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National Institutes of Health / National Library of Medicine

# MedlinePlus 25

Trusted Health Information for You

YEARS

of health  
information

Home → Health Topics → Diabetes

URL of this page:

<https://medlineplus.gov/diabetes.html>

## Diabetes

Also called: Diabetes mellitus, DM

**Diabetes is a disease in which your blood glucose, or blood sugar** [<https://medlineplus.gov/bloodglucose.html>], **levels are too high. Glucose comes from the foods you eat. Insulin is a hormone that helps the glucose get into your cells to give them energy. With type 1 diabetes** [<https://medlineplus.gov/diabetestype1.html>], **your body does not make insulin. With type 2 diabetes** [<https://medlineplus.gov/diabetestype2.html>], **the more common type, your body does not make or use insulin well. Without enough insulin, the glucose stays in your blood. You can also have prediabetes** [<https://medlineplus.gov/prediabetes.html>]. **This means that your blood sugar is higher than normal but not high enough to be called diabetes. Having prediabetes puts you at a higher risk of getting type 2 diabetes.**

**Over time, having too much glucose in your blood can cause serious problems** [<https://medlineplus.gov/diabetescomplications.html>]. **It can damage your eyes**

**[<https://medlineplus.gov/diabeticeyeproblems.html>], kidneys** [<https://medlineplus.gov/diabetickidneyproblems.html>], **and nerves** [<https://medlineplus.gov/diabeticnerveproblems.html>]. **Diabetes can also cause heart disease** [<https://medlineplus.gov/diabeticheartdisease.html>], **stroke and even the need to remove a limb. Pregnant women can also get diabetes, called gestational diabetes** [<https://medlineplus.gov/diabetesandpregnancy.html>].

**Blood tests can show if you have diabetes. One type of test, the A1C** [<https://medlineplus.gov/a1c.html>],

can also check on how you are managing your diabetes. Exercise, weight control and sticking to your meal plan [<https://medlineplus.gov/diabeticdiet.html>] can help control your diabetes. You should also monitor your blood glucose level and take medicine [<https://medlineplus.gov/diabetesmedicines.html>] if prescribed.

*NIH: National Institute of Diabetes and Digestive and Kidney Diseases*

Start Here

Diabetes [<https://familydoctor.org/condition/diabetes/?adfree=true>] (American Academy of Family Physicians)

Managing Diabetes [<https://www.niddk.nih.gov/health-information/diabetes/overview/managing-diabetes>]

NIH (National Institute of Diabetes and Digestive and Kidney Diseases)

Also in Spanish [<https://www.niddk.nih.gov/health-information/informacion-de-la-salud/diabetes/informacion-general/control>]

- What is Diabetes? [<https://www.niddk.nih.gov/health-information/diabetes/overview/what-is-diabetes>]

NIH (National Institute of Diabetes and Digestive and Kidney Diseases)

Also in Spanish [<https://www.niddk.nih.gov/health-information/informacion-de-la-salud/diabetes/informacion-general/ques>]

<https://medlineplus.gov/diabetes.html#>

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## Diagnosis and Tests

Diabetes Type 1 Diabetes | Type 2 Diabetes | MedlinePlus

- A1C: MedlinePlus Health Topic [<https://medlineplus.gov/a1c.html>] NIH (National Library of Medicine) Also in Spanish [<https://medlineplus.gov/spanish/a1c.html>]
- At-Home Medical Tests [<https://medlineplus.gov/lab-tests/at-home-medical-tests/>] NIH (National Library of Medicine) Also in Spanish [<https://medlineplus.gov/spanish/pruebas-de-laboratorio/pruebas-medicinas-en-el-hogar/>]
- Blood Glucose Test [<https://medlineplus.gov/lab-tests/blood-glucose-test/>] NIH (National

**Library of Medicine) Also in Spanish** [<https://medlineplus.gov/spanish/pruebas-de-laboratorio/prueba-de-glucosa-en-la-sangre/>]

- **Diabetes Tests and Diagnosis** [<https://www.niddk.nih.gov/health-information/diabetes/overview/tests-diagnosis>]

**NIH (National Institute of Diabetes and Digestive and Kidney Diseases)**

**Also in Spanish** [<https://www.niddk.nih.gov/health-information/informacion-de-la-salud/diabetes/informacion-general/pruebas-diagnostico>]

Glucagon Blood Test [<https://medlineplus.gov/lab-tests/glucagon-blood-test/>] **NIH (National Library of Medicine) Also in Spanish** [<https://medlineplus.gov/spanish/pruebas-de-laboratorio/analisis-de-sangre-de-glucagon/>]

Glucose in Urine Test [<https://medlineplus.gov/lab-tests/glucose-in-urine-test/>] **NIH (National Library of Medicine) Also in Spanish** [<https://medlineplus.gov/spanish/pruebas-de-laboratorio/prueba-de-glucosa-en-la-orina/>]

Ketones in Blood [<https://medlineplus.gov/lab-tests/ketones-in-blood/>] **NIH (National Library of Medicine)**

**Also in Spanish** [<https://medlineplus.gov/spanish/pruebas-de-laboratorio/prueba-de-cetonas-en-sangre/>]

- Ketones in Urine [<https://medlineplus.gov/lab-tests/ketones-in-urine/>] **NIH (National Library of Medicine) Also in Spanish** [<https://medlineplus.gov/spanish/pruebas-de-laboratorio/prueba-de-cetonas-en-la-orina/>]

## Prevention and Risk Factors

**How to Prevent Diabetes: MedlinePlus Health Topic**  
[<https://medlineplus.gov/howtopreventdiabetes.html>]

NIH (National Library of  
Medicine)

**Also in Spanish**  
[<https://medlineplus.gov/spanish/howtopreventdiabetes.html>]

## Treatments and Therapies

**Diabetes Medicines: MedlinePlus Health Topic**  
[<https://medlineplus.gov/diabetesmedicines.html>]

NIH (National Library of  
Medicine)

**Also in Spanish**  
[<https://medlineplus.gov/spanish/diabetesmedicines.html>]

## Living With

Changing **Your Habits for Better Health** [<https://www.niddk.nih.gov/health-information/diet-nutrition/changing-habits-better-health>] NIH (National Institute of Diabetes and Digestive and Kidney Diseases)

**Also in Spanish** [[https://www.niddk.nih.gov/health-information/informacion-de-la-salud/alimentacion-nutricion/como-cambiar-sus-](https://www.niddk.nih.gov/health-information/informacion-de-la-salud/alimentacion-nutricion/como-cambiar-sus-habitos-para-tener-una-mejor-salud)

[habitos-para-tener-una-mejor-salud](https://www.niddk.nih.gov/health-information/informacion-de-la-salud/alimentacion-nutricion/como-cambiar-sus-habitos-para-tener-una-mejor-salud)]

Diabetes and Digestion [<https://www.heart.org/en/health-topics/diabetes/about-diabetes/prediabetes-and-digestion>] (American Heart Association)

- Diabetes and **DKA** (Ketoacidosis) [<https://diabetes.org/about-diabetes/complications/ketoacidosis-dka/dka-ketoacidosis-ketones>] (American Diabetes Association)

- **Diabetes and Mental Health** [<https://www.cdc.gov/diabetes/living-with/mental-health.html>]

(Centers for Disease Control and  
Prevention)

**Also in Spanish** [<https://www.cdc.gov/diabetes/es/living-with/la-diabetes-y-la-salud-mental.html>]

Diabetes Type 1 Diabetes | Type 2 Diabetes |  
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- **Diabetic Diet: MedlinePlus Health Topic** [<https://medlineplus.gov/diabeticdiet.html>] **NIH (National Library of Medicine)** **Also in Spanish** [<https://medlineplus.gov/spanish/diabeticdiet.html>]

**Healthy Weight** [<https://www.cdc.gov/diabetes/living-with/healthy-weight.html>]

(Centers for Disease Control and Prevention)

**Managing Diabetes in the Heat** [<https://www.cdc.gov/diabetes/articles/managing-diabetes-in-the-heat.html>] (Centers for Disease Control and Prevention)

- **Take Diabetes to Heart** [<https://www.nhlbi.nih.gov/resources/take-diabetes-heart-fact-sheet>]

**NIH Easy-to-Read (National Heart, Lung, and Blood Institute) - PDF**

**Tips for Traveling with Diabetes** [<https://www.cdc.gov/diabetes/about/tips-for-traveling-with-diabetes.html>] (Centers for Disease Control and Prevention)

- **Your Diabetes Care Team** [<https://www.cdc.gov/diabetes/treatment/diabetes-doctors.html>]

(Mayo Foundation for Medical Education and Research)

#### **Related Issues**

- **A1C Test and Race/Ethnicity** [<https://www.niddk.nih.gov/health-information/diagnostic-tests/a1c-test-race-ethnicity>]

**NIH (National Institute of Diabetes and Digestive and Kidney Diseases)**

Healthy Living with Diabetes [<https://www.niddk.nih.gov/health-information/diabetes/overview/healthy-living-with-diabetes?dkrd-/health-information/diabetes/overview/diet-eating-physical-activity>]

NIH (National Institute of Diabetes and Digestive and Kidney Diseases)

Also in Spanish [<https://www.niddk.nih.gov/health-information/informacion-de-la-salud/diabetes/informacion-general/nutricion-alimentacion-actividad-fisica>]

Hyperinsulinemia: Is it diabetes? [<https://www.mayoclinic.org/diseases-conditions/type-2-diabetes/expert-answers/hyperinsulinemia/FAQ-20058488?p=1>] (Mayo Foundation for Medical Education and Research)

Also in Spanish [<https://www.mayoclinic.org/es/diseases-conditions/type-2-diabetes/expert-answers/hyperinsulinemia/FAQ-20058488?p=1>]

People at Higher Risk of Flu Complications  
[<https://www.cdc.gov/flu/highrisk/>]

(Centers for Disease Control and Prevention)

Also in Spanish  
[<https://espanol.cdc.gov/flu/highrisk/index.htm>]

People with Diabetes and Hepatitis B  
[<https://www.cdc.gov/hepatitis/populations/diabetes.htm>] (Centers for Disease Control and Prevention)

Prediabetes: MedlinePlus **Health** Topic [<https://medlineplus.gov/prediabetes.html>] **NIH (National Library of Medicine)** **Also in Spanish** [<https://medlineplus.gov/spanish/prediabetes.html>]

**Speak Up -- Diabetes: Five Ways to Be Active in Your Care at the Hospital**

[[https://www.jointcommission.org/-/media/tjc/documents/resources/speak-up/diabetes\\_brochure-5-15-2020.pdf](https://www.jointcommission.org/-/media/tjc/documents/resources/speak-up/diabetes_brochure-5-15-2020.pdf)]

(**Joint Commission**) - **PDF**

**Symptoms and Causes of Diabetes** [<https://www.niddk.nih.gov/health-information/diabetes/overview/symptoms-causes>] **NIH (National Institute of Diabetes and Digestive and Kidney Diseases)**

**Also in Spanish** [<https://www.niddk.nih.gov/health-information/informacion-de-la-salud/diabetes/informacion-general/sintomas-causas>]

**Vaccinations for Adults with Diabetes** [<https://www.immunize.org/wp-content/uploads/catg.d/p4043.pdf>] (**Immunization Action Coalition**) - **PDF**

## Genetics

**17q12 deletion syndrome: MedlinePlus Genetics**

[<https://medlineplus.gov/genetics/condition/17q12-deletion-syndrome>] **NIH (National Library of Medicine)**

<https://medlineplus.gov/diabetes.html>

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**6q24-related transient neonatal diabetes mellitus: MedlinePlus Genetics**

[<https://medlineplus.gov/genetics/condition/6q24-related-transient-neonatal-diabetes-mellitus>]

**NIH (National Library of Medicine)**

**Congenital generalized lipodystrophy: MedlinePlus**

## Genetics

[<https://medlineplus.gov/genetics/condition/congenital-generalized-lipodystrophy>] **NIH (National Library of Medicine)**

Familial partial lipodystrophy: **MedlinePlus Genetics**

[<https://medlineplus.gov/genetics/condition/familial-partial-lipodystrophy>] **NIH (National Library of Medicine)**

Genetics of Diabetes [<https://diabetes.org/about-diabetes/genetics-diabetes>] **(American Diabetes Association)**

Maternally inherited diabetes and deafness: MedlinePlus Genetics

[<https://medlineplus.gov/genetics/condition/maternally-inherited-diabetes-and-deafness>] **NIH (National Library of Medicine)**

- **Maturity-onset diabetes of the young: MedlinePlus Genetics**

[<https://medlineplus.gov/genetics/condition/maturity-onset-diabetes-of-the-young>] **NIH (National Library of Medicine)**

Monogenic Forms of Diabetes: Neonatal Diabetes **Mellitus** and **Maturity-Onset Diabetes of the Young** [<https://www.niddk.nih.gov/health-information/diabetes/overview/what-is-diabetes/monogenic-neonatal-mellitus-modify>] **NIH (National Institute of Diabetes and Digestive and Kidney Diseases)**

**Thiamine-responsive megaloblastic anemia syndrome: MedlinePlus Genetics**

[<https://medlineplus.gov/genetics/condition/thiamine-responsive-megaloblastic-anemia-syndrome>] **NIH (National Library of Medicine)**

Type A insulin resistance syndrome: MedlinePlus Genetics

[<https://medlineplus.gov/genetics/condition/type-a-insulin-resistance-syndrome>] **NIH (National Library of Medicine)**

- **Wolfram syndrome: MedlinePlus Genetics** [<https://medlineplus.gov/genetics/condition/wolfram-syndrome>]

**NIH (National Library of Medicine)**



## Test Your Knowledge

Type 2 Diabetes Facts Quiz [[https://medlineplus.gov/ency/quiz/001214\\_3.htm](https://medlineplus.gov/ency/quiz/001214_3.htm)] (**Medical Encyclopedia**)

Also in Spanish

[[https://medlineplus.gov/spanish/ency/quiz/001214\\_63.htm](https://medlineplus.gov/spanish/ency/quiz/001214_63.htm)]

## Statistics and Research

- **Diabetes** in America, 3rd Edition [<https://www.niddk.nih.gov/about-niddk/strategic-plans-reports/diabetes-in-america-3rd-edition>] **NIH** (**National Institute of Diabetes and Digestive and Kidney Diseases**)

- Diabetes Interactive **Atlas**  
[<https://gis.cdc.gov/grasp/diabetes/DiabetesAtlas.html>]

(**Centers for Disease Control and Prevention**)

**FastStats: Diabetes** [<https://www.cdc.gov/nchs/fastats/diabetes.htm>] (**National Center for Health Statistics**)

National Diabetes **Statistics Report**

[<https://www.cdc.gov/diabetes/php/data-research/>] (**Centers for Disease Control and Prevention**)

- Native Americans **with Diabetes** [<https://www.cdc.gov/vitalsigns/pdf/2017-01-vitalsigns.pdf>]

(**Centers for Disease Control and Prevention**) - PDF

- Recent Advances (**in Diabetes Research**) [<https://diabetes.org/recent-advances>] (**American Diabetes Association**)

<https://medlineplus.gov/diabetes.htm>

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## Clinical Trials

Diabetes Type 1 Diabetes | Type 2 Diabetes |  
MedlinePlus

- **ClinicalTrials.gov: Diabetes Mellitus**

[[https://clinicaltrials.gov/search?](https://clinicaltrials.gov/search?cond=%22Diabetes+Mellitus%22&aggFilters=status:not%20rec)

[cond=%22Diabetes+Mellitus%22&aggFilters=status:not%20rec](https://clinicaltrials.gov/search?cond=%22Diabetes+Mellitus%22&aggFilters=status:not%20rec)] **NIH (National Institutes of Health)**

## Journal Articles

**References and abstracts from MEDLINE/PubMed (National Library of Medicine)**

- Article: Impact of telemedical management on **hospitalization** and **mortality in** heart failure...

[<https://www.ncbi.nlm.nih.gov/pubmed/38867198>]

- Article: **Effectiveness of a theory-based** foot care education **program** on **self-efficacy** and...

[<https://www.ncbi.nlm.nih.gov/pubmed/38608160>]

- Article: **A** purified reconstituted **bilayer matrix shows improved outcomes in** treatment

of... [<https://www.ncbi.nlm.nih.gov/pubmed/38606794>]

Diabetes -- see more articles

[<https://pubmed.ncbi.nlm.nih.gov/?term=%22Diabetes+Mellitus%22%5Bmajr%3Anoexp%5D+AND+humans%5Bmh%5D+AND+english%5Bla%5D+AND+%22last+1+Year%22+%5Bdat%5D+AND+%28patient+education+handout%5Bpt%5D+OR+guideline%5Bpt%5D+OR+clinical+trial%5Bpt%5D%29++NOT+%28letter%5Bpt%5D+OR+case+reports%5Bpt%5D+OR+editorial%5Bpt%5D+OR+comment%5Bpt%5D%29+AND+free+full+text%5Bsb%5D+>]

**term=%22Diabetes+Mellitus%22%5Bmajr%3Anoexp%5D+AND+humans%5Bmh%5D+AND+english%5Bla%5D+**

**AND+%22last+1+Year%22+%5Bdat%5D+AND+%28patient+education+handout%5Bpt%5D+OR+guideline%5Bpt%5D+OR+clinical+trial%5Bpt%5D%29++NOT+%28letter%5Bpt%5D+OR+case+reports%5Bpt%5D+OR+editorial%5Bpt%5D+OR+comment%5Bpt%5D%29+AND+free+full+text%5Bsb%5D+**

## Reference Desk

- Common Terms [<https://diabetes.org/about-diabetes/common-terms>] (**American Diabetes Association**)

## Find an Expert

- American Diabetes Association [<https://diabetes.org/>]

Find a Diabetes Educator [<https://nf01.diabeteseducator.org/eweb/DynamicPage.aspx?Site=AADE&WebCode=AAEDiaEduDirectory>] (**Association of Diabetes Care and Education Specialists**)

- National Institute of Diabetes and Digestive and Kidney Diseases

[<https://www.niddk.nih.gov>] **NIH**)

- **NIDDK Information Clearinghouses** and Health Information Center

[<https://www.niddk.nih.gov/health-information/community-health-outreach/information-clearinghouses>]

NIH (National Institute of Diabetes and Digestive and Kidney Diseases)

## Women

- **Diabetes** [<https://www.womenshealth.gov/a-z-topics/diabetes>] (Department of Health and Human Services, Office on Women's Health) Also in Spanish [<https://espanol.womenshealth.gov/a-z-topics/diabetes>]

## Older Adults

- **Diabetes** [<https://www.healthinaging.org/a-z-topic/diabetes>] (AGS Health in Aging Foundation)
- **Diabetes in Older People** [<https://www.nia.nih.gov/health/diabetes/diabetes-older-people>]  
NIH (National Institute on Aging)  
Also in Spanish [<https://www.nia.nih.gov/espanol/diabetes/diabetes-personas-mayores>]

<https://medlineplus.gov/diabetes.html>

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## Patient Handouts

Diabetes Type 1 Diabetes | Type 2 Diabetes | MedlinePlus

- **A1C test** [<https://medlineplus.gov/ency/article/003640.htm>] (Medical Encyclopedia)  
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/003640.htm>]
- **Blood sugar test** [<https://medlineplus.gov/ency/article/003482.htm>] (Medical Encyclopedia)  
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/003482.htm>]
- **Diabetes** [<https://medlineplus.gov/ency/article/001214.htm>] (Medical Encyclopedia)  
Also in Spanish [<https://medlineplus.gov/spanish/ency/article/001214.htm>]

- Diabetes - keeping active [<https://medlineplus.gov/ency/patientinstructions/000084.htm>] (**Medical Encyclopedia**) **Also in Spanish** [<https://medlineplus.gov/spanish/ency/patientinstructions/000084.htm>]

**Diabetes - when you are sick** [<https://medlineplus.gov/ency/patientinstructions/000079.htm>] (**Medical Encyclopedia**) **Also in Spanish** [<https://medlineplus.gov/spanish/ency/patientinstructions/000079.htm>]

**Diabetes and exercise** [<https://medlineplus.gov/ency/patientinstructions/000083.htm>]  
(**Medical Encyclopedia**) **Also in Spanish**  
[<https://medlineplus.gov/spanish/ency/patientinstructions/000083.htm>]

- **Diabetes myths and facts** [<https://medlineplus.gov/ency/patientinstructions/000964.htm>] (**Medical Encyclopedia**) **Also in Spanish** [<https://medlineplus.gov/spanish/ency/patientinstructions/000964.htm>]

- **Diabetes tests and checkups** [<https://medlineplus.gov/ency/patientinstructions/000082.htm>]  
(**Medical Encyclopedia**) **Also in Spanish** [<https://medlineplus.gov/spanish/ency/patientinstructions/000082.htm>]

**Giving an insulin injection** [<https://medlineplus.gov/ency/patientinstructions/000660.htm>]  
(**Medical Encyclopedia**) **Also in Spanish** [<https://medlineplus.gov/spanish/ency/patientinstructions/000660.htm>]

**High blood sugar - self-care** [<https://medlineplus.gov/ency/patientinstructions/000332.htm>]  
(**Medical Encyclopedia**) **Also in Spanish** [<https://medlineplus.gov/spanish/ency/patientinstructions/000332.htm>]

- **Low blood sugar - self-care** [<https://medlineplus.gov/ency/patientinstructions/000085.htm>] (**Medical Encyclopedia**) **Also in Spanish** [<https://medlineplus.gov/spanish/ency/patientinstructions/000085.htm>]

## MEDICAL ENCYCLOPEDIA

A1C test  
[<https://medlineplus.gov/ency/article/003640.htm>]

ACE blood **test** [<https://medlineplus.gov/ency/article/003567.htm>]

Anti-insulin antibody test

[<https://medlineplus.gov/ency/article/003375.htm>]

<https://medlineplus.gov/diabetes.htm>

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MedlinePlus

Blood sugar test

[<https://medlineplus.gov/ency/article/003482.htm>]

Diabetes

[<https://medlineplus.gov/ency/article/001214.htm>]

Diabetes - keeping active

[<https://medlineplus.gov/ency/patientinstructions/000084.htm>]

Diabetes - when you are sick

[<https://medlineplus.gov/ency/patientinstructions/000079.htm>]

Diabetes and exercise

[<https://medlineplus.gov/ency/patientinstructions/000083.htm>]

Diabetes myths and facts

[<https://medlineplus.gov/ency/patientinstructions/000964.htm>]

Diabetes tests and checkups

[<https://medlineplus.gov/ency/patientinstructions/000082.htm>]

Giving an insulin injection

[<https://medlineplus.gov/ency/patientinstructions/000660.htm>]

Glucose tolerance test - non-pregnant

[<https://medlineplus.gov/ency/article/003466.htm>]

Glucose urine test

[<https://medlineplus.gov/ency/article/003581.htm>]

High blood sugar - self-care

[<https://medlineplus.gov/ency/patientinstructions/000332.htm>]

Immunizations for people with diabetes

[<https://medlineplus.gov/ency/patientinstructions/000331.htm>]

Insulin C-peptide test

[<https://medlineplus.gov/ency/article/003701.htm>]

Ketones blood test

[<https://medlineplus.gov/ency/article/003498.htm>]

**Ketones urine** test [<https://medlineplus.gov/ency/article/003585.htm>]

**Lactic acidosis**

[<https://medlineplus.gov/ency/article/000391.htm>]

**Low blood sugar - self-care**

[<https://medlineplus.gov/ency/patientinstructions/000085.htm>]

Preparing for surgery when you have diabetes [<https://medlineplus.gov/ency/patientinstructions/000702.htm>]

## Related Health Topics

A1C

[<https://medlineplus.gov/a1c.html>]

Blood **Glucose**

[<https://medlineplus.gov/bloodglucose.html>]

Diabetes and **Pregnancy** [<https://medlineplus.gov/diabetesandpregnancy.html>]

Diabetes **Complications**

[<https://medlineplus.gov/diabetescomplications.html>]

**Diabetes** in Children and Teens [<https://medlineplus.gov/diabetesinchildrenandteens.html>]

**Diabetes Medicines**

[<https://medlineplus.gov/diabetesmedicines.html>]

Diabetes **Type 1**

[<https://medlineplus.gov/diabetestype1.html>]

Diabetes **Type 2**

[<https://medlineplus.gov/diabetestype2.html>]

Diabetic Diet

[<https://medlineplus.gov/diabeticdiet.html>]

Diabetic Eye Problems

[<https://medlineplus.gov/diabeticeyeproblems.html>]

Diabetic Foot [<https://medlineplus.gov/diabeticfoot.html>]

**Diabetic** Heart Disease

[<https://medlineplus.gov/diabeticheartdisease.html>]

Diabetic **Kidney** Problems

[\[https://medlineplus.gov/diabetickidneyproblems.html\]](https://medlineplus.gov/diabetickidneyproblems.html)

<https://medlineplus.gov/diabetes.html>

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**Diabetic** Nerve Problems [<https://medlineplus.gov/diabetichnerveproblems.html>]

**Hyperglycemia**  
[<https://medlineplus.gov/hyperglycemia.html>]

Hypoglycemia  
[<https://medlineplus.gov/hypoglycemia.html>]

**Islet** Cell Transplantation  
[<https://medlineplus.gov/isletcelltransplantation.html>]

**Pancreas** Transplantation [<https://medlineplus.gov/pancreastransplantation.html>]

Prediabetes  
[<https://medlineplus.gov/prediabetes.html>]

#### National Institutes of Health

The primary NIH organization for research on **Diabetes** is the National Institute of Diabetes and Digestive and Kidney Diseases [<https://www.niddk.nih.gov>]

#### Other Languages

Find health information in languages other than **English** [<https://medlineplus.gov/languages/diabetes.html>] on *Diabetes*

#### NIH MedlinePlus Magazine

**Diabetes: What** You Need to Know [<https://magazine.medlineplus.gov/article/diabetes-what-you-need-to-know>]

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[<https://medlineplus.gov/criteria.html>] .

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**National Institutes of Health**

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