

# diabetes and you

your guide to better  
living with diabetes



**This booklet belongs to:**

|         |        |     |
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| Name    |        |     |
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If this booklet is found, please contact the owner listed above. Thank you!

**Favorably reviewed by:**



These Novo Nordisk patient education materials were developed using information from the following sources: American Association of Diabetes Educators, American Diabetes Association, and American Dietetic Association. These booklets do not replace the advice of your diabetes care team. Be sure to consult your diabetes care team regarding your individual diabetes care plan.

Quotes reflect the opinions of the people quoted and not necessarily those of Novo Nordisk. Novo Nordisk does not verify the information in the quotes. Individual results may vary.

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## Time to take charge!

If you have diabetes, you are not alone. Millions of people today have diabetes. Diabetes cannot yet be cured. But it *can* be managed. This booklet will give you some tips to help you manage your diabetes.

To learn more about how you can take an active role in your diabetes care, visit [Cornerstones4Care.com](https://www.cornerstones4care.com). You'll find all sorts of resources to help you take charge!

### How can you take charge of your health?

#### Learn as much as you can.

When it comes to diabetes, knowledge really is power. The more you know about diabetes, the better you'll be able to manage it. This booklet will get you started. You can learn more at [Cornerstones4Care.com](https://www.cornerstones4care.com).

#### Work with your team.

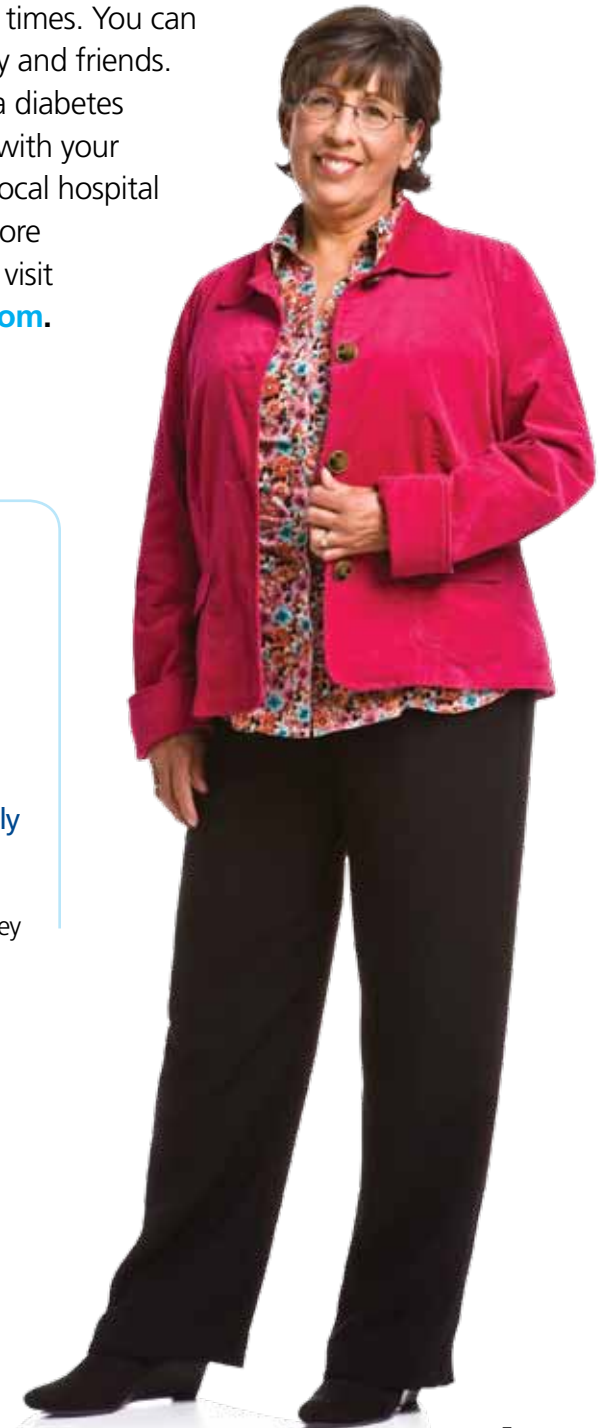
Good diabetes care takes a team. Your doctor, nurse, diabetes educator, dietitian, and others are all members of your team. And then, of course, there's you. You are the most important member of your team. Your fellow team members are experts on diabetes. But you are the expert on how you feel with diabetes. All of your team members have the same goal: to help you manage your diabetes.

### Get support to stay strong!

We all need support at times. You can get support from family and friends. You can also find it at a diabetes support group. Check with your diabetes care team or local hospital to find one. To learn more about getting support, visit [Cornerstones4Care.com](https://www.cornerstones4care.com).

"It took me years  
to wrap my brain  
around the fact  
that I had a chronic  
condition that  
needed to be actively  
managed by me."

— TJ C, New Jersey

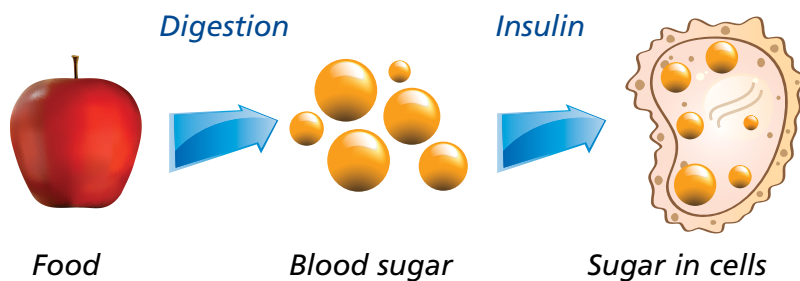


# Diabetes: what it is and why it happens

## Hormones, sugar, and your cells

When you eat, some of your food is broken down into sugar (also called *glucose*). Sugar travels in your blood to all your body's cells. Insulin helps sugar move from your blood into your cells. Insulin is a hormone that is made by the beta cells in your pancreas.

Your cells need sugar for energy. Sugar from food makes your blood sugar level go up. Insulin lowers your blood sugar level by helping sugar move from your blood into your cells.



When you eat, another hormone made in the gut helps the pancreas release the right amount of insulin to move sugar from the blood into the cells. This hormone is called *GLP-1*. It stimulates the beta cells in the pancreas to release insulin when the blood sugar is too high. It also helps to lower the amount of sugar made by the liver.

There is also a third hormone called *glucagon* that tells the liver to release stored sugar if your blood sugar gets too low or if you have not eaten for many hours, such as overnight.

## What happens in diabetes?

When you have diabetes:

- Your pancreas makes little or no insulin, or
- Your body prevents the insulin you do make from working right

As a result, sugar can't get into your cells. So it stays in your blood. That's why your blood sugar gets too high (also called *hyperglycemia*).

There are four ways doctors can tell if you have diabetes:

1. Your A1C is 6.5% or higher
2. Your fasting blood sugar level is 126 mg/dL or higher. Fasting blood sugar levels means no food for at least 8 hours prior to checking your blood sugar
3. The result of your oral glucose tolerance test is 200 mg/dL or higher
4. You have symptoms of high or low blood sugar, and a blood test taken at a random time shows a blood sugar level of 200 mg/dL or higher

**"We are not alone. We are part of a family where there are others in the same boat. So let's row together. That way, we will get there together."**

— Nancy F, Kansas

## Some myths about diabetes – and the facts

Not everything you hear about diabetes is true. Here are some myths you may hear – and the facts you should know.

**Myth 1:** “Diabetes is a one-way street to bad health problems.”

**Fact:** You can go in another direction! If you follow your diabetes care plan, you can often delay or prevent problems from diabetes.

**Myth 2:** “It’s your own fault that you have diabetes.”

**Fact:** Diabetes isn’t anyone’s fault. No one knows what causes diabetes. Your eating and activity choices can play a role in your blood sugar control. But it’s not the whole story.

**Myth 3:** “I have to take insulin. My diabetes must be really bad.”

**Fact:** Not true! Everyone with type 1 diabetes needs to take insulin. And many people with type 2 diabetes will in time need to take insulin. That’s because after a while the beta cells in the pancreas make less and less insulin. Since many pills work to help the pancreas release more insulin, as diabetes changes these pills simply may not work anymore.

“I have been a diabetic for the last 38 years. I started with oral medication and progressed to insulin. I have been on insulin for the last 28 years. Together with healthy foods and portion control, I can manage my blood sugar.”

– Bill B, California

You won’t believe diabetes myths when you learn the facts at [Cornerstones4Care.com](http://Cornerstones4Care.com). You can also join a **free** program to help you manage your diabetes. See the back cover of this booklet to find out how.



## The types of diabetes

The most common types of diabetes are type 1 and type 2.

In **type 1 diabetes**, the body makes little or no insulin. So people with type 1 diabetes must take insulin every day. Type 1 diabetes usually occurs in children and young adults, but it can also appear in older adults.

In **type 2 diabetes**, your body prevents the insulin it does make from working right. Your body may make some insulin but not enough. Most people with diabetes – about 90% to 95% – have type 2. This kind of diabetes usually happens in people who are older or in those who are overweight. In fact, about 8 out of 10 people with type 2 diabetes are overweight.

Find out more about the types of diabetes at [Cornerstones4Care.com](http://Cornerstones4Care.com).

*"My mother had diabetes. I found out this year that I had diabetes, too. Taking a positive outlook on diabetes helped me. I am still working on it."*

– Judy B, Ohio

## Risk factors for type 2 diabetes

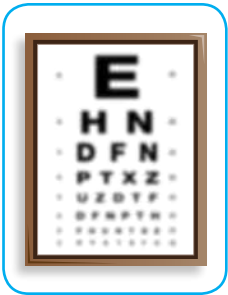


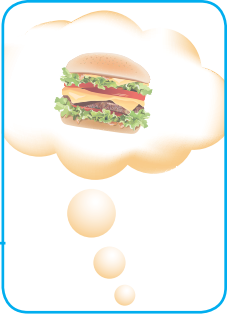
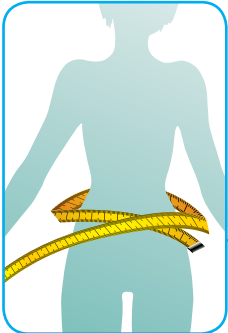
No one knows exactly what causes diabetes. But scientists are working hard to find out what's behind it. We do know that some things, called *risk factors*, increase your risk of having type 2 diabetes. Some risk factors for type 2 diabetes include:

- Being over 45 years of age
- Being physically inactive
- Being overweight
- Having high blood pressure
- Having diabetes in the family
- Being a member of certain ethnic groups (for example, African American or Hispanic)
- Having had diabetes during a pregnancy, or giving birth to a baby who weighed more than 9 pounds



## What are the signs and symptoms of diabetes?

Some common signs and symptoms of diabetes are:



- Urinating often
- Being thirsty more often than usual
- Being hungry more often than usual
- Unusual weight loss
- Tired more often than usual
- Irritability
- Blurry vision
- Problems with sex
- Wounds that won't heal
- Numb or tingling hands or feet

Sometimes people experience other diabetes symptoms. And some people may have no symptoms at all. You can find out more about the signs and symptoms of diabetes at [Cornerstones4Care.com](https://www.cornerstones4care.com).

## How is diabetes managed?

Your diabetes care team will work with you to make your diabetes care plan. Your plan will try to match your likes and dislikes and your blood sugar goals.

A typical diabetes care plan includes:

- A meal plan
- A physical activity plan
- A plan for how and when to check your blood sugar
- Your personal blood sugar goals
- When to take your diabetes medicines
- Other health goals (such as managing your weight and blood pressure)
- A schedule for regular health checkups
- Ways to deal with stress

As part of your care plan, be sure to keep track of your ABCs:

- **A**1C
- **B**lood pressure
- **C**holesterol

To make a personalized care plan, complete with your own daily and long-term goals, visit [Cornerstones4Care.com](https://www.cornerstones4care.com).

*"It's hard to accept even after 2 years that I have to get busy. I have to quit ignoring I have this and deal with it."*

— Melody A, Texas

## Type 2 diabetes and medicines



Many people with type 2 diabetes follow meal and physical activity plans to help manage their blood sugar. Type 2 diabetes is affected by what you eat, how much you eat, how active you are, and how you deal with stress.

But following your meal plan and staying active often are not enough to keep your blood sugar in check. Medicine is almost always necessary. If your blood sugar levels are above your recommended goal range or your A1C is higher than desired with meal planning and physical activity alone, then you might need medicine for your diabetes.

“Changing your eating habits and eating on time in addition to taking your medications are a plus. It’s also important to exercise. Also, remember to test your blood sugar before and after meals to give you an idea of what your blood sugars are before and after meals and after exercising. You will find after a while that doing these things may help you manage your blood sugar.”

— Karen M, Illinois



It is now clear that type 2 diabetes changes over time:

- The beta cells stop working and start to die off. Many people with type 2 diabetes have already lost half of their beta cell function by the time their diabetes is diagnosed
- As the number of beta cells goes down, the pancreas makes less and less insulin

As a result, your treatment may also change over time.

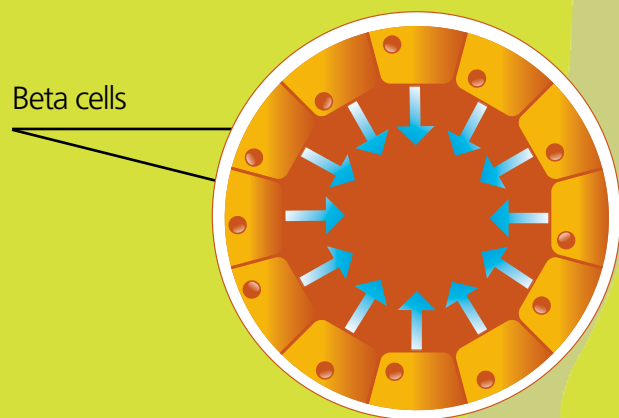
There are many types of effective medicines to treat diabetes. The main types of diabetes medicines are:

- Pills taken by mouth
- Medicines taken by injections

Talk with your diabetes care team to find out which diabetes medicine is right for you. You can learn more about diabetes medicines at [Cornerstones4Care.com](https://www.cornerstones4care.com).

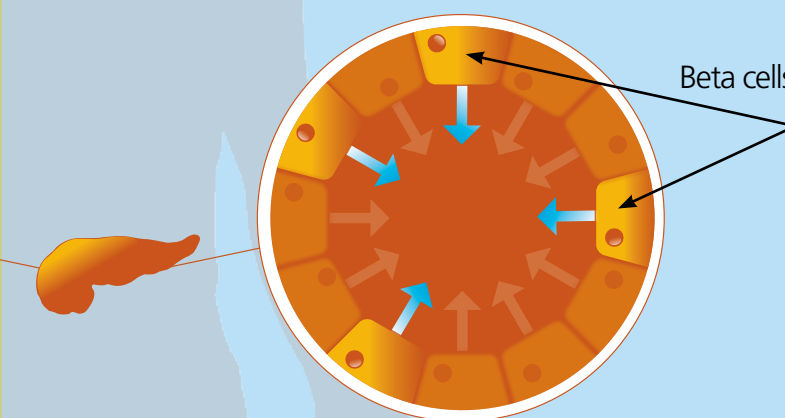
## Without diabetes

**In people without diabetes, beta cells in the pancreas make and release insulin to keep blood sugar levels normal.**



## With diabetes

**In people with diabetes, the beta cells may stop working and may make too little insulin. Or they may make enough insulin, but the body resists it. That prevents it from working to lower blood sugar.**



## Diabetes pills (OADs)

There are many types of diabetes pills. These pills are also called *oral antidiabetic drugs*, or *OADs* for short. Diabetes pills work best when you also follow a meal plan and take part in regular physical activity. For a certain period of time, pills may help manage blood sugar for people with type 2 diabetes. They work in different ways to lower blood sugar levels. Each medicine works in one or more of the following ways:

- Some pills help the body release more insulin
- Some pills lower the amount of sugar the liver releases
- Some pills help insulin work better in muscle and fat
- Some pills slow the breakdown of food into sugar

Depending on your treatment needs, you may need to take more than one of these medicines to control your diabetes as it progresses. The different types of medicines can work together to help lower blood sugar levels.

Diabetes pills do not work for everyone. Sometimes they do not bring blood sugar levels down low enough. Or they sometimes stop working after a few months or years. This may happen because of the loss of beta cells over time in people with type 2 diabetes.

If your diabetes pills stop working, it does not mean you have failed to control your diabetes. It simply means that your body has changed and needs a different type of treatment.

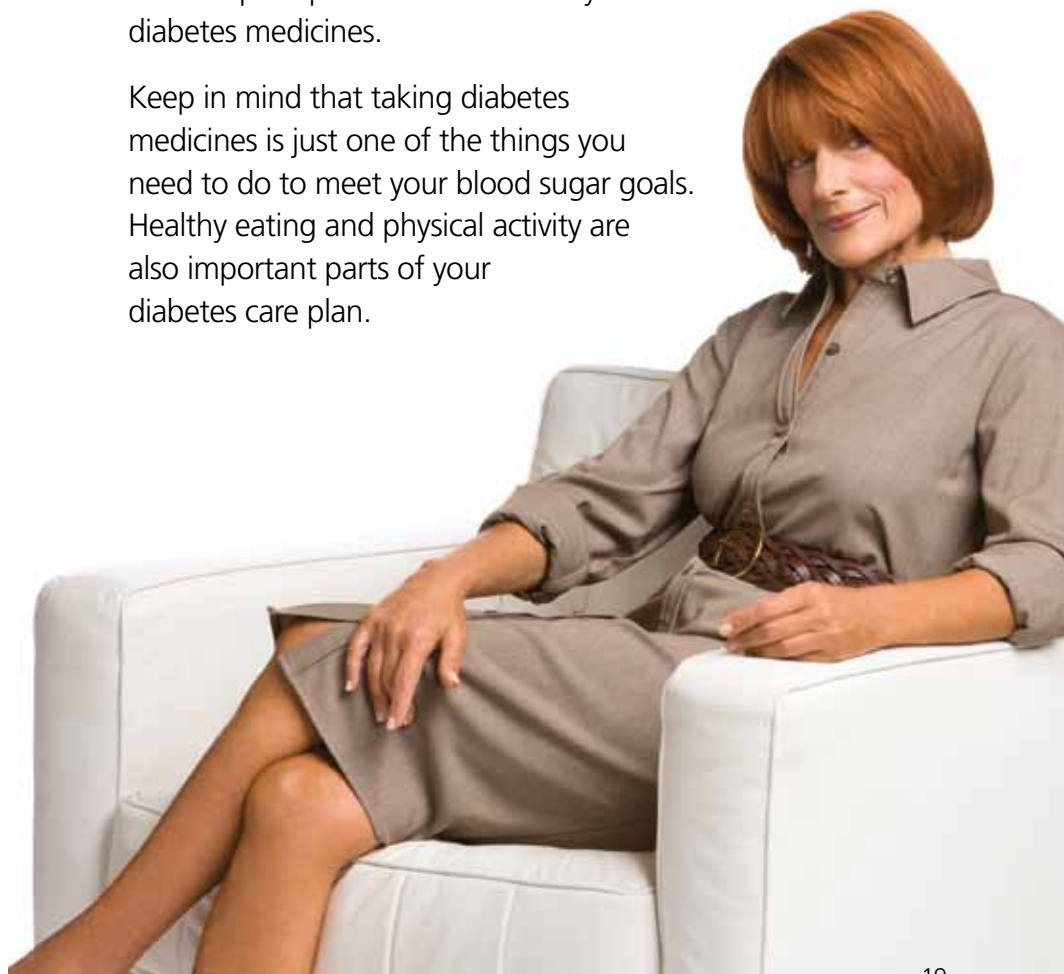
Please visit [Cornerstones4Care.com](https://www.cornerstones4care.com) to learn more about diabetes pills. Or ask your diabetes care team for a copy of the Novo Nordisk booklet *Diabetes Medicines*.

## Injectable diabetes medicines

In addition to diabetes pills, there are diabetes medicines that are taken by injection. Some of these are non-insulin injectable medicines, and some are insulin.

Some people worry that injections might be painful. But the needles used today are very small. Prefilled disposable pens can be used to inject those medicines. Prefilled pens provide a discreet way to take diabetes medicines.

Keep in mind that taking diabetes medicines is just one of the things you need to do to meet your blood sugar goals. Healthy eating and physical activity are also important parts of your diabetes care plan.



## Non-insulin injectable medicines

Non-insulin injectable medicines for people with type 2 diabetes:

- Are taken by using a special prefilled pen
- May be taken once a day, twice a day, or before each meal (depending on the medicine)

Non-insulin injectable medicines work in one or more of the following ways:

- By acting like the hormone GLP-1. This helps manage blood sugar by helping beta cells release more insulin when blood sugar is high. The increased insulin lowers blood sugar levels
- By acting like natural amylin, a hormone that works with insulin to manage blood sugar
- By stopping the liver from releasing sugar into the blood when it is not needed
- By slowing the movement of food through the stomach so sugar enters the blood more slowly

Talk with your diabetes care team about your treatment needs to ensure that you are taking the medicine that's right for you.

**"Don't go off your meds and don't give up. Many pharmacies and prescription companies have programs to help you out. Do whatever it takes."**

— Ruth W, Florida

## How do diabetes pills and non-insulin medicines taken by injection work to control blood sugar?

Make muscle cells more sensitive to insulin

Keep the liver from making too much sugar

Help decrease how much food you want to eat by making you feel full

Slow down digestion of food so after-meal blood sugar levels don't go so high

Help the pancreas release more insulin

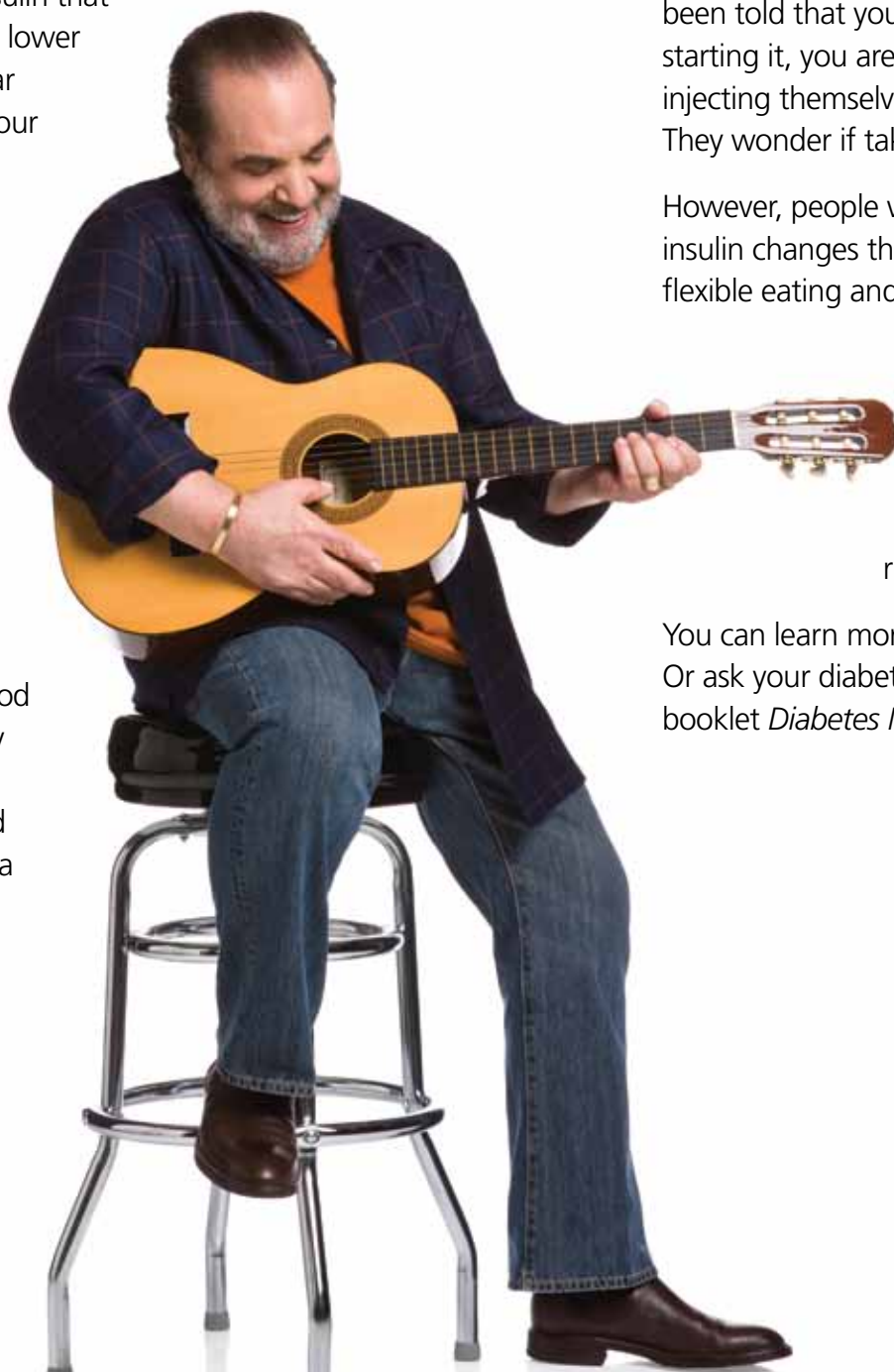
**"The only thing that got me through the anger was my belief in medicine. Every day they are making great steps to helping us with diabetes."**

— Chris M, Georgia

## Insulin

Injected insulin is like the insulin that the body makes. It works to lower blood sugar by helping sugar move from the blood into your cells.

Everyone with type 1 diabetes needs to take insulin. In people with type 1 diabetes, the beta cells in the pancreas stop making insulin. People with type 1 diabetes need to take insulin to control blood sugar. The amount of insulin taken must be balanced with how much food they eat and how active they are. Healthy eating, physical activity, managing stress, and insulin are the main parts of a diabetes care plan for type 1 diabetes and often for type 2 diabetes.



In type 2 diabetes, many people find that as their beta cells stop working over time, they need to take insulin. If you have been told that you could benefit from insulin but have delayed starting it, you are not alone. Many people worry about injecting themselves. They wonder if insulin has side effects. They wonder if taking insulin will interfere with their lives.

However, people with type 2 diabetes often find that starting insulin changes their lives. They may find that they have more flexible eating and activity schedules.

Today, there are many insulin products and insulin devices available to treat all stages of type 2 diabetes. You and your diabetes care team can work together to find the diabetes products that are right for you.

You can learn more about insulin at [Cornerstones4Care.com](https://www.cornerstones4care.com). Or ask your diabetes care team for a copy of the Novo Nordisk booklet *Diabetes Medicines*.

**“Yes, I too was frightened to death by giving myself an injection. I am now giving myself injections. We can do what becomes necessary.”**

— Kaye D, Kentucky

## Your diabetes meal plan

Eating healthy is important for everyone, but it's even more important for people with diabetes.

To manage your diabetes, you'll want to:

- Eat meals and snacks at regular times each day
- Match how much you eat with your activity level
- Learn to count carbohydrates

You don't need to ban any foods from your meal plan, but you may need to limit the amounts you eat or how often you eat some of them.

Your meal plan should:

- Include a wide variety of foods so that you get needed nutrients (the healthy things in food)
- Include many of your favorite foods so that you enjoy what you eat
- Be easy to follow

The goals of your meal plan are to help you:

- Keep your blood sugar within your goal range
- Manage your weight
- Manage your blood cholesterol and blood fat levels
- Manage your blood pressure

Making your plan is a snap with the handy menu planner you'll find at [Cornerstones4Care.com](https://www.cornerstones4care.com). Designed to take the guesswork out of meal planning, it lets you plan a week's menu with foods you like. You can print recipes and a grocery list to make meal planning even easier.

### Guide to healthy eating

Healthy eating means choosing the right amounts of healthy foods every day. The American Diabetes Association (ADA) recommends that you:

- Choose fruits, vegetables, whole grains, legumes, and low-fat milk more often than sugary foods when choosing carbohydrate-rich foods
- Eat fiber-rich foods
- Keep saturated fats to less than 7% of total daily calories
- Eat at least 2 servings of non-fried fish per week
- Limit *trans* fats
- Restrict cholesterol intake to less than 200 mg/day
- Reduce sodium intake to about 1,500 mg/day or less



Making changes in the way you eat will take time. But the benefits are well worth it. Here are some steps to help:

- **Start small.** Make one or two changes in your meal plan. Then add another change
- **Get support.** Your meal plan is a healthy way for anyone to eat. So see if you can get others in your family to join you

Learn more about getting past barriers to healthy eating at [Cornerstones4Care.com](http://Cornerstones4Care.com).

"I count carbs and calories. I am lucky that I have a great support team, and with their help, I know I can make it."

— Patt B, Florida

"My doctor persuaded me to seek some education. I went to weekly support meetings, diabetes classes, nutrition classes, the works!"

— Ann P, Massachusetts

## Knowing your nutrients and keeping track of your carbs

The foods you eat provide the nutrients your body needs to stay healthy. Each type of food has a different job to do in your body.

### Carbohydrates ("carbs")

- Are the main kind of food that raises blood sugar levels. That's why it's important to be aware of the amount of carbohydrates you eat
- Simple carbohydrates, or sugar, will begin to raise blood sugar very soon after you eat them
- Complex carbohydrates, or starchy foods, take longer for the body to change into sugar but will eventually be changed completely to sugar



### Protein

Protein helps to build and repair your body tissues. Protein-rich foods include:

- Meat
- Poultry
- Fish
- Dairy products
- Eggs



## Fat

- Different kinds of fat make up the rest of your meal plan
- *Monounsaturated fat* includes fats such as canola and olive oils
- *Polyunsaturated fats* are found in corn and safflower oils
- *Saturated fat* is usually solid at room temperature and is found mostly in animal products, such as butter and meat, but also in tropical oils, such as coconut and palm kernel oil. Less than 7% of your total daily calories should come from saturated fat



Ask your diabetes care team for the Novo Nordisk booklet *Carb Counting and Meal Planning*. It will help you learn to count carbs, figure out portion sizes, and read food labels.

Use the food look-up tool at [Cornerstones4Care.com](https://www.cornerstones4care.com) to see what nutrients are in the foods you choose.



**"I, too, have been recently diagnosed with type 2 diabetes. I view this diagnosis as having an upside. I am now exercising more and eating better."**

— Richard C, Louisiana

## Your physical activity plan

Physical activity is important to your health and blood sugar control. Even a small increase in activity can make a big difference. Your activity plan and your meal plan work together.

Being active can help to:

- Lower your blood sugar
- Reduce your need for many diabetes medicines or help your body use insulin better
- Improve your heart health
- Manage your weight

If that isn't enough, being active can also:

- Strengthen your bones and muscles
- Give you energy
- Relieve stress
- Improve how you look and feel

Talk with your diabetes care team about how your physical activity, your eating plan, and your medicines work together to help you manage your diabetes.

**"I began by simply walking around the block slowly every evening after supper. It took a lot of discipline just to do that! But I persisted. Then, every 3 weeks, I added another block until before I knew it, I was walking a mile every night."**

— Jerry F, Texas

## Three steps to starting your activity program

### Step 1: Talk with your doctor before you start

Let your doctor know that you'd like to become more active. Talk about what kind of activity is best for you.

### Step 2: Choose your activity

Choose an activity that you enjoy. Just about anything that gets you moving is good. Maybe you'd enjoy one of these activities:

- Walking
- Jogging
- Bicycling
- Swimming
- Dancing

### Step 3: Set a goal

Health experts recommend being active for at least 30 minutes, 5 days a week, to maintain your current weight, and 45 minutes if your goal is to lose weight. Talk with your diabetes care team to find a goal that's right for you.



## Staying safe while being active

You can stay active when you have diabetes. Just follow these few simple tips:

- Check your blood sugar before and after your activity
- Bring a fast-acting carb snack with you in case your blood sugar drops too low (see page 39 of this booklet for snack ideas)
- Don't exercise if you're not feeling well
- Wear a medical identification bracelet or necklace
- Protect your feet. Check inside your shoes and socks for anything that might injure your feet. Wear comfortable shoes and socks that fit well. Examine your feet after being physically active. Notify your diabetes care team right away if you injure your feet



Having trouble getting started? Finding it hard to stay with your plan? Visit [Cornerstones4Care.com](https://www.cornerstones4care.com) to overcome barriers to being active.

**“What I did was find an exercise buddy  
– and not just a person, her dog too!  
If we ‘poop out,’ we’ve got those big  
doggie eyes to make us feel really  
guilty about it!”**

– CJ B, Alabama

## Tests and checkups

It's important to have regular checkups with your diabetes care team. Talk with your team about what schedule is best for you. On page 50, you'll find a suggested schedule for health tests. You can tear it out and save it as a handy reminder of which tests you need to have and when. Keep it in your wallet or post it on your refrigerator. Check off each test after you have it.

For help keeping track of your tests and results, ask your diabetes care team for the Novo Nordisk booklet *Your Guide to Better Office Visits*.



**"I have been a diabetes educator for almost 20 years, and it has been a delight helping people learn about what they can do. Our practice doesn't tell people what they cannot do, as many people might think. We are in the business of helping people learn what they *can* do. And that is pretty much anything they want to do, when they know how."**

— Mary Ellen S, South Carolina

## Checking your blood sugar

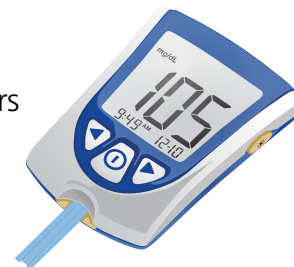
Checking your blood sugar yourself is often the best way to be sure your diabetes is under control. Checking often will tell you:

- If your insulin or other diabetes medicine is working
- How physical activity, the foods you eat, or stress affect your blood sugar

You'll usually feel better and have more energy when your blood sugar stays at or near normal. Managing your blood sugar can also reduce your risk of developing problems from diabetes.

### How to check your blood sugar

Many different kinds of blood sugar meters are available today. Your diabetes care team can help you choose a meter and show you how to use it.



### When to check your blood sugar

You and your diabetes care team will decide when and how often you should check your blood sugar. Here are some times when you may want to check:

- At bedtime and when you wake up, to see if your blood sugar is staying under control while you're asleep
- Before meals or large snacks, to know what your blood sugar is before you eat
- 1 to 2 hours after meals, to see how the food you eat affects your blood sugar
- Before and within minutes after physical activity, to see how being active affects your blood sugar

It's important to write down your blood sugar levels so that you can keep track of what makes them go up or down. Ask your diabetes care team for a copy of the Novo Nordisk booklet *Your Guide to Better Office Visits*. Or visit [Cornerstones4Care.com](https://www.cornerstones4care.com) to find both downloadable and interactive blood sugar diaries.

### Setting your blood sugar goals

The table below lists blood sugar goals for people with diabetes. You and your diabetes care team will set the goals that are right for you. Write your goals in the last column.

For tips to help you make checking your blood sugar a part of your life, visit [Cornerstones4Care.com](https://www.cornerstones4care.com).

| Time                                   | Goals for people with diabetes | Your goals |
|----------------------------------------|--------------------------------|------------|
| Before meals                           | 70 to 130 mg/dL                | _____      |
| 1 to 2 hours after the start of a meal | Less than 180 mg/dL            | _____      |
| A1C                                    | Less than 7%                   | _____      |

Adapted from the American Diabetes Association. Standards of medical care in diabetes – 2011. *Diabetes Care*. 2011;34(suppl 1):S11-S61.

**"Testing and journaling may help improve anyone's numbers."**

– Thelma M, New Mexico

### Knowing your A1C

The A1C test measures your estimated average blood sugar level over the past 2 to 3 months. It's like a "memory" of your blood sugar levels. It shows how well you're controlling your blood sugar levels over time. Your A1C and your blood sugar levels go up and down together. Here is how they go together:

| A1C levels | Average blood sugar |
|------------|---------------------|
| 6%         | 126 mg/dL           |
| 7%         | 154 mg/dL           |
| 8%         | 183 mg/dL           |
| 9%         | 212 mg/dL           |
| 10%        | 240 mg/dL           |
| 11%        | 269 mg/dL           |
| 12%        | 298 mg/dL           |

Adapted from the American Diabetes Association. Standards of medical care in diabetes – 2011. *Diabetes Care*. 2011;34(suppl 1):S11-S61.

Talk with your diabetes care team about your A1C goal and write it in the box on page 34.

It is recommended that you get an A1C test:

- At least 2 times a year if your blood sugar is under good control
- 4 times a year if you're not meeting your goals or if your treatment has changed

You can learn more about the importance of knowing your A1C at [Cornerstones4Care.com](https://www.cornerstones4care.com).

## Managing changes in your blood sugar

As part of your diabetes care plan, it's important to know what to do if your blood sugar goes too high or too low. Blood sugar that's too high or too low can cause symptoms that can be mistaken for other problems. That's why it's important for you to always wear your medical ID. The ID should show that you have diabetes and should tell others what you might need in an emergency.

### Knowing when your blood sugar is high

High blood sugar (also called *hyperglycemia*) is when there is too much sugar in your blood.

Over time, it can cause serious health problems. High blood sugar can happen if you:

- Skip a dose of insulin or diabetes pills
- Eat more than usual
- Are less active than usual
- Are under stress or are sick

If your blood sugar is too high, you may:

- Feel very thirsty or hungry
- Need to pass urine more than usual
- Feel like your mouth and skin are dry
- Have blurry vision
- Feel sleepy
- Notice that infections or injuries you have heal more slowly than usual

### High blood sugar and DKA

High blood sugar can lead to diabetic ketoacidosis, or DKA. DKA is a buildup of ketones in the blood. Ketones are produced when the body uses fat for energy instead of sugar. This can happen when you don't have enough insulin and sugar is not getting into your cells to be used for energy.

DKA is mainly a problem for people with type 1 diabetes. Regular checks of your urine or blood for ketones can help prevent this serious problem. Ketones in your urine or blood are a sign that your insulin level is too low.

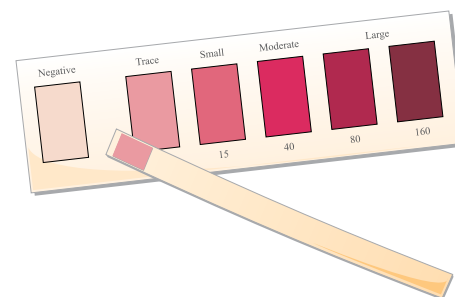
### What to do about high blood sugar

If you have signs or symptoms of high blood sugar, check your blood sugar level. Check your ketones too. If your blood sugar is high and you don't have ketones, you can help lower your blood sugar if you:

- Follow your meal plan
- Do some physical activity (follow your physical activity plan)
- Take your medicine as directed

Call your diabetes care team if:

- Your blood sugar level has been above your goal for 3 days and you don't know why
- You have ketones



## Recognizing low blood sugar

You might get low blood sugar (also called *hypoglycemia*) if you:

- Take certain medicines and eat too few carbohydrates, or skip or delay a meal
- Take too much insulin or diabetes pills (Ask your diabetes care team if this applies to you)
- Are more active than usual

When your blood sugar gets too low, you may feel:

- Weak or tired
- Hungry
- Dizzy or shaky
- Nervous or upset
- Sweaty
- Like your heart is beating too fast
- Like your vision is blurry



## What to do about low blood sugar

Ask your diabetes care team what low blood sugar is for you. For most people, it is 70 mg/dL or lower.

Check your blood sugar right away if you have any symptoms of low blood sugar. If you think your blood sugar is low but you cannot check it at that time, eat or drink something high in sugar right away, such as:

- 4 ounces (½ cup) of regular fruit juice (like orange, apple, or grape juice)
- 4 ounces (½ cup) of regular soda pop (not diet)
- 3 or 4 glucose tablets
- 5 to 6 hard candies that you can chew quickly (such as mints)



Wait 15 minutes and then check your blood sugar again. If it is still low, eat or drink something high in sugar again. Once your blood sugar returns to normal, eat a meal or snack. This can help keep low blood sugar from coming back.

**“Think of your body as the engine in a car. It can’t run too high or too low to operate properly.”**

– Deborah C, Florida

Always check with your diabetes care team about how to treat your low blood sugar. Tell your diabetes care team if you often have low blood sugar. You and your team may need to change your diabetes care plan.

Some people may not feel any signs or symptoms of low blood sugar before they have a problem. This is another reason that frequent blood sugar checking is important.

### Untreated low blood sugar can become severe and cause you to pass out

Ask your diabetes care team if a glucagon emergency kit may be right for you. Keep the kit handy, and be sure that your loved ones and co-workers know how to use it in an emergency.

To learn more about the Novo Nordisk glucagon emergency kit, visit [Cornerstones4Care.com](https://www.cornerstones4care.com).



## Coping with diabetes

It is not easy to cope with diabetes. But there are three key factors that can help:

- **Knowledge.** Try to learn all you can about diabetes. Find out what you can do on a daily basis to manage it for the rest of your life
- **Skill.** There's a difference between knowing what to do and being able to do it. Developing good coping and self-care skills helps you take your knowledge and put it to good use. Give yourself time to learn these new skills
- **Support.** Most people find it easier to deal with the challenges of coping with diabetes when they have the support of family, friends, and members of their diabetes care team

"I just keep reminding myself I can keep up with my success, even if I have a day when I fail. There's always a better day coming up."

— Joy K, Washington

## Coping with changes in your diabetes care plan

Change is part of life when you have diabetes. Usually, the changes are small. But at some point you may need to make a major change in your diabetes care plan. For example, you may need to advance from diabetes pills to an injected medicine. Here are some tips that may help you cope with changes in your care plan.

- Accept that change is part of life, especially life with diabetes. Sometimes just realizing this fact can help you accept and deal with change in a positive way
- When more medicine is needed, you may benefit from making greater efforts to get back on track with your diabetes care plan. You may want to look at your activity level and eating habits. Remember, set small, realistic goals to help you get back on track. Talk with your diabetes care team about your blood sugar goals. Don't forget to reward yourself when you do achieve a goal, or even just for the effort you made toward achieving it
- Join a diabetes support group. Change is usually easier to manage when you know you're not alone. Your diabetes care team may be able to recommend a local support group. Or you can call your local American Diabetes Association

For more tips on coping with your diabetes, visit [Cornerstones4Care.com](https://www.cornerstones4care.com).

## Coping with diabetes burnout

Managing your diabetes day to day is very important. But having to pay attention to the many details of diabetes management every day is not always easy. Many people who have had diabetes for a long time have a condition called *diabetes burnout*.

You may have diabetes burnout if:

- You're feeling burdened by diabetes
- You're angry and filled with negative feelings
- You feel that diabetes controls your life
- You're thinking of quitting your diabetes care

Diabetes burnout:

- Is very common among people who have diabetes
- Reduces your energy and interest in taking care of yourself
- Can be defeated

**"Some days I get knocked down, but every single time I get up because I know tomorrow is another day."**

– Nulcia M, Virgin Islands

You may need professional help to overcome your feelings of diabetes burnout. Talk with your diabetes care team about how you are feeling. They can refer you to other specialists as needed.

To learn more about coping with diabetes burnout, visit [Cornerstones4Care.com](https://www.cornerstones4care.com).

## Depression and diabetes

Diabetes-related health problems sometimes happen when you do not follow your diabetes care plan closely enough. But they may also occur even if you do follow your plan. So it's important to deal with any guilt or depression you may be feeling in a positive way.

Depression is common among people who have diabetes, but most kinds of depression respond well to treatment. The following tips may help you cope with your feelings:

- If your “blue” moods don’t go away and are affecting your ability to take care of your diabetes, get help. Depression is real and needs treatment. Treatment can consist of medicine, counseling, or a combination of both
- Start taking action to manage your health in positive ways. Feelings of depression are often linked to feeling powerless. Following a healthy meal plan, being more active, and engaging in stress-relieving activities are steps that can help
- Work even harder to keep your blood sugar levels as close to normal as possible. High blood sugar levels can lead to mood changes that might result in depression

You can learn more about dealing with depression at [Cornerstones4Care.com](http://Cornerstones4Care.com).

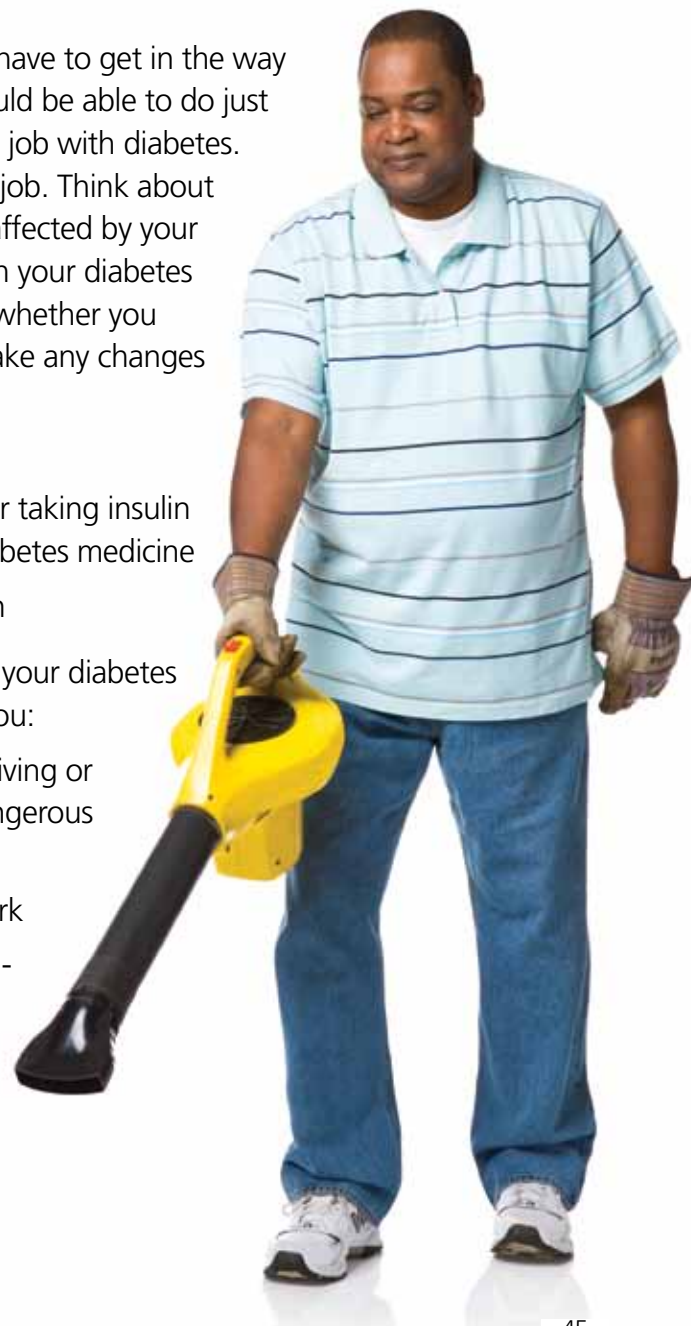
## Diabetes at work

Diabetes doesn’t have to get in the way of work. You should be able to do just about any kind of job with diabetes. Think about your job. Think about how it might be affected by your diabetes. Talk with your diabetes care team about whether you might need to make any changes in your:

- Meal plan
- Schedule for taking insulin or other diabetes medicine
- Activity plan

Be sure to tell your diabetes care team if you:

- Drive for a living or operate dangerous equipment
- Do shift work
- Have a high-stress job



## Traveling with diabetes

If travel is a part of your life, diabetes doesn't have to tie you down! With a little planning, travel can be more manageable. Here are a few things to include in your plans before you leave:

- Visit your diabetes care team and ask for extra prescriptions in case you need medicine or supplies while you're gone
- When flying, always carry diabetes medicines, insulin, and testing supplies with you. **Do not** check them with your luggage
- Think about where you will store your diabetes medicines. Check your product's patient information for the right way to store your diabetes medicines
- Wear or carry your "I have diabetes" ID
- Carry extra food with you
- Check your blood sugar often. A change in schedule may mean changes in your usual patterns

To learn more about traveling with diabetes, visit [Cornerstones4Care.com](https://www.cornerstones4care.com).



## Wrapping up

Here's what we hope you've learned from this booklet:

- **You are not alone.** Millions of people are coping every day with diabetes and reaching their goals. You can too
- **It's important to work with your diabetes care team.** Make a diabetes care plan that includes:
  - Healthy, well-balanced meals
  - Regular physical activity
  - Insulin or other diabetes medicine and a schedule for taking it
  - A schedule for checking your blood sugar regularly
  - A schedule for checkups with your diabetes care team
  - Ways to manage stress
- **The more you work to manage your blood sugar, the better you'll feel each day.** And the more likely you'll be to avoid diabetes problems down the road
- **Diabetes doesn't have to stand in your way!** Learning how to manage your diabetes will help ensure that it doesn't

## My agreement

Use this chart to help you decide on your wellness goals and plan how to get to the goals you choose. I, \_\_\_\_\_, agree to achieving the goals below to help improve my overall health and wellness:

Your signature \_\_\_\_\_ Date \_\_\_\_\_

Friend's signature \_\_\_\_\_ Date \_\_\_\_\_

|                               | Example                                                                                                       | Goal 1 | Goal 2 | Goal 3 |
|-------------------------------|---------------------------------------------------------------------------------------------------------------|--------|--------|--------|
| What I will do:               | <i>I will learn all I can about diabetes so that I can take an active role in my care.</i>                    |        |        |        |
| When I will start:            | <i>I will start tomorrow.</i>                                                                                 |        |        |        |
| How I will start:             | <i>I will start by reading a new section of Cornerstones4Care.com each day until I have read all of them.</i> |        |        |        |
| My barriers:                  | <i>I work long hours and am often short on time.</i>                                                          |        |        |        |
| How I will overcome barriers: | <i>I will wake up 20 minutes early and read while I eat breakfast.</i>                                        |        |        |        |

Diabetes care schedule\*

Every 3 months

- ☐ Regular office visit
- ☐ A1C test (if your blood sugar is not stable)
- ☐ Blood pressure check
- ☐ Weight check
- ☐ Foot check

Every 6 months

- ☐ A1C test (if your blood sugar is stable)
- ☐ Dental exam

Every year

- ☐ Physical exam
- ☐ Comprehensive foot exam
- ☐ Blood fat and cholesterol tests (if your levels are normal)
- ☐ Kidney tests
- ☐ Dilated eye exam
- ☐ Flu shot

\*These recommendations are based on American Diabetes Association guidelines. Talk with your diabetes care team about what is right for you.



Support online

Enjoy the benefits and support of the free *Cornerstones4Care*™ program. Simply enroll online at [Cornerstones4Care.com](https://www.cornerstones4care.com). You'll be able to take advantage of all sorts of tools for managing your diabetes, including an online blood sugar diary and a My Priorities tool to help you create a personalized action plan. Don't miss this chance. Join today!

novo nordisk is dedicated to diabetes

Diabetes is our passion and our business

As a leader in diabetes, Novo Nordisk is dedicated to improving diabetes care worldwide. Novo Nordisk first marketed insulin for commercial use in 1923. Today we offer a broad line of medicines for diabetes. Novo Nordisk created the world's first prefilled pen device for injections.

If you are having trouble affording your Novo Nordisk brand medicine, you may qualify for help. Call the Customer Care Center at 1-800-727-6500 to see if you qualify for assistance.

For more information about Novo Nordisk products for diabetes care, call 1-800-727-6500.

Join **Cornerstones4Care**™ Today!

Go to [Cornerstones4Care.com](https://www.cornerstones4care.com) to register today. Or fill in the information below. Then tear off this card, fold and seal it, and mail it back to us.

First name \_\_\_\_\_ MI \_\_\_\_\_ Last name \_\_\_\_\_

Address 1 \_\_\_\_\_

Address 2 \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

E-mail address \_\_\_\_\_ Phone number \_\_\_\_\_

Birth date (mm/dd/yyyy) \_\_\_\_\_ Gender: ☐ Male ☐ Female

- 1. What type of diabetes do you have? ☐ Type 1 diabetes ☐ Type 2 diabetes
- 2. What year were you diagnosed with diabetes? \_\_\_\_\_
- 3. What type of diabetes medicine do you take now? (Check all that apply)  
☐ Insulin  
☐ Diabetes pills (also called *oral antidiabetic drugs*, or *OADs*)  
☐ GLP-1 medicine (Please list product name) \_\_\_\_\_  
☐ None  
☐ Other
- 4. Please write down the product names of the diabetes medicines you are currently taking:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- 5. If you checked "diabetes pills" in question 3, how many types are you taking each day?  
☐ 1 type of diabetes pill ☐ 2 types of diabetes pills  
☐ More than 2 types of diabetes pills
- 6. How do you take your insulin? (Check all that apply)  
☐ Syringe ☐ Pen  
☐ Insulin pump ☐ Other delivery system
- 7. How long have you been on your current therapy?  
☐ 6 months or less ☐ 7 months to 1 year  
☐ 1 to 3 years ☐ 3 years or more
- 8. How well do you feel you currently manage your diabetes?  

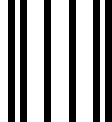
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| Not at all managed         |                            |                            |                            |                            |                            |                            |                            |                            |                             |                             | Somewhat managed |  |  |  |  |  |  |  |  |  |  | Extremely well managed |
| <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | <input type="checkbox"/> 7 | <input type="checkbox"/> 8 | <input type="checkbox"/> 9 | <input type="checkbox"/> 10 | <input type="checkbox"/> 11 |                  |  |  |  |  |  |  |  |  |  |  |                        |
- 9. How strongly do you agree with the following statement? "I am willing to give myself injections as often as needed to get control of my diabetes."  

|                            |                            |                            |                            |                            |                            |                            |                            |                            |                             |                             |                            |  |  |  |  |  |  |  |  |  |  |               |
|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|--|--|--|--|--|--|--|--|--|--|---------------|
| Totally disagree           |                            |                            |                            |                            |                            |                            |                            |                            |                             |                             | Neither agree nor disagree |  |  |  |  |  |  |  |  |  |  | Totally agree |
| <input type="checkbox"/> 1 | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | <input type="checkbox"/> 5 | <input type="checkbox"/> 6 | <input type="checkbox"/> 7 | <input type="checkbox"/> 8 | <input type="checkbox"/> 9 | <input type="checkbox"/> 10 | <input type="checkbox"/> 11 |                            |  |  |  |  |  |  |  |  |  |  |               |

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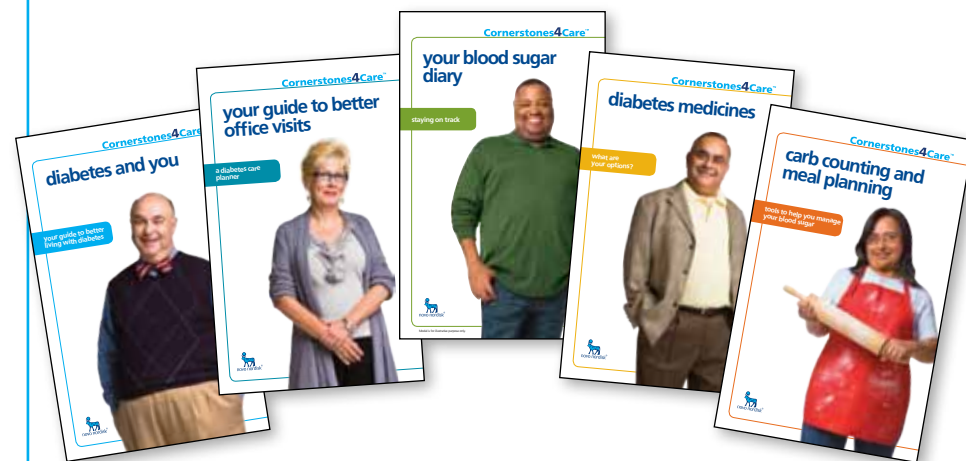


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**Cornerstones4Care™**

Just go to  
**Cornerstones4care.com**  
to register, or  
fill in this reply card.



**Cornerstones4Care™**



The *Cornerstones4Care™* educational series is designed to help people with diabetes work with their diabetes care team to learn about and manage diabetes.

- diabetes and you
- your guide to better office visits
- diabetes medicines
- carb counting and meal planning
- your blood sugar diary

The photographs used in this booklet are for illustration only. The models in the photographs do not necessarily have diabetes or other ailments.

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