in the damaged arterial wall.

ADAM



may accumulate at a damaged section of the arterial wall.





Home → Videos & Tools

## Videos & Tools



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Find videos of operations and surgical procedures.



### Health Check Tools

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### Games

Boost your health knowledge by playing interactive health games.

### Today's Health News Video:

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[Transcript](#)



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### Search all Videos & Tutorials

GO

Home → Videos & Tools → Videos of Surgical Procedures

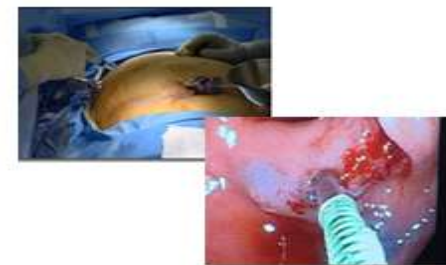
## Videos of Surgical Procedures



This page provides links to prerecorded webcasts of surgical procedures. These are actual operations performed at medical centers in the United States. Please note that you cannot send in questions by email, though the webcast may say that you can, because you are not seeing these videos live.

The videos are in Flash format. You will need Flash Player to view the programs. You can download Flash Player for free at [www.adobe.com/products/flashplayer](http://www.adobe.com/products/flashplayer).

The videos open in a second window. If you have a pop-up blocker, you will need to disable it to view the programs.



## Blood, Heart and Circulation

### Angioplasty

- [Coronary Angioplasty Stent Placement](#) (Shawnee Mission Medical Center, Merriam, KS, 2/19/2009)

### Aortic Aneurysm

- [Abdominal Aortic Dissection and Aneurysms](#) (New York-Presbyterian Hospital, New York, NY, 6/24/2009)
- [Aortic Aneurysm Repair](#) (Baptist Hospital, Miami, FL, 5/07/2009)
- [Hybrid Arch Debranching](#) (University of Maryland Medical Center, Baltimore, MD, 2/16/2012)
- [Innovations in Minimally Invasive and Conventional Therapy for Aortic Dissection and Aneurysms](#) (New York-Presbyterian Hospital, New York, NY, 6/24/2009)
- [Repair Options for Abdominal Aortic Aneurysms](#) (Shawnee Mission Medical Center, Merriam, KS, 7/30/2009)
- [Silent Killer -- Aortic Aneurysms -- Resolved Without Open Surgery](#) (Pinnacle Health, Harrisburg, PA, 5/18/2009)
- [Transesophageal Echocardiogram \(TEE\)](#) (Shawnee Mission Medical Center, Merriam, KS, 2/17/2009)

### Arrhythmia



Search Video

valve bypass surgery is highly efficacious at dropping the native aortic valve gradient. In our experience, the mean gradient has dropped from 43 to 10.

In conclusion, aortic valve bypass surgery is a valuable option for the high-risk aortic stenosis patient. Aortic valve bypass surgery uses established prosthetic valves, and is associated with a greater than 30-year clinical experience. There are currently patients that are now more than 25 years out from aortic valve bypass surgery and doing well, clinically. It offers the opportunity to treat aortic stenosis without the cardiopulmonary bypass machine, without aortic cross-clamping, and without a sternotomy.

We would like to thank Ivan George, the MASTRI Center, Bart Griffith, and John Brown.

SCAN VIEW 3PlayMedia

[View Program Transcript](#)



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[Home](#) → [Medical Encyclopedia](#)

## Medical Encyclopedia



The A.D.A.M. Medical Encyclopedia includes over 4,000 articles about diseases, tests, symptoms, injuries, and surgeries. It also contains an extensive library of medical photographs and illustrations. For more information about A.D.A.M., see its [content review board](#).

### Find encyclopedia articles A-Z

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### Medical Encyclopedia

Articles and images for diseases, symptoms, tests, treatments



# Medical encyclopedia=

## دائرة المعارف پزشکی

Home → Medical Encyclopedia → Hair loss

## Hair loss



Partial or complete loss of hair is called alopecia.

### Considerations

Hair loss usually develops gradually. It may be patchy or all over (diffuse). You lose roughly 100 hairs from your head every day. The scalp contains about 100,000 hairs.

درباره موضوع بیشتر بخوانید

CLICK TO KEEP READING

### [Hair Loss](#)

[Read more](#) ▶▶▶



### NIH MedlinePlus Magazine

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### Health Topics A-Z

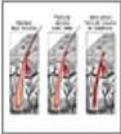
[Read more](#) ▶▶▶



## Alternative Names

Loss of hair; Alopecia; Baldness; Scarring alopecia; Non-scarring alopecia

## Images



Hair follicle



Ringworm,  
tinea capitis -  
close-up



Alopecia areata  
with pustules



Alopecia totalis  
- back view of  
the head



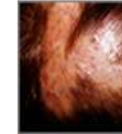
Alopecia totalis  
- front view of  
the head



Alopecia, under  
treatment



Trichotillomania  
- top of the  
head



Folliculitis,  
decalvans on  
the scalp

## References

Habif TP. Hair diseases. In: Habif TP, ed. *Clinical Dermatology: A Color Guide to Diagnosis and Therapy*. 6th ed. Philadelphia, PA: Elsevier; 2016:chap 24.

Hordinsky MK. Current treatments for alopecia areata. *J Investig Dermatol Symp Proc*. 2015;17(2):44-46. PMID: 26551946  
[www.ncbi.nlm.nih.gov/pubmed/26551946](http://www.ncbi.nlm.nih.gov/pubmed/26551946).

Tosti A. Diseases of hair and nails. In: Goldman L, Schafer AI, eds. *Goldman-Cecil Medicine*. 25th ed. Philadelphia, PA: Elsevier Saunders; 2016:chap 442.

## Review Date 4/14/2017

Updated by: Kevin Berman, MD, PhD, Atlanta Center for Dermatologic Disease, Atlanta, GA. Review provided by VeriMed Healthcare Network. Also reviewed by David Zieve, MD, MHA, Medical Director, Brenda Conaway, Editorial Director, and the A.D.A.M. Editorial team.

# Lab Test Information

اطلاعاتی مفید در باره تست های آزمایشگاهی ، مثلا کاربرد یک تست آزمایشگاهی ، دلیل دستور پزشک برای انجام آن، تست چگونه انجام می شود و معنا و تفسیر نتایج چیست؟

## R

RDW (Red Cell Distribution Width)  
Red Blood Cell Antibody Screen  
Respiratory Syncytial Virus (RSV) Tests  
Rheumatoid Factor (RF) Test

## S

Semen Analysis  
Skin Biopsy  
Sodium Blood Test  
Sweat Test for Cystic Fibrosis  
Syphilis Tests

## T

Testosterone Levels Test  
Thyroxine (T4) Test  
Triglycerides Test  
TSH (Thyroid-stimulating hormone) Test  
Tumor Marker Tests

## U

Urobilinogen in Urine

## V

Vitamin D Test  
Vitamin E (Tocopherol) Test

## E

Epithelial Cells in Urine  
Erythrocyte Sedimentation Rate (ESR)

## F

Fasting for a Blood Test  
Fecal Occult Blood Test (FOBT)  
Ferritin Blood Test  
Flu (Influenza) Test  
Fungal Culture Test

## G

Globulin Test  
Glucose in Urine Test

## H

Heavy Metal Blood Test  
Hematocrit Test  
Hemoglobin A1C (HbA1c) Test  
Hemoglobin Test  
Hepatitis Panel  
HIV Screening Test  
HIV Viral Load  
Homocysteine Test  
How to Understand Your Lab Results  
Human Papillomavirus (HPV) Test



## اطلاعات هر تست شامل:

- *Test name?*
- *What is it used for?*
- *Why do I need ....test?*
- *What happens during .....test?*
- *Will I need to do anything to prepare for the test?*
- *Are there any risks to the test?*
- *What do the results mean?*
- *References*





# Vitamin D Test

## What is a Vitamin D Test?

**Vitamin D** is a nutrient that is essential for healthy bones and teeth. There are two forms of vitamin D that are important for nutrition: vitamin D2 and vitamin D3. Vitamin D2 mainly comes from fortified foods like breakfast cereals, milk, and other dairy items. Vitamin D3 is made by your own body when you are exposed to sunlight. It is also found in some foods, including eggs and fatty fish, such as salmon, tuna, and mackerel.

In your bloodstream, vitamin D2 and vitamin D3 are changed into a form of vitamin D called 25 hydroxyvitamin D, also known as 25(OH)D. A vitamin D blood test measures the level of 25(OH)D in your blood. Abnormal levels of vitamin D can indicate **bone disorders**, nutrition problems, organ damage, or other medical conditions.

Other names: 25-hydroxyvitamin D, 25(OH)D

## What is it used for?

A vitamin D test is used to screen for or monitor bone disorders. It is also sometimes used to check vitamin D levels in people with chronic illnesses such as **asthma**, **psoriasis**, and certain **autoimmune diseases**.

## Why do I need a vitamin D test?

Your health care provider may have ordered a vitamin D test if you have symptoms of a **vitamin D deficiency** (not enough vitamin D). These symptoms include:

- Bone weakness
- Bone softness
- Bone malformation (in children)
- **Fractures**

The test may be ordered if you are at a higher risk for a vitamin D deficiency. Risk factors include:

- **Osteoporosis** or other bone disorder
- Previous **gastric bypass surgery**
- Age; vitamin D deficiency is more common in older adults.
- **Obesity**
- Lack of exposure to sunlight



# نمونه ای از صفحه تست ویتامین D

# MedlinePlus Magazine



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### Clinical Trials

Search [ClinicalTrials.gov](http://ClinicalTrials.gov) for drug and treatment studies.

# ليست الفبايي موضوعي + لينك به مطلب

## Anatomy

- [Body Parts](#) *Interactive tutorial* (National Museum of American History)

## Antidepressants

- [Depression—Medicines To Help You](#) (Food and Drug Administration)

## Anxiety

- [Generalized Anxiety Disorder \(GAD\): When Worry Gets Out of Control](#)  (National Institute of Mental Health) - PDF

## Aortic Aneurysm

- [Talk to Your Doctor about Abdominal Aortic Aneurysm](#) (Office of Disease Prevention and Health Promotion)

## Arthritis

- [Arthritis](#)  (National Institute of Arthritis and Musculoskeletal and Skin Diseases)
- [What Are Osteoporosis and Arthritis and How Are They Different?](#)  (National Institute of Arthritis and Musculoskeletal and Skin Diseases)  
Also in Spanish

## Artificial Limbs

- [Cosmesis: The Art of Making Artificial Limbs Look Lifelike](#) (Amputee Coalition of America)
- [Limb Loss in Children: Prosthetic Issues](#) (Amputee Coalition of America)
- [Prosthetic Feet](#) (Amputee Coalition of America)  
Also in Spanish
- [Prosthetic Knee Systems](#) (Amputee Coalition of America)
- [Senior Health: Older Adults and Newer Technology](#) (Amputee Coalition of America)
- [When Are Prostheses the Right Choice for Older Amputees?](#) (Amputee Coalition of America)

## Asthma

- [Enviromysteries: Inside Stories: Thomas' Story](#) *Interactive tutorial* (Johns Hopkins Bloomberg School of Public Health, Maryland Public Television)

## Asthma in Children

- [Enviromysteries: Inside Stories: Thomas' Story](#) *Interactive tutorial* (Johns Hopkins Bloomberg School of Public Health, Maryland Public Television)

## Health Topics

## Drugs & Supplements

## Videos & Tools

**Español**



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Find information on health, wellness, disorders and conditions



### Drugs & Supplements

Learn about prescription drugs, over-the-counter medicines, herbs, and supplements



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Discover tutorials, health and surgery videos, games, and quizzes



### Medical Encyclopedia

Articles and images for diseases, symptoms, tests, treatments

### Medical Dictionary from Merriam-Webster



**Foodborne illness is in the news.**

**Learn what you need to know.**

1 2 3 4 II

### Today's Health News

[Carrots Do Help Aging Eyes, Study Finds](#)

[Whistle ... and Wa](#)

[Worse Psoriasis, Le Study Finds](#)

[More health news](#)

### Clinical Trials

Search ClinicalTrials.gov for treatment studies.

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**Measles - Multiple Languages**



[Farsi \(فارسی\)](#)

[Spanish \(español\)](#)

[Tagalog \(Tagalog\)](#)

[Portuguese \(português\)](#)

**Farsi (فارسی)**

- [MMR \(Measles, Mumps and Rubella\) Vaccine English \(Farsi\) واکسن - فارسی MMR PDF](#)  
Immunization Action Coalition; Centers for Disease Control and Prevention



**Portuguese (português)**

- [Measles, Mumps and Rubella \(MMR\) Vaccines English Vacina Contra o Sarampo, a Caçumba e a Rubeola \(MMR\) - português \(Portuguese\) PDF](#)  
Immunization Action Coalition; Centers for Disease Control and Prevention

**Spanish (español)**

- [Sarampión](#)

**Tagalog (Tagalog)**

- [MMR \(Measles, Mumps and Rubella\) Vaccine English Bakuna sa MMR \(Measles, Mumps, & Rubella\) - Tagalog \(Tagalog\) PDF](#)  
Immunization Action Coalition; Centers for Disease Control and Prevention

# چگونه در مدلاین پلاس جستجو کنیم؟

NIH U.S. National Library of Medicine



skin infections

X

GO

اولین گام: تایپ موضوع

Health Topics   Drugs & Supplements   Videos & Tools

Español

## Search Tips

رعایت نکاتی برای جستجویی سودمند

- Key word versus phrase searching
  - - renal cell cancer = 985 results
  - - “renal cell cancer” = 24 results
- Boolean searching ( OR, NOT )
  - “weight loss” NOT surgery
  - “weight loss” “gastric bypass” (AND is the default)
- Use the asterisk to search for word variations
  - lymph\* (lymphoma, lymphatic, lymphedema)



# دومین گام: مطالعه و بررسی نتایج

Home → Search Results

Search Help

## Refine by Type

All Results (7,191)

- Health Topics (114)
- External Health Links (4,164)
- Drugs and Supplements (604)
- Medical Encyclopedia (1,214)
- MedlinePlus Magazine (36)
- Multiple Languages (14)
- National Institutes of Health (768)

## Refine by Format

All Results (7,191)

- PDF (178)
- Images (85)
- Videos (14)

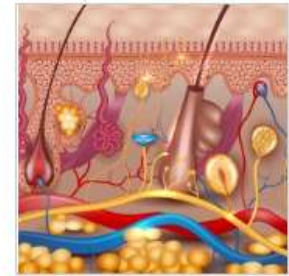
## Skin Infections

Your skin helps protect you from germs, but sometimes it can get infected by them. Some common types of skin infections are

- Bacterial: Cellulitis and impetigo. Staphylococcal infections can also affect the skin.
- Viral: Shingles, warts, and herpes simplex
- Fungal: Athlete's foot and yeast infections
- Parasitic: Body lice, head lice, and scabies

Treatment of skin infections depends on the cause.

(Read more)



Results 1 - 10 of 6,201 for **skin infections**

### 1. **Skin Infections** (National Library of Medicine)

... get infected by them. Some common types of **skin infections** are Bacterial: Cellulitis and impetigo. Staphylococcal **infections** can ... Body lice, head lice, and scabies  
Treatment of **skin infections** depends on the cause.

<https://medlineplus.gov/skininfections.html> - Health Topics



Refine by Type

All Results (673)

- Health Topics (6)
- External Health Links (310)
- Drugs and Supplements (15)
- Medical Encyclopedia (39)
- Videos and Tutorials (5)
- News (5)
- MedlinePlus Magazine (5)
- Other Resources (5)
- Multiple Languages (2)

Refine by Keyword

All Results (673)

- Shingles (40)
- Hepatitis (23)
- Image (15)
- Pregnancy (17)
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remix

Chickenpox

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Chickenpox is an infectious disease caused by the varicella virus. Most cases occur in children under age 15 but older children and adults can get it. It spreads very easily from one child to another.

Symptoms include an uncomfortable, itchy rash, fever and headache. The rash is like blisters and usually appears on the face, scalp or trunk. The disease is usually mild and lasts 5 to 10 days, but it sometimes causes serious problems. Adults and older children tend to get sicker from it. Do not give aspirin to anyone sick with chickenpox since the combination might cause Reye Syndrome. [\(Read more\)](#)



Results 1 - 10 of 673 for Chickenpox

- 1. Chickenpox** (National Library of Medicine)  
Chickenpox is an infectious disease caused by the varicella virus. Most cases occur in children under age ... Do not give aspirin to anyone sick with **chickenpox** since the combination might cause Reye Syndrome. Once ...  
[www.nlm.nih.gov/medlineplus/chickenpox.html](http://www.nlm.nih.gov/medlineplus/chickenpox.html) - Health Topics
- 2. Chickenpox vaccine**  
Varicella zoster virus vaccine; Varivax; Vaccine - **chickenpox** ... **Chickenpox** is caused by the varicella-zoster virus (VZV). It is very common and spreads very easily. ...  
[www.nlm.nih.gov/medlineplus/ency/article/007065.htm](http://www.nlm.nih.gov/medlineplus/ency/article/007065.htm) - Medical Encyclopedia
- 3. Chickenpox (For Children)** (Nemours Foundation)  
... eyes and — yikes! You have **chickenpox**! What is **Chickenpox**? **Chickenpox** is caused by a

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