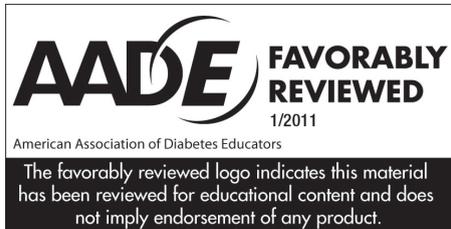


# carb counting and meal planning

tools to help you manage  
your blood sugar



**Favorably reviewed by:**



These 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.

**What's inside**

Healthy eating basics	4
Planning healthy meals	6
Carb counting and diabetes	8
Which foods contain carbs?	9
Counting carbs	11
How many carbs are in my favorite foods?	12
Using exchange lists for meal planning	14
Portion sizes count!	18
When you're dining out and you can't measure, you can estimate!	20
Sample meal plan	22
Advanced carb counting	24
Food exchange lists	25
Starch	27
Fruits	33
Milk	36
Sweets, desserts, and other carbohydrates	39
Nonstarchy vegetables	45
Meat and meat substitutes	47
Fats	53
Free foods	56
Combination foods	60
Fast foods	63
Alcohol	68
Commitment to my health	70
Food exchange lists Index	72

## Healthy eating basics

Healthy eating is important for everyone, but it's even more important for people with diabetes.

To manage your diabetes, you'll want to:

- Eat a variety of foods in the right amounts
- Be sure to check food labels for calorie, carbohydrate, total fat, and sodium amounts
- Eat regularly
- Match how much you eat with your activity level
- Eat fewer foods high in calories, cholesterol, saturated fat, *trans* fat, and sodium

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.

"I have been an RN [registered nurse] for 25 years and have seen the changes in diabetes care firsthand. I truly believe everyone who has diabetes as well as their family members should attend a nutrition class. I have taught many diabetics how to manage their sugar and still enjoy (occasionally) their favorite foods."

– Tina A, Texas

Good diabetes self-care means following your meal plan, being active, and taking your diabetes medicines as directed. 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

Visit [Cornerstones4Care.com](https://www.cornerstones4care.com) to find a personal menu planner that will create a 7-day meal plan made up of your favorite foods. Your plan comes complete with diabetes-friendly recipes and a shopping list.



## Planning healthy meals

The American Diabetes Association's "Create Your Plate" shows how to manage your portion sizes and eat balanced meals. To Create Your Plate, split your plate down the middle. Then divide one of the halves into two. Put nonstarchy vegetables (like spinach or broccoli) in the big half. Put starchy foods (like potatoes or rice) in one of the small sections. Put meat or meat substitute (like eggs or tofu) in the other small section. Add an 8-ounce glass of fat-free milk or low-fat milk and a piece of fruit, and you're ready to eat!



The goals of your meal plan are to help you:

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

Ask your diabetes care team to refer you to a registered dietitian (RD) if there is not already one on your team. This person can help you make a meal plan. You want to have the right balance of food, medicine, and activity.

### What about fiber?

It's also important to include fiber in your meals. Fiber:

- Helps control blood sugar levels
- Lowers blood cholesterol levels
- Reduces blood pressure
- Helps with weight loss
- Helps prevent constipation and diarrhea

The American Diabetes Association recommends that you eat 25 to 30 grams of fiber each day.

Good sources of fiber include:

- Nuts and seeds
- Beans, peas, and other legumes
- Grains and whole-grain products
- Fruits
- Vegetables

Remember that foods high in fiber also may contain a large amount of total carbohydrate, which can raise your blood sugar.

## Carb counting and diabetes

Carbohydrates 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 and fat have little effect on blood sugar levels.

Carbohydrate (or "carb") counting can help you:

- Manage your blood sugar
- Be more flexible in your choice of foods and meal times
- Eat more foods that you enjoy

To count carbs, you need to:

- Know which foods contain carbs
- Find out how many carbs are in those foods
- Read food labels and use measuring tools, such as measuring cups, spoons, and a food scale
- Work with your diabetes care team to decide how to divide your carbs among your meals and snacks

**"Diet and exercise have played an important part in managing my and my son's diabetes. Diligence in watching your diet and testing your blood sugar will play a huge part in combating the disease."**

– Russell S, Illinois

## Which foods contain carbs?

Many foods contain carbs. The foods that contain the most carbs are:

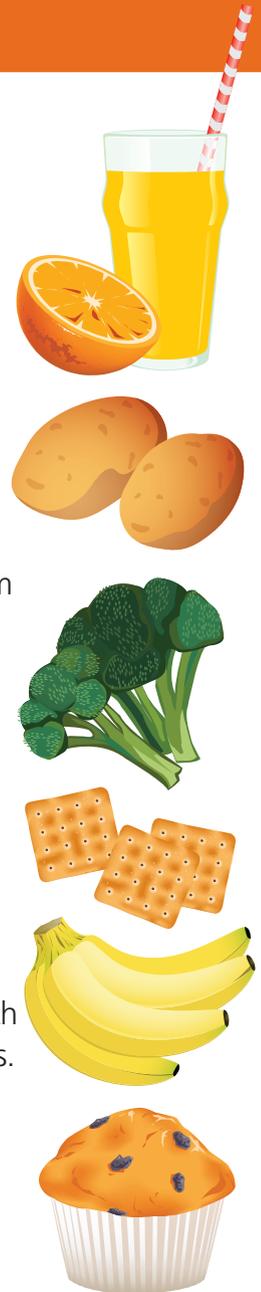
- Starches – all bread, cereal, crackers, grains, rice, pasta
- Starchy vegetables – potatoes, corn, peas, beans
- All fruits and fruit juices
- All milk and yogurt
- Sugary foods – candy, regular soda pop, jelly
- Sweets – cakes, cookies, pies, ice cream

In fact, the only food groups that generally don't contain carbs are:

- Meats and meat substitutes, such as eggs and cheese
- Fats and oils

Because carbs raise blood sugar more than other nutrients, you may wonder why you should eat them at all. You need to eat foods with carbs because they provide your body with energy, along with many vitamins and minerals.

Sweets are okay to include in your meal plan once in a while. But keep in mind that sweets often contain a lot of carbs, calories, and fat, with very little nutritional value.



## What about sugar alcohols?

Sugar alcohols are one kind of reduced-calorie sweetener. They include sweeteners like maltitol, mannitol, sorbitol, xylitol, and isomalt. Sugar alcohols are used in some sugar-free candy, gum, and desserts. Despite their name, sugar alcohols do not contain alcohol.

Products containing sugar alcohols are not always low in carbs or calories. So it's important to check the label on any of these products. The effect of sugar alcohols on your blood sugar can vary.



## Counting carbs

Work with your dietitian or another member of your diabetes care team to find the number of carbs you need in your meal plan. That's the number that you should aim for each day.

Your dietitian or diabetes educator can help you easily divide your carbs among your meals and snacks. If you take diabetes pills or 1 to 2 injections of insulin a day, it's important to try to eat the same amount of carbs at the same meals and snacks each day. If you take 3 or more injections of insulin a day, you may have more flexibility with your meal plan.



Skipping meals can lead to low blood sugar, especially if you take insulin. If you include snacks in your meal plan, don't forget to count the carbs!

To create a 7-day meal plan complete with recipes and a shopping list, go to [Cornerstones4Care.com](https://www.cornerstones4care.com).

**Keep in mind that in the food lists, 1 carb unit equals 15 grams of carbohydrate.** For example, page 40 says that cranberry juice cocktail should be counted as "1 carb." That means that  $\frac{1}{2}$  cup of cranberry juice cocktail has about 15 grams of carbohydrate.

## How many carbs are in my favorite foods?

For foods that come in packages, the best place to find the carb count is on the Nutrition Facts label. The grams of total carbohydrate on the label are the key to carb counting. Don't worry about counting the sugar and fiber grams. They are included in the total carb number.

Check serving size. Information on the label is based on the serving size

See how many grams of carb are in each serving

Decide whether the food fits into your meal plan

# Nutrition Facts

Serving Size 1 cup (40g)  
Servings Per Container 2.5

### Amount Per Serving

**Calories** 150      **Calories from Fat** 10  
**% Daily Value\***

<b>Total Fat</b> 3g	4%
Saturated Fat 0.5g	2%
<i>Trans</i> Fat 0g	0%
<b>Cholesterol</b> 0mg	0%
<b>Sodium</b> 10mg	1%
<b>Total Carbohydrate</b> 24g	9%
Dietary Fiber 4g	15%
Sugars 1g	
<b>Protein</b> 5g	
Vitamin A	4%
Vitamin C	2%
Calcium	20%
Iron	4%

\* Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs.

## Using exchange lists for meal planning

Exchange lists can be used to count carbs. They can be used to count calories too. Each list has foods that have about the same amount of carbs.\* They have about the same amount of calories, protein, and fat, too. So you can exchange, or switch, one food from a list with another food from that list.

Let's say your breakfast plan calls for 1 serving from the fruit list. You can choose ½ grapefruit, ½ banana, or 1 serving of a different fruit on the list.

Check the introduction to each food group. See how many carb grams the servings in that group have.

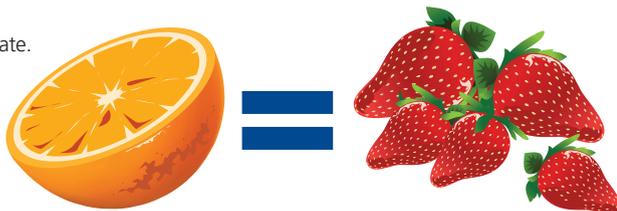
The exchange lists come in these groups:

- Starch
- Fruits
- Milk
- Sweets, Desserts, and Other Carbohydrates
- Nonstarchy Vegetables
- Meat and Meat Substitutes
- Fats

The exchange lists begin on page 25 of this booklet.

You can create a personalized menu using foods from the lists at [Cornerstones4Care.com](https://www.cornerstones4care.com).

\*Carb counts of foods can vary.  
All counts provided are approximate.



**15 grams  
of carb**

For foods without a label, such as fruits and vegetables, you can use the food exchange lists in this booklet to find the carb counts. **Be sure to check the portion size.** You can also go to [Cornerstones4Care.com](https://www.cornerstones4care.com) and use the food look-up tool.

Let's say you want to plan your breakfast and your goal is to have 60 to 75 grams of carb for breakfast. You can have:

1½ cups of cereal (1½ servings)	36 grams of carb (Check the Nutrition Facts label)
1 cup of skim milk	12 grams of carb (See page 36)
½ banana	15 grams of carb (See page 33)
Total:	63 grams of carb



## The food list

The following chart shows the amount of carb grams in 1 serving from each food list.

Food	Carb (gram)
Starch: breads; cereals and grains; starchy vegetables; crackers and snacks; and beans, peas, and lentils	15
Fruits	15
Milk: fat-free, low-fat, 1%; reduced-fat, 2%; whole	12
Sweets, Desserts, and Other Carbohydrates	15
Nonstarchy Vegetables	5
Meat and Meat Substitutes	
Lean, such as cottage cheese or fish	—
Medium-fat, such as beef or egg	—
High-fat, such as cheese or sausage	—
Plant-based proteins, such as beans or tofu	varies
Fats	—
Alcohol	varies



“I’ve been diabetic for almost 38 years and have always gone out of my way to take good care of myself. Socially, it’s a pain to stick with healthy eating, but the end result is definitely worth it. I exercise regularly and believe that managing what you eat is the strongest fight we have to put up in order to take care of ourselves.”

— Diane S, California

## Portion sizes count!

It's important to eat not only the right types of foods, but also the right amounts. You can eat too much of healthy foods!

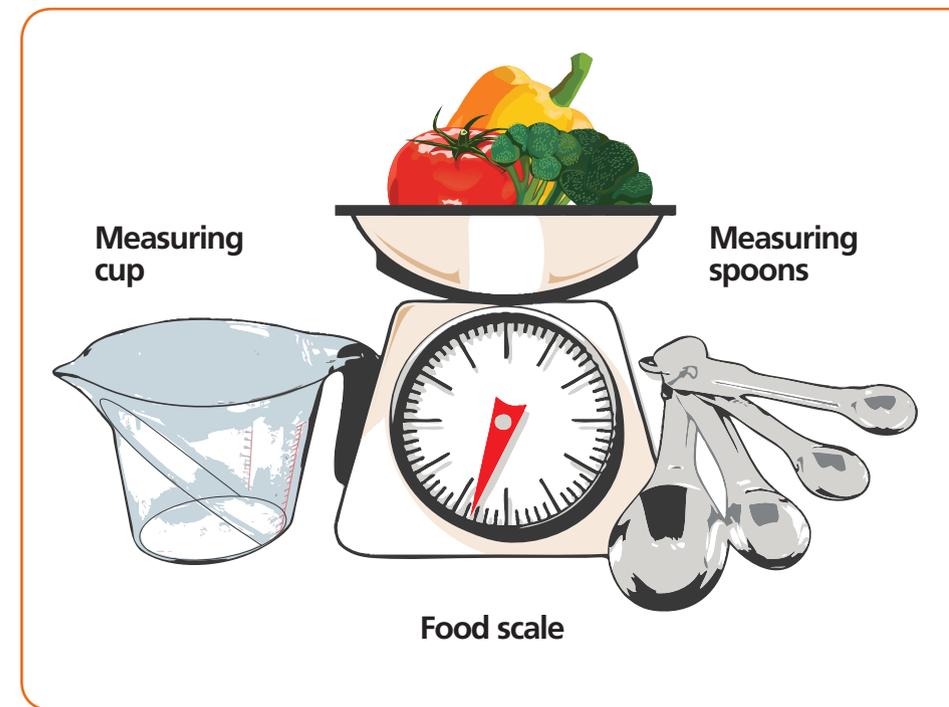
For example, a small 4-ounce apple (the size of a small fist) has about 15 carb grams. A large apple has about 30 carb grams. That's a big difference!

**Small apple: 15 carb grams    Large apple: 30 carb grams**



Apples shown are actual size.

To make sure your portions are right, you need to weigh and measure your foods after they are cooked. Do you need to do this every time you eat? No. But it's helpful if you weigh and measure your foods when you first start carb counting. It's also helpful to continue weighing and measuring your foods every once in a while, just to make sure your portions haven't grown over time.



## When you're dining out and you can't measure, you can estimate!

If you are dining out or you're unable to use measuring cups and spoons or a scale, you can use your hand to estimate portion sizes. (Note: Hand sizes vary. These estimates are based on the size of a small hand. They are intended to be guides only.)



■ Your fist equals about 1 cup



■ Your palm equals about 3 ounces



■ Your thumb equals about 1 ounce

For more meal planning tools, visit [Cornerstones4Care.com](https://www.cornerstones4care.com).

## Daily calorie goal

The table below shows how many servings from the different food groups you would eat for each daily calorie level. Each column lists the total grams of carbs, the recommended number of food servings from each food group, and how many grams of carbs are in these servings. To find out how much food is in a serving, check the lists at the end of this booklet.

- Current recommendation of total carbs for a healthy diet is 45% to 65% of total calorie needs
- 1200 calories per day is the minimum necessary to meet your nutrient needs

Talk with your diabetes care team about the calorie count that is right for you.

Calories	1200	1500	1800	2000	2200
Total carbs (grams/serving)	144	174	209	239	269
<b>Servings</b>					
Starches (15 grams)	5	6	8	10	11
Fruits (15 grams)	2	3	3	3	4
Milk & yogurt* (12 grams)	2	2	2	2	2
Vegetables, nonstarchy (5 grams)	3	3	4	4	4
Lean meat and meat substitutes	4 oz	6 oz	7 oz	8 oz	8 oz
Fats	5	6	7	7	8

Bold = foods that contain carbohydrate. \*Fat-free.

## Sample meal plan 1500 calories, 174 carb grams

Visit [Cornerstones4Care.com](http://Cornerstones4Care.com) to find tools that make meal planning easy! The personalized meal planner lets you plan meals that include the foods you like best. The planner comes complete with recipes and a shopping list.



Food	Amount	Food Group	Carb Grams
<b>Breakfast</b>			
Bran flakes	1 cup	Starch	30
Milk, fat-free	1 cup	Milk	12
Banana	½	Fruit	15
<b>Meal total</b>			<b>57</b>
<b>Lunch</b>			
Sandwich of:			
Roast beef, lean	2 oz	Meat	0
Cheese (part skim)	1 oz	Meat	0
Whole-wheat bread	2 slices	Starch	30
Mayonnaise, reduced fat	1 Tbsp	Fat	0
Baby carrots and grape tomatoes with low-fat dressing	½ cup each 2 Tbsp	Vegetable Fat	5 0
Apple, large (8 oz)	1	Fruit	30
<b>Meal total</b>			<b>65</b>
<b>Supper</b>			
Winter squash	1 cup	Starch	15
Whole-wheat bread roll with margarine, regular tub	1 small 2 tsp	Starch Fat	15 0
Broccoli, steamed with lemon	½ cup	Vegetable	5
Salad: greens, cucumber, red pepper, and Italian dressing	1 cup 1 Tbsp	Vegetable Fat	5 0
Broiled flounder with lemon	3 oz	Meat	0
<b>Meal total</b>			<b>40</b>
<b>Evening snack</b>			
Yogurt, plain, fat-free	⅔ cup (6 oz)	Milk	12
<b>Meal total</b>			<b>12</b>
<b>Total</b>			<b>174</b>

## Advanced carb counting

Do you use intensive insulin therapy to manage your blood sugar? Then you may want to do advanced carb counting. This may help you manage your blood sugar better.

The goal of this kind of counting is to try to match the amount of fast-acting insulin you take with the amount of carbs you eat. You use an insulin-to-carb ratio to do this. Each person responds in a different way to insulin. So, each person has a different ratio. You may need different ratios for different meals or times of the day, too.

Your insulin-to-carb ratio is made just for you. An RD can help you find it. He or she can teach you how to do advanced carb counting, too. If you don't already have an RD on your diabetes care team, ask your team to refer you to one.

To learn more about insulin therapy, ask your diabetes care team for a copy of the booklet *Diabetes Medicines*. You can also visit [Cornerstones4Care.com](http://Cornerstones4Care.com).

“Living with diabetes one day at a time and taking each day as a new day helps me keep my outlook clear and grateful instead of denying my diabetes and letting it beat me!”

— Rebecca G, New Jersey

## Food exchange lists

The following pages provide the exchange lists for meal planning. You can use these lists in planning your meals. You might find it helpful to keep this booklet handy and refer to it often. It's also a good idea to review these lists with a registered dietitian.

There are three main groups of foods in these lists. They are based on the three major nutrients: carbohydrates, protein (meat and meat substitutes), and fat. Each food list contains foods that are grouped together because they have similar nutrient content and serving sizes. Each serving of a food has about the same amount of carbohydrate, protein, fat, and calories as the other foods on the same list.

“It took some time, but I made the decision to do the things I needed to do to manage my diabetes. I started exercising and thinking more carefully about my food choices. Before too long, I had gained a lot of confidence in my abilities to manage this disease.”

— Karen R, South Carolina

## Key to symbols



= More than 3 grams of dietary fiber per serving.



= Extra fat or prepared with added fat.  
(Add an extra fat choice.)



= 480 milligrams or more of sodium per serving.

The Exchange Lists are used with permission. Reproduction of the Exchange Lists in whole or part, without permission of the American Dietetic Association or the American Diabetes Association, Inc. is a violation of federal law. This material has been modified from *Choose Your Foods: Exchange Lists for Diabetes*, which is the basis of a meal planning system designed by a committee of the American Diabetes Association and the American Dietetic Association. While designed primarily for people with diabetes and others who must follow special diets, the Exchange Lists are based on principles of good nutrition that apply to everyone.

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## Starch

A choice on the starch list has **15 grams of carb**, 0–3 grams of protein, 0–1 grams of fat, and 80 calories.

Cereals, grains, pasta, breads, crackers, snacks, starchy vegetables, and cooked beans, peas, and lentils are starches. In general, 1 starch is:

- ½ cup of cooked cereal, grain, or starchy vegetable
- ⅓ cup of cooked rice or pasta
- 1 oz of a bread product, such as 1 slice of bread
- ¾ oz to 1 oz of most snack foods (some snack foods may also have extra fat)

For maximum health benefits, eat 3 or more servings of whole grains each day. A serving of whole grain is about ½ cup of cooked cereal or grain, 1 slice of whole-grain bread, or 1 cup of whole-grain cold breakfast cereal.



## Starch (continued)

### Bread

Food	Serving Size or Portion
Bagel, large (about 4 oz)	¼ (1 oz)
😊 Bread, reduced-calorie	2 slices (1½ oz)
Bread, white, whole-grain, pumpernickel, rye, unfrosted raisin	1 slice (1 oz)
Chapatti, small, 6 inches across	1
English muffin	½
Hot dog or hamburger bun	½ (1 oz)
Naan, 8 inches × 2 inches	¼
Pancake, 4 inches across, ¼ inch thick	1
Pita, 6 inches across	½
Roll, plain, small	1 (1 oz)
⚠️ Taco shell, 5 inches across	2
Tortilla, corn or flour, 6 inches across	1
Tortilla, flour, 10 inches across	⅓ tortilla
⚠️ Waffle, 4-inch square or 4 inches across	1



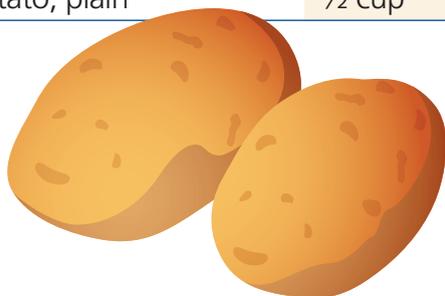
## Cereals and Grains

Food	Serving Size or Portion
Barley, cooked	⅓ cup
Bran, dry	
😊 Oat	¼ cup
😊 Wheat	½ cup
😊 Bulgur (cooked)	½ cup
Cereals	
😊 Bran	½ cup
Cooked (oats, oatmeal)	½ cup
Puffed	1½ cups
Shredded wheat, plain	½ cup
Sugar-coated	½ cup
Unsweetened, ready-to-eat	¾ cup
Couscous	⅓ cup
Granola	
Low-fat	¼ cup
⚠️ Regular	¼ cup
Grits, cooked	½ cup
Kasha	½ cup
Millet, cooked	⅓ cup
Muesli	¼ cup
Pasta, cooked	⅓ cup
Polenta, cooked	⅓ cup
Rice, white or brown, cooked	⅓ cup
Tabbouleh (tabouli), prepared	½ cup
Wheat germ, dry	3 Tbsp
Wild rice, cooked	½ cup

## Starch (continued)

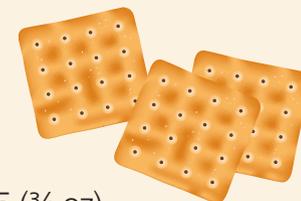
### Starchy Vegetables

Food	Serving Size or Portion
Cassava	1/3 cup
Corn	1/2 cup
On cob, large	1/2 cob (5 oz)
😊 Hominy, canned	3/4 cup
😊 Mixed vegetables with corn, peas, or pasta	1 cup
😊 Parsnips	1/2 cup
😊 Peas, green	1/2 cup
Plantain, ripe	1/3 cup
Potato	
Baked with skin	1/4 large (3 oz)
Boiled, all kinds	1/2 cup or 1/2 medium (3 oz)
⚠️ Mashed, with milk and fat	1/2 cup
French fried (oven-baked)	1 cup (2 oz)
😊 Pumpkin, canned, no sugar added	1 cup
Spaghetti/pasta sauce	1/2 cup
😊 Squash, winter (acorn, butternut)	1 cup
😊 Succotash	1/2 cup
Yam, sweet potato, plain	1/2 cup



## Crackers and Snacks

Food	Serving Size or Portion
Animal crackers	8
Crackers	
⚠️ Round, butter-type	6
Saltine-type	6
⚠️ Sandwich-style, cheese or peanut butter filling	3
⚠️ Whole-wheat regular	2–5 (3/4 oz)
😊 Whole-wheat lower fat or crispbreads	2–5 (3/4 oz)
Graham cracker, 2 1/2-inch square	3
Matzoh	3/4 oz
Melba toast, about 2-inch by 4-inch piece	4
Oyster crackers	20
Popcorn	
⚠️ 😊 With butter	3 cups
😊 No fat added	3 cups
😊 Lower fat	3 cups
Pretzels	3/4 oz
Rice cakes, 4 inches across	2
Snack chips	
Fat-free or baked (tortilla, potato), baked pita chips	15–20 (3/4 oz)
⚠️ Regular (tortilla, potato)	9–13 (3/4 oz)



## Starch (continued)

### Beans, Peas, and Lentils

The choices on this list count as 1 starch + 1 lean meat.

Food	Serving Size or Portion
😊 Baked beans	1/3 cup
😊 Beans, cooked (black, garbanzo, kidney, lima, navy, pinto, white)	1/2 cup
😊 Lentils, cooked (brown, green, yellow)	1/2 cup
😊 Peas, cooked (black-eyed, split)	1/2 cup
😊 🥤 Refried beans, canned	1/2 cup



## Fruits

A choice on the fruits list has **15 grams of carbs**, 0 grams of protein, 0 grams of fat, and 60 calories. The weight listed includes skin, core, seeds, and rind.

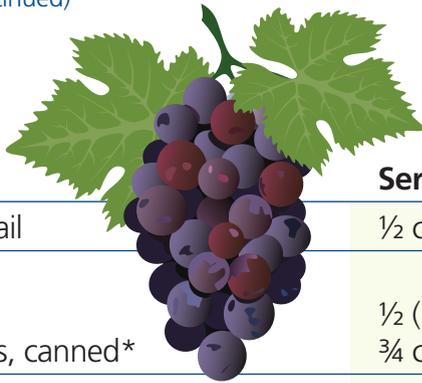


### Fruit

Food	Serving
Apple, unpeeled, small	1 (4 oz)
Apples, dried	4 rings
Applesauce, unsweetened	1/2 cup
Apricots	
Canned*	1/2 cup
Dried	8 halves
😊 Fresh	4 whole (5 1/2 oz)
Banana	1/2 (4 oz)
😊 Blackberries	3/4 cup
Blueberries	3/4 cup
Cantaloupe, small	1/3 melon or 1 cup cubed (11 oz)
Cherries	
Sweet, canned*	1/2 cup
Sweet fresh	12 (3 oz)
Dates	3
Dried fruits (blueberries, cherries, cranberries, mixed fruit, raisins)	2 Tbsp
Figs	
Dried	1 1/2
😊 Fresh	1 1/2 large or 2 medium (3 1/2 oz)

\* Choose products canned in light syrup, water, or juice packed.

## Fruits (continued)



Food	Serving Size
Fruit cocktail	½ cup
Grapefruit	
Large	½ (11 oz)
Sections, canned*	¾ cup
Grapes, small	17 (3 oz)
Honeydew melon	1 slice or 1 cup cubed (10 oz)
😊 Kiwi	1 (3½ oz)
Mandarin oranges, canned*	¾ cup
Mango, small	½ fruit (5½ oz) or ½ cup
Nectarine, small	1 (5 oz)
😊 Orange, small	1 (6½ oz)
Papaya	½ fruit or 1 cup cubed (8 oz)
Peaches	
Canned*	½ cup
Fresh, medium	1 (6 oz)
Pears	
Canned*	½ cup
Fresh	½ cup (4 oz)
Pineapple	
Canned*	½ cup
Fresh	¾ cup



\* Choose products canned in light syrup, water, or juice packed.

## Food

## Serving Size

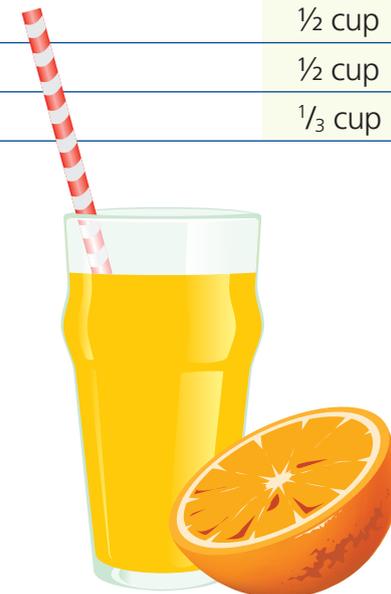
Plums	
Canned*	½ cup
Dried (prunes)	3
Small	2 (5 oz)
😊 Raspberries	1 cup
😊 Strawberries	1¼ cups whole berries
😊 Tangerines, small	2 (8 oz)
Watermelon	1 slice or 1¼ cups cubes (13½ oz)

## Fruit Juice

### Food

### Serving Size

Apple juice/cider	½ cup
Fruit juice blends, 100% juice	⅓ cup
Grape juice	⅓ cup
Grapefruit juice	½ cup
Orange juice	½ cup
Pineapple juice	½ cup
Prune juice	⅓ cup



## Milk

Different types of milk and milk products are on this list. However, two types of milk products are found on other lists:

- Cheeses are on the Meat and Meat Substitutes list (because they are rich in protein)
- Cream and other dairy fats are on the Fats list

Milk and yogurts are grouped in three categories (fat-free/low-fat, reduced-fat, or whole) based on the amount of fat they have. This chart shows you what 1 milk choice contains:

	Carb	Protein (grams)	Fat (grams)	Calories (grams)
Fat-free (skim), low-fat (1%)	12	8	0–3	100
Reduced-fat (2%)	12	8	5	120
Whole	12	8	8	160

### Nutrition tips

- Milk and yogurt are good sources of calcium and protein
- The higher the fat content of milk and yogurt, the more saturated fat and cholesterol it has
- Children over the age of 2 and adults should choose lower-fat varieties such as skim, 1%, or 2% milks or yogurts



### Selection tips

- 1 cup equals 8 fluid oz or ½ pint
- If you choose 2% or whole-milk foods, be aware of the extra fat

### Milk and Yogurts

Food	Serving Size	Count as
<b>Fat-free or low-fat (1%), 0–3 grams of fat per serving, 100 calories</b>		
Milk, buttermilk, acidophilus milk, Lactaid®	1 cup	1 fat-free milk
Evaporated milk	½ cup	1 fat-free milk
Yogurt, plain or flavored with an artificial sweetener	⅔ cup (6 oz)	1 fat-free milk
<b>Reduced-fat (2%), 5 grams of fat per serving, 120 calories</b>		
Milk, acidophilus milk, kefir, Lactaid®	1 cup	1 reduced-fat milk
Yogurt, plain	⅔ cup (6 oz)	1 reduced-fat milk
<b>Whole, 8 grams of fat per serving, 160 calories</b>		
Milk, buttermilk, goat's milk	1 cup	1 whole milk
Evaporated milk	½ cup	1 whole milk
Yogurt, plain	8 oz	1 whole milk

**Dairy-like Foods**

Food	Serving Size	Count as
Chocolate milk		
Fat-free	1 cup	1 fat-free milk + 1 carb
Whole	1 cup	1 whole milk + 1 carb
Eggnog, whole milk	½ cup	1 carb + 2 fats
Rice drink		
Flavored, low-fat	1 cup	2 carbs
Plain, fat-free	1 cup	1 carb
Smoothies, flavored, regular	10 oz	1 fat-free milk + 2½ carbs
Soy milk		
Light	1 cup	1 carb + ½ fat
Regular, plain	1 cup	1 carb + 1 fat
Yogurt		
And juice blends	1 cup	1 fat-free milk + 1 carb
Low-carb (less than 6 grams of carbs)	⅔ cup (6 oz)	½ fat-free milk
With fruit, low-fat	⅔ cup (6 oz)	1 fat-free milk + 1 carb



## Sweets, Desserts, and Other Carbohydrates

You can substitute food choices from this list for other carb-containing foods (such as those found on the Starch, Fruit, or Milk lists) in your meal plan, even though these foods have added sugars or fat.

### Nutrition tips

- A carbohydrate choice has 15 grams of carb, variable grams of protein, variable grams of fat, and variable calories
- The foods on the following list do not have as much vitamins, minerals, and fiber as the choices on the Starch, Fruits, or Milk lists. When choosing sweets, desserts, and other carbohydrate foods, you should also eat foods from other food lists to balance out your meals
- Many of these foods don't equal a single choice. Some will also count as one or more fat choices
- If you are trying to lose weight, choose foods from this list less often
- The serving sizes for these foods are small because of their fat content

### Selection tips

- Read the Nutrition Facts on the food label to find the serving size and nutrient information
- Many sugar-free, fat-free, or reduced-fat products are made with ingredients that contain carbs. These types of food usually have the same amount of carbs as the regular foods they are replacing. Talk with your RD and find out how to fit these foods into your meal plan.

## Sweets, Desserts, and Other Carbohydrates (continued)

### Beverages, Soda Pop, and Energy/Sports Drinks

Food	Serving Size	Count as
Cranberry juice cocktail	½ cup	1 carb
Energy drink	1 can (8.3 oz)	2 carbs
Fruit drink or lemonade	1 cup (8 oz)	2 carbs
Hot chocolate		
Regular	1 envelope added to water	1 carb + 1 fat
Sugar-free or light	1 envelope added to water	1 carb
Soft drink (soda pop), regular	1 can (12 oz)	2½ carbs
Sports drink	1 cup (8 oz)	1 carb

### Brownies, Cake, Cookies, Gelatin, Pie, and Pudding

Food	Serving Size	Count as
Brownie, small, unfrosted	1¼-inch square, 7⁄8 inch high (about 1 oz)	1 carb + 1 fat
Cake		
Angel food, unfrosted	1⁄12 of cake (about 1 oz)	2 carbs
Frosted	2-inch square (about 2 oz)	2 carbs + 1 fat
Unfrosted	2-inch square (about 1 oz)	1 carb + 1 fat

Food	Serving Size	Count as
Cookies		
Chocolate chip	2 cookies (2¼ inches across)	1 carb + 2 fats
Gingersnap	3 cookies	1 carb
Sandwich, with crème filling	2 small (about 2⁄3 oz)	1 carb + 1 fat
Sugar-free	3 small or 1 large (¾–1 oz)	1 carb + 1–2 fats
Vanilla wafer	5 cookies	1 carb + 1 fat
Cupcake, frosted	1 small (about 1¾ oz)	2 carbs + 1–1½ fats
Fruit cobbler	½ cup (3½ oz)	3 carbs + 1 fat
Gelatin, regular	½ cup	1 carb
Pie		
Commercially prepared fruit, 2 crusts	1⁄6 of 8-inch pie	3 carbs + 2 fats
Pumpkin or custard	1⁄8 of 8-inch pie	1½ carbs + 1½ fats
Pudding		
Regular (made with reduced-fat milk)	½ cup	2 carbs
Sugar-free or sugar- and fat-free (made with fat-free milk)	½ cup	1 carb



## Sweets, Desserts, and Other Carbohydrates (continued)



### Candy, Spreads, Sweets, Sweeteners, Syrups, and Toppings

Food	Serving Size	Count as
Candy bar, chocolate/peanut	2 "fun size" bars (1 oz)	1½ carbs + 1½ fats
Candy, hard	3 pieces	1 carb
Chocolate "kisses"	5 pieces	1 carb + 1 fat
Coffee creamer		
Dry, flavored	4 tsp	½ carb + ½ fat
Liquid, flavored	2 Tbsp	1 carb
Fruit snacks, chewy (pureed fruit concentrate)	1 roll (¾ oz)	1 carb
Fruit spreads, 100% fruit	1½ Tbsp	1 carb
Honey	1 Tbsp	1 carb
Jam or jelly, regular	1 Tbsp	1 carb
Sugar	1 Tbsp	1 carb
Syrup		
Chocolate	2 Tbsp	2 carbs
Light (pancake type)	2 Tbsp	1 carb
Regular (pancake type)	1 Tbsp	1 carb

## Condiments and Sauces

Food	Serving Size	Count as
Barbecue sauce	3 Tbsp	1 carb
Cranberry sauce, jellied	¼ cup	1½ carbs
 Gravy, canned or bottled	½ cup	½ carb + ½ fat
Salad dressing, fat-free, low-fat, cream-based	3 Tbsp	1 carb
Sweet and sour sauce	3 Tbsp	1 carb

### Doughnuts, Muffins, Pastries, and Sweet Breads

Food	Serving Size	Count as
Banana nut bread	1-inch slice (1 oz)	2 carbs + 1 fat
Doughnut		
Cake, plain	1 medium (1½ oz)	1½ carbs + 2 fats
Yeast type, glazed	3¾ inches across (2 oz)	2 carbs + 2 fats
Muffin (4 oz)	¼ muffin (1 oz)	1 carb + ½ fat
Sweet roll or Danish	1 (2½ oz)	2½ carbs + 2 fats



## Sweets, Desserts, and Other Carbohydrates (continued)

### Frozen Bars, Frozen Desserts, Frozen Yogurt, and Ice Cream

Food	Serving Size	Count as
Frozen pops	1	½ carb
Fruit juice bars, frozen, 100% juice	1 bar (3 oz)	1 carb
Ice cream		
Fat-free	½ cup	1½ carbs
Light	½ cup	1 carb + 1 fat
No sugar added	½ cup	1 carb + 1 fat
Regular	½ cup	1 carb + 2 fats
Sherbet, sorbet	½ cup	2 carbs
Yogurt, frozen		
Fat-free	⅓ cup	1 carb
Regular	½ cup	1 carb + 0–1 fat

### Granola Bars, Meal Replacement Bars/Shakes, and Trail Mix

Food	Serving Size	Count as
Granola or snack bar, regular or low-fat	1 bar (1 oz)	1½ carbs
Meal replacement bar	1 bar (1 oz)	1½ carbs + 0–1 fat
Meal replacement bar	1 bar (2 oz)	2 carbs + 1 fat
Meal replacement shake, reduced calorie	1 can (10–11 oz)	1½ carbs + 0–1 fat
Trail mix		
Candy/nut-based	1 oz	1 carb + 2 fats
Dried fruit-based	1 oz	1 carb + 1 fat

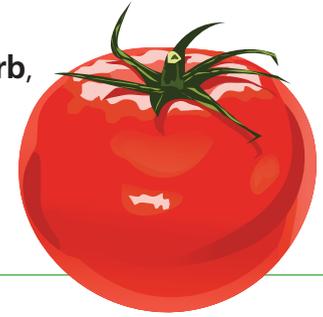
## Nonstarchy Vegetables

One nonstarchy vegetable choice is:

- ½ cup of cooked vegetables, including vegetable juice, or
- 1 cup of raw vegetables

If you eat 3 cups or more of raw vegetables or 1½ cups of cooked vegetables in a meal, count them as 1 carbohydrate choice.

A choice on this list has **5 grams of carb**, 2 grams of protein, 0 grams of fat, and 25 calories.



- |                             |  |
|-----------------------------|--|
| Amaranth or Chinese spinach | 😊 Brussels sprouts                           |
| Artichoke                   | Cabbage (green, bok choy, Chinese)           |
| Artichoke hearts            | 😊 Carrots                                    |
| Asparagus                   | Cauliflower                                  |
| Baby corn                   | Celery                                       |
| Bamboo shoots               | 😊 Chayote                                    |
| Beans (green, wax, Italian) | Coleslaw, packaged, no dressing              |
| Bean sprouts                | Cucumber                                     |
| Beets                       | Eggplant                                     |
| 🍷 Borscht                   | Gourds (bitter, bottle, luffa, bitter melon) |
| Broccoli                    |  |

## Nonstarchy Vegetables (continued)

- Green onions or scallions
- Greens (collard, kale, mustard, turnip)
- Hearts of palm
- Jicama
- Kohlrabi
- Leeks
- Mixed vegetables (without corn, peas, or pasta)
- Mung bean sprouts
- Mushrooms, all kinds, fresh
- Okra
- Onions
- Oriental radish or daikon
- Pea pods
- 😊 Peppers (all varieties)
- Radishes
- Rutabaga
- 🥒 Sauerkraut
- Soybean sprouts
- Spinach
- Squash (summer, crookneck, zucchini)
- Sugar snap peas
- 😊 Swiss chard
- Tomato
- Tomatoes, canned
- 🥫 Tomato sauce
- 🥫 Tomato/vegetable juice
- Turnips
- Water chestnuts
- Yard-long beans



## Meat and Meat Substitutes

Foods from this list are divided into 4 groups based on the amount of fat they contain. The following chart shows you what 1 choice includes:

	Carb	Protein (grams)	Fat (grams)	Calories (grams)
Lean meat	—	7	0–3	45
Medium-fat meat	—	7	4–7	75
High-fat meat	—	7	8+	100
Plant-based protein	Varies	7	Varies	Varies



### Lean Meats and Meat Substitutes

Beef: Select or Choice grades trimmed of fat: ground round, roast (chuck, rib, rump), round, sirloin, steak (cubed, flank, porterhouse, T-bone), tenderloin	1 oz
🥫 Beef jerky	½ oz
Cheese with 3 grams of fat or less per oz	1 oz
Cottage cheese	¼ cup
Egg substitutes, plain	¼ cup
Egg whites	2

## Meat and Meat Substitutes (continued)

Fish, fresh or frozen, plain: catfish, cod, flounder, haddock, halibut, orange roughy, salmon, tilapia, trout, tuna	1 oz
 Fish, smoked: herring or salmon (lox)	1 oz
Game: buffalo, ostrich, rabbit, venison	1 oz
Hot dog with 3 grams of fat or less per oz (8 hot dogs per 14-oz package) <i>Note: May be high in carbs</i>	1
Lamb: chop, leg, or roast	1 oz
Organ meats: heart, kidney, liver <i>Note: May be high in cholesterol</i>	1 oz
Oysters, fresh or frozen	6 medium
Pork, lean	
 Canadian bacon	1 oz
Rib or loin chop/roast, ham, tenderloin	1 oz
Poultry, without skin: Cornish hen, chicken, domestic duck or goose (well drained of fat), turkey	1 oz
Processed sandwich meats with 3 grams of fat or less per oz: chipped beef, deli thin-sliced meats, turkey ham, turkey kielbasa, turkey pastrami	1 oz
Salmon, canned	1 oz
Sardines, canned	2 small
 Sausage with 3 grams of fat or less per oz	1 oz
Shellfish: clams, crab, imitation shellfish, lobster, scallops, shrimp	1 oz
Tuna, canned in water or oil, drained	1 oz
Veal, loin chop, roast	1 oz

## Medium-Fat Meat and Meat Substitutes

Beef: corned beef, ground beef, meatloaf, Prime grades trimmed of fat (prime rib), short ribs, tongue	1 oz
Cheeses with 4–7 grams of fat per oz: feta, mozzarella, pasteurized processed cheese spread, reduced-fat cheeses, string	1 oz
Egg <i>Note: High in cholesterol, so limit to 3 per week</i>	1
Fish, any fried product	1 oz
Lamb: ground, rib roast	1 oz
Pork: cutlet, shoulder roast	1 oz
Poultry: chicken with skin; dove, pheasant, wild duck, or goose; fried chicken; ground turkey	1 oz
Ricotta cheese	2 oz or ¼ cup
 Sausage with 4–7 grams of fat per oz	1 oz
Veal, cutlet (no breading)	1 oz



## Meat and Meat Substitutes (continued)

### High-Fat Meat and Meat Substitutes

Bacon	
 Pork (16 slices per lb or 1 oz each, before cooking)	2 slices
 Turkey (½ oz each before cooking)	3 slices
Cheese, regular: American, bleu, brie, cheddar, hard goat, Monterey jack, queso, and Swiss	1 oz
  Hot dog: beef, pork, or combination (10 per lb-sized package)	1
 Hot dog: turkey or chicken (10 per lb-sized package)	1
Pork: ground, sausage, spareribs	1 oz
Processed sandwich meats with 8 grams of fat or more per oz: bologna, pastrami, hard salami	1 oz
 Sausage with 8 grams of fat or more per oz: bratwurst, chorizo, Italian, knockwurst, Polish, smoked, summer	1 oz



## Plant-Based Proteins

Because carb content varies among plant-based proteins, you should read the Nutrition Facts label.

Food	Serving Size	Count as
"Bacon" strips, soy-based	3 strips	1 medium-fat meat
 Baked beans	⅓ cup	1 starch + 1 lean meat
 Beans, cooked: black, garbanzo, kidney, lima, navy, pinto, white	½ cup	1 starch + 1 lean meat
 "Beef" or "sausage" crumbles, soy-based	2 oz	½ carb + 1 lean meat
"Chicken" nuggets, soy-based	2 nuggets (1½ oz)	½ carb + 1 medium-fat meat
 Edamame	½ cup	½ carb + 1 lean meat
Falafel (spiced chickpea and wheat patties)	3 patties (about 2 inches across)	1 carb + 1 high-fat meat
"Hot dog," soy-based	1 (1½ oz)	½ carb + 1 lean meat
 Hummus	⅓ cup	1 carb + 1 high-fat meat
 Lentils, brown, green, or yellow	½ cup	1 carb + 1 lean meat
 Meatless burger, soy-based	3 oz	½ carb + 2 lean meats
 Meatless burger, vegetable- and starch-based	1 patty (about 2½ oz)	1 carb + 2 lean meats

## Meat and Meat Substitutes (continued)

Food	Serving Size	Count as
Nut spreads: almond butter, cashew butter, peanut butter, soy nut butter	1 Tbsp	1 high-fat meat
😊 Peas, cooked: black-eyed and split peas	½ cup	1 starch + 1 lean meat
😊 🥫 Refried beans, canned	½ cup	1 starch + 1 lean meat
“Sausage” patties, soy-based	1 (1½ oz)	1 medium-fat meat
Soy nuts, unsalted	¾ oz	½ carb + 1 medium-fat meat
Tempeh	¼ cup	1 medium-fat meat
Tofu	4 oz (½ cup)	1 medium-fat meat
Tofu, light	4 oz (½ cup)	1 lean meat



## Fats

A choice on the fats list has 5 grams of fat and 45 calories. Read the Nutrition Facts on food labels for serving sizes. One fat choice is based on a serving size that has 5 grams of fat.

### Unsaturated Fats—Monounsaturated Fats

Food	Serving Size
Avocado	2 Tbsp (1 oz)
Nut butters ( <i>trans</i> fat-free): almond butter, cashew butter, peanut butter (smooth or crunchy)	1½ tsp
Nuts	
Almonds	6
Brazil	2
Cashews	6
Filberts (hazelnuts)	5
Macadamia	3
Mixed (50% peanuts)	6
Peanuts	10
Pecans	4 halves
Pistachios	16
Oil: canola, olive, peanut	1 tsp
Olives	
Black (ripe)	8 large
Green, stuffed	10 large



## Fats (continued)

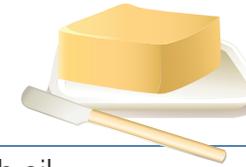
### Polyunsaturated Fats

Food	Serving Size
Margarine: lower fat spread (30%–50% vegetable oil, <i>trans</i> fat-free)	1 Tbsp
Margarine: stick, tub ( <i>trans</i> fat-free), or squeeze ( <i>trans</i> fat-free)	1 tsp
Mayonnaise	1 Tbsp
	1 tsp
Mayonnaise-style salad dressing	1 Tbsp
	2 tsp
Nuts	1 Tbsp
	4 halves
Oil: corn, cottonseed, flaxseed, grape seed, safflower, soybean, sunflower	1 tsp
Oil: made from soybean and canola oil—Enova	1 tsp
Plant stanol esters	1 Tbsp
	2 tsp
Salad dressing	2 Tbsp
	1 Tbsp
Seeds	1 Tbsp
	1 Tbsp
	1 Tbsp
Tahini or sesame paste	2 tsp



### Saturated Fats

Food	Serving Size
Bacon, cooked, regular or turkey	1 slice
Butter	1 Tbsp
	1 tsp
	2 tsp
Butter blends made with oil	1 Tbsp
	1½ tsp
Chitterlings, boiled	2 Tbsp (½ oz)
Coconut, sweetened, shredded	2 Tbsp
Coconut milk	½ cup
	1½ Tbsp
Cream	2 Tbsp
	1 Tbsp
	1½ Tbsp
	2 Tbsp
	¼ cup
Cream cheese	1½ Tbsp (¾ oz)
	1 Tbsp (½ oz)
Lard	1 tsp
Oil: coconut, palm, palm kernel	1 tsp
Salt pork	¼ oz
Shortening, solid	1 tsp
Sour cream	3 Tbsp
	2 Tbsp



## Free Foods

A “free” food is any food or drink choice that has less than 20 calories and **5 grams or less of carb** per serving. Most foods on this list should be limited to 3 servings per day. Spread out the servings throughout the day. If you eat all 3 servings at once, it could raise your blood sugar. Food and drink choices listed here without a serving size can be eaten whenever you like.

### Low-Carb Foods

Food	Serving Size
Cabbage, raw	½ cup
Candy, hard (regular or sugar-free)	1 piece
Carrots, cauliflower, or green beans, cooked	¼ cup
Cranberries, sweetened with sugar substitute	½ cup
Cucumber, sliced	½ cup
Gelatin	
Dessert, sugar-free	
Unflavored	
Gum	
Jam or jelly, light or no sugar added	2 tsp
Rhubarb, sweetened with sugar substitute	½ cup
Salad greens	
Sugar substitutes (artificial sweeteners)	
Syrup, sugar-free	2 Tbsp



### Modified-Fat Foods With Carbs

Food	Serving Size
Cream cheese, fat-free	1 Tbsp (½ oz)
Creamers	
Nondairy, liquid	1 Tbsp
Nondairy, powdered	2 tsp
Margarine spread	
Fat-free	1 Tbsp
Reduced-fat	1 tsp
Mayonnaise	
Fat-free	1 Tbsp
Reduced-fat	1 tsp
Mayonnaise-style salad dressing	
Fat-free	1 Tbsp
Reduced-fat	1 tsp
Salad dressing	
Fat-free or low-fat	1 Tbsp
Fat-free, Italian	2 Tbsp
Sour cream, fat-free or reduced-fat	1 Tbsp
Whipped topping	
Light or fat-free	2 Tbsp
Regular	1 Tbsp

## Free Foods (continued)

### Condiments

Food	Serving Size
Barbecue sauce	2 tsp
Catsup (ketchup)	1 Tbsp
Honey mustard	1 Tbsp
Horseradish	
Lemon juice	
Miso	1½ tsp
Mustard	
Parmesan cheese, freshly grated	1 Tbsp
Pickle relish	1 Tbsp
Pickles	
🍵 Dill	1½ medium
Sweet, bread and butter	2 slices
Sweet, gherkin	¾ oz
Salsa	¼ cup
🍵 Soy sauce, light or regular	1 Tbsp
Sweet and sour sauce	2 tsp
Sweet chili sauce	2 tsp
Taco sauce	1 Tbsp
Vinegar	
Yogurt, any type	2 Tbsp

### Drinks/Mixes

Any food on this list without a serving size listed can be consumed in any moderate amount.

- 🍵 Bouillon, broth, consommé
- Bouillon or broth, low-sodium
- Carbonated or mineral water
- Club soda
- Cocoa powder, unsweetened (1 Tbsp)
- Coffee, unsweetened or with sugar substitute
- Diet soft drinks, sugar-free
- Drink mixes, sugar-free
- Tea, unsweetened or with sugar substitute
- Tonic water, diet
- Water
- Water, flavored, carb-free



### Seasonings

Any food on this list can be consumed in any moderate amount.

- Flavoring extracts (for example, vanilla, almond, peppermint)
- Garlic
- Herbs, fresh or dried
- Nonstick cooking spray
- Pimento
- Spices
- Hot pepper sauce
- Wine, used in cooking
- Worcestershire sauce

## Combination Foods

Many of the foods you eat are mixed together in various combinations, such as casseroles. These “combination” foods do not fit into any one choice list. This is a list of choices for some typical combination foods. This list will help you fit these foods into your meal plan. Ask your RD for nutrient information about other combination foods you would like to eat, including your own recipes.



### Entrees

Food	Serving Size	Count as
 Casserole type (tuna noodle, lasagna, spaghetti with meatballs, chili with beans, macaroni and cheese)	1 cup (8 oz)	2 carbs + 2 medium-fat meats
 Stews (beef/other meats and vegetables)	1 cup (8 oz)	1 carb + 1 medium-fat meat + 0–3 fats
Tuna salad or chicken salad	½ cup (3½ oz)	½ carb + 2 lean meats + 1 fat

### Frozen Meals/Entrees

Food	Serving Size	Count as
  Burrito (beef and bean)	1 (5 oz)	3 carbs + 1 lean meat + 2 fats
 Supper-type meal	Generally 14–17 oz	3 carbs + 3 medium-fat meats + 3 fats
 Entree or meal with less than 340 calories	About 8–11 oz	2–3 carbs + 1–2 lean meats
<b>Pizza</b>		
 Cheese/vegetarian, thin crust	¼ of a 12-inch (4½–5 oz)	2 carbs + 2 medium-fat meats
 Meat topping, thin crust	¼ of a 12-inch (5 oz)	2 carbs + 2 medium-fat meats + 1½ fats
 Pocket sandwich	1 (4½ oz)	3 carbs + 1 lean meat + 1–2 fats
 Pot pie	1 (7 oz)	2½ carbs + 1 medium-fat meat + 3 fats

### Salads (Deli-Style)

Food	Serving Size	Count as
Coleslaw	½ cup	1 carb + 1½ fats
Macaroni/pasta salad	½ cup	2 carbs + 3 fats
 Potato salad	½ cup	1½–2 carbs + 1–2 fats

## Combination Foods (continued)

### Soups

Food	Serving Size	Count as
Bean, lentil, or split pea	1 cup	1 carb + 1 lean meat
Chowder (made with milk)	1 cup (8 oz)	1 carb + 1 lean meat + 1½ fats
Cream (made with water)	1 cup (8 oz)	1 carb + 1 fat
Instant With beans or lentils	6 oz prepared 8 oz prepared	1 carb 2½ carbs + 1 lean meat
Miso soup	1 cup	½ carb + 1 fat
Oriental noodle	1 cup	2 carbs + 2 fats
Rice (congee)	1 cup	1 carb
Tomato (made with water)	1 cup (8 oz)	1 carb
Vegetable beef, chicken noodle, or other broth-type	1 cup (8 oz)	1 carb



## Fast Foods

The choices in this list are not specific fast food meals or items, but are estimates based on popular foods. Ask the restaurant or check its Web site for nutrition information about your favorite fast foods.

### Key to symbols



= More than 3 grams of dietary fiber per serving.



= Extra fat or prepared with added fat.



= 600 milligrams or more of sodium per serving  
(for fast food main dishes/meals).

### Breakfast Sandwiches

Food	Serving Size	Count as
 Egg, cheese, meat, English muffin	1 sandwich	2 carbs + 2 medium-fat meats
 Sausage biscuit sandwich	1 sandwich	2 carbs + 2 high-fat meats + 3½ fats

## Fast Foods (continued)

### Main Dishes/Entrees

Food	Serving Size	Count as
  Burrito (beef and beans)	1 (about 8 oz)	3 carbs + 3 medium-fat meats + 3 fats
 Chicken breast, breaded and fried	1 (about 5 oz)	1 carb + 4 medium-fat meats
Chicken drumstick, breaded and fried	1 (about 2 oz)	2 medium-fat meats
Chicken nuggets	6 (about 3½ oz)	1 carb + 2 medium-fat meats + 1 fat
 Chicken thigh, breaded and fried	1 (about 4 oz)	½ carb + 3 medium-fat meats + 1½ fats
 Chicken wings, hot	6 (5 oz)	5 medium-fat meats + 1½ fats



### Oriental

Food	Serving Size	Count as
 Beef/chicken/shrimp with vegetables in sauce	1 cup (about 5 oz)	1 carb + 1 lean meat + 1 fat
 Egg roll, meat	1 (about 3 oz)	1 carb + 1 lean meat + 1 fat
 Fried rice, meatless	½ cup	1½ carbs + 1½ fats
 Meat and sweet sauce (orange chicken)	1 cup	3 carbs + 3 medium-fat meats + 2 fats
  Noodles and vegetables in sauce (chow mein, lo mein)	1 cup	2 carbs + 1 fat

### Pizza

Food	Serving Size	Count as
Pizza		
 Cheese, pepperoni, regular crust	⅛ of a 14-inch (about 4 oz)	2½ carbs + 1 medium-fat meat + 1½ fats
 Cheese/vegetarian, thin crust	¼ of a 12-inch (about 6 oz)	2½ carbs + 2 medium-fat meats + 1½ fats

## Fast Foods (continued)

### Sandwiches

Food	Serving Size	Count as
 Chicken sandwich, grilled	1	3 carbs + 4 lean meats
 Chicken sandwich, crispy	1	3½ carbs + 3 medium-fat meats + 1 fat
Fish sandwich with tartar sauce	1	2½ carbs + 2 medium-fat meats + 2 fats
Hamburger  Large with cheese	1	2 carbs + 4 medium-fat meats + 1 fat
Regular	1	2½ carbs + 1 medium-fat meat + 1 fat
 Hot dog with bun	1	1 carb + 1 high-fat meat + 1 fat
Submarine sandwich  Less than 6 grams fat	6-inch sub	3 carbs + 2 lean meats
 Regular	6-inch sub	3½ carbs + 2 medium-fat meats + 1 fat
Taco, hard or soft shell (meat and cheese)	1 small	1 carb + 1 medium-fat meat + 1½ fats

### Salads

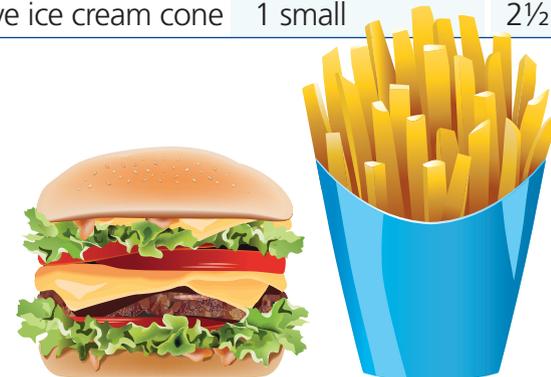
Food	Serving Size	Count as
  Salad, main dish (grilled chicken type, no dressing or croutons)	Salad	1 carb + 4 lean meats
Salad, side, no dressing or cheese	Small (about 5 oz)	1 vegetable

### Sides/Appetizers

Food	Serving Size	Count as
 French fries, restaurant style	Small Medium Large	3 carbs + 3 fats 4 carbs + 4 fats 5 carbs + 6 fats
 Nachos with cheese	Small (about 4½ oz)	2½ carbs + 4 fats
 Onion rings	1 serving (about 3 oz)	2½ carbs + 3 fats

### Desserts

Food	Serving Size	Count as
Milkshake, any flavor	12 oz	6 carbs + 2 fats
Soft-serve ice cream cone	1 small	2½ carbs + 1 fat

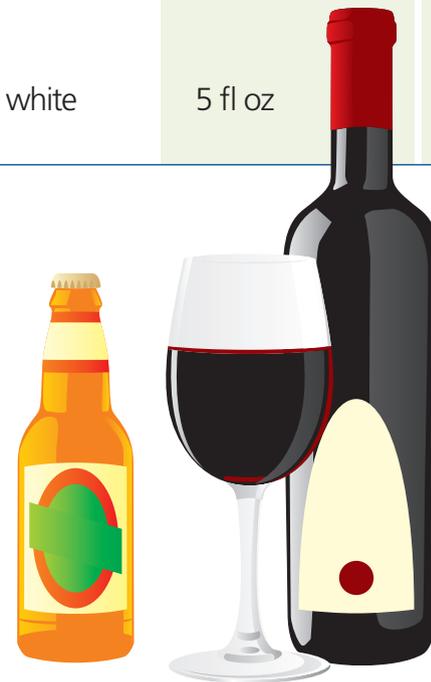


# Alcohol

- In general, 1 alcohol choice (½ oz absolute alcohol) has about 100 calories
- If you choose to drink alcohol, you should limit it to 1 drink or less per day for women, and 2 drinks or less per day for men
- To reduce your risk of low blood sugar, especially if you take insulin or a diabetes pill that increases insulin, always drink alcohol with food
- While alcohol, by itself, does not directly affect blood sugar, be aware of the carbs (for example, in mixed drinks, beer, and wine) that may raise your blood sugar
- Check with your RD if you would like to fit alcohol into your meal plan



Alcoholic Beverage	Serving Size	Count as
Beer		
Light (4.2%)	12 fl oz	1 alcohol equivalent + ½ carb
Regular (4.9%)	12 fl oz	1 alcohol equivalent + 1 carb
Distilled spirits: vodka, rum, gin, whiskey 80 or 86 proof	1½ fl oz	1 alcohol equivalent
Liqueur, coffee (53 proof)	1 fl oz	½ alcohol equivalent + 1 carb
Sake	1 fl oz	½ alcohol equivalent
Wine		
Dessert (sherry)	3½ fl oz	1 alcohol equivalent + 1 carb
Dry, red or white (10%)	5 fl oz	1 alcohol equivalent



## 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 keep a food diary for 3 days and discuss it with my dietitian.</i>			
When I will start:	<i>I will start this coming Monday.</i>			
How I will start:	<i>I will get a pocket-sized notebook that I can carry with me.</i>			
How I will continue:	<i>I will write down everything I eat or drink and show my lists to my dietitian.</i>			
My barriers:	<i>I sometimes forget what I've eaten within a few hours after I eat it.</i>			
How I will overcome barriers:	<i>I will write down everything I eat or drink right after each meal and snack so that it will be fresh in my mind.</i>			

# Food exchange lists index

## A

Acidophilus milk 37  
 Almond butter 52, 53  
 Almond extract 59  
 Almonds 53  
 Amaranth 45  
 American cheese 50  
 Angel food cake 40  
 Animal crackers 31  
 Apple juice/cider 35  
 Apples 33  
 Applesauce 33  
 Apricots 33  
 Artichoke 45  
 Artichoke hearts 45  
 Artificial sweeteners 56  
 Asparagus 45  
 Avocado 53

## B

Baby corn 45  
 Bacon 50, 55  
 "Bacon" strips, soy-based 51  
 Bagels 28  
 Baked beans 32, 51  
 Bamboo shoots 45  
 Banana 33  
 Banana nut bread 43  
 Barbecue sauce 43  
 Barley 29  
 Bean soup 62  
 Bean sprouts 45  
 Beans 32, 45, 46, 51, 52  
 Beef 47, 49, 65  
 Beef jerky 47  
 "Beef" or "sausage" crumbles, soy-based 51  
 Beef tongue 49  
 Beer 69  
 Beets 45  
 Black beans 32, 51  
 Blackberries 33  
 Black-eyed peas 32, 52

Bleu cheese 50

Blueberries 33  
 Bok choy 45  
 Bologna 50  
 Borscht 45  
 Bouillon 59  
 Bran 29  
 Bratwurst 50  
 Brazil nuts 53  
 Bread 28  
 Breakfast sandwiches 63  
 Brie cheese 50  
 Broccoli 45  
 Broth 59, 62  
 Brownie 40  
 Brussels sprouts 45  
 Buffalo 48  
 Bulgur 29

Burrito 61, 64

Butter 53, 55  
 Butter blends made with oil 55  
 Buttermilk 37

## C

Cabbage 45, 56  
 Cake 40  
 Canadian bacon 48  
 Candy bar 42  
 Candy, hard 42, 56  
 Canola oil 53  
 Cantaloupe 33  
 Carbonated water 59  
 Carrots 45, 56  
 Cashew butter 52, 53  
 Cashews 53  
 Cassava 30  
 Casseroles 60  
 Catsup (ketchup) 58  
 Cauliflower 45, 56  
 Celery 45  
 Cereals 29  
 Chapatti 28

Chayote 45

Cheddar cheese 50  
 Cheese 47, 49, 50, 63  
 Cherries 33  
 Chicken 48, 49, 64, 65  
 Chicken breast breaded/fried 64  
 Chicken drumstick breaded/fried 64  
 Chicken noodle soup 62  
 Chicken nuggets 64  
 "Chicken" nuggets, soy-based 51  
 Chicken salad 60  
 Chicken sandwich 66  
 Chicken thigh, breaded/fried 64  
 Chicken wings, hot 64  
 Chinese cabbage 45  
 Chinese spinach 45  
 Chipped beef 48  
 Chitterlings 55  
 Chocolate chip cookies 41  
 Chocolate "kisses" 42  
 Chocolate milk 38  
 Chocolate syrup 42  
 Chorizo sausage 50  
 Chow mein 65  
 Chowder 62  
 Clams 48  
 Club soda 59  
 Cocoa powder 59  
 Coconut 55  
 Coconut milk 55  
 Coconut oil 55  
 Cod 48  
 Coffee 59  
 Coffee creamer 42  
 Coleslaw 45, 61  
 Congee 62  
 Consommé 59  
 Cookie, sandwich 41  
 Cookies 41  
 Corn 30

Corn oil 54

Corned beef 49  
 Cornish hen 48  
 Cottage cheese 47  
 Cottonseed oil 54  
 Couscous 29  
 Crab 48  
 Crackers 31  
 Cranberries 33, 56  
 Cranberry juice cocktail 40  
 Cranberry sauce 43  
 Cream 55  
 Cream cheese 55, 57  
 Cream soup 62  
 Creamers 42, 57  
 Cucumber 45, 56  
 Cupcake 41  
 Custard pie 41

## D

Danish 43  
 Dates 33  
 Distilled spirits 69  
 Doughnuts 43  
 Dove 49  
 Dried fruits 33  
 Drink mixes 59  
 Duck 48, 49

## E

Edamame 51  
 Egg 49  
 Egg roll 65  
 Egg substitutes 47  
 Egg whites 47  
 Eggnog 38  
 Eggplant 45  
 Energy drink 40  
 English muffin 28, 63  
 English walnuts 54  
 Enova 54  
 Evaporated milk 37

## F

Falafel 51  
 Feta cheese 49

Figs 33

Filberts (hazelnuts) 53  
 Fish 48, 49  
 Fish, fried 49  
 Fish sandwich 66  
 Flavoring extracts 59  
 Flaxseed 54  
 Flaxseed oil 54  
 Flounder 48  
 French fries 30, 67  
 Fried rice 65  
 Frozen meals 61  
 Frozen pops 44  
 Fruit cobbler 41  
 Fruit cocktail 34  
 Fruit drink 40  
 Fruit juice 35  
 Fruit juice bars, frozen 44  
 Fruit snacks, chewy 42  
 Fruit spreads 42

## G

Game 48  
 Garbanzo beans 32, 51  
 Garlic 59  
 Gelatin 41, 56  
 Gin 69  
 Gingersnaps 41  
 Goat cheese 50  
 Goat's milk 37  
 Goose 48, 49  
 Gourds 45  
 Graham cracker 31  
 Granola 29  
 Granola or snack bars 44  
 Grape juice 35  
 Grape seed oil 54  
 Grapefruit 34  
 Grapefruit juice 35  
 Grapes 34  
 Gravy 43

Green beans 45, 56  
 Green onions 46  
 Greens (collard, kale, mustard, turnip) 46  
 Grits 29  
 Ground beef 49  
 Ground turkey 49

Gum 56

## H

Haddock 48  
 Halibut 48  
 Ham 48  
 Hamburger 66  
 Hamburger bun 28  
 Hazelnuts 53  
 Heart 48  
 Hearts of palm 46  
 Herbs 59  
 Herring 48  
 Hominy 30  
 Honey 42  
 Honey mustard 58  
 Honeydew melon 34  
 Horseradish 58  
 Hot chocolate 40  
 Hot dog 48, 50, 66  
 Hot dog bun 28  
 Hot dog, soy-based 51  
 Hot pepper sauce 59  
 Hummus 51

## I

Ice cream 44, 67  
 Imitation shellfish 48  
 Instant soup 62  
 Italian beans 45  
 Italian sausage 50

## J

Jam or jelly 42, 56  
 Jicama 46

## K

Kasha 29  
 Kefir 37  
 Kidney 48  
 Kidney beans 32, 51  
 Kiwi 34  
 Knockwurst 50  
 Kohlrabi 46

## L

Lactaid 37  
 Lamb 48, 49  
 Lard 55  
 Leeks 46  
 Lemon juice 58  
 Lemonade 40

Lentil soup 62

Lentils 32, 51  
 Lima beans 32, 51  
 Liqueur, coffee 69  
 Liver 48  
 Lo mein 65  
 Lobster 48  
 Lox 48

## M

Macadamia nuts 53  
 Macaroni salad 61  
 Mandarin oranges 34  
 Mango 34  
 Margarine 54, 57  
 Matzoh 31  
 Mayonnaise 54, 57  
 Mayonnaise-style salad dressing 54, 57  
 Meal replacement bar 44  
 Meal replacement shake 44  
 Meat and sweet sauce (orange chicken) 65  
 Meatless burger, soy-based 51  
 Meatless burger, vegetable and starch-based 51

Meatloaf 49  
 Melba toast 31  
 Milk 37, 38  
 Milkshake 67  
 Millet 29  
 Mineral water 59  
 Miso 58  
 Miso soup 62  
 Mixed nuts 53  
 Mixed vegetables 30, 46  
 Monterey jack cheese 50  
 Mozzarella cheese 49  
 Muesli 29  
 Muffin 43  
 Muffins, egg, cheese, meat 63  
 Mung bean sprouts 46  
 Mushrooms 46  
 Mustard 58

## N

Naan 28  
 Nachos 67  
 Navy beans 32, 51  
 Nectarine 34  
 Nonstick cooking spray 59  
 Nut spreads 52  
 Nuts 54

## O

Oil 53, 54, 55  
 Okra 46  
 Olive oil 53  
 Olives 53  
 Onion rings 67  
 Onions 46  
 Orange 34  
 Orange chicken 65  
 Orange juice 35  
 Orange roughy 48  
 Orange juice 35  
 Organ meats 48  
 Oriental noodle soup 62  
 Oriental radish 46  
 Ostrich 48  
 Oyster crackers 31  
 Oysters 48

## P

Palm kernel oil 55  
 Palm oil 55  
 Pancake 28  
 Papaya 34  
 Parmesan cheese 58  
 Parsnips 30  
 Pasta 29, 30  
 Pasta salad 61  
 Pasta sauce 30  
 Pasteurized processed cheese spread 49  
 Pastrami 50  
 Pea pods 46  
 Peaches 34  
 Peanut butter 52, 53  
 Peanut oil 53  
 Peanuts 53  
 Pears 34  
 Peas 30, 32, 52  
 Pecans 53

- Peppermint extract 59
- Peppers 46
- Pheasant 49
- Pickle relish 58
- Pickles 58
- Pie, fruit, 2 crusts 41
- Pignolia (pine nuts) 54
- Pimento 59
- Pine nuts 54
- Pineapple 34
- Pineapple juice 35
- Pinto beans 32, 51
- Pistachios 53
- Pita 28
- Pizza 61, 65
- Plant stanol esters 54
- Plantains 30
- Plums 35
- Pocket sandwich 61
- Polenta 29
- Polish sausage 50
- Popcorn 31
- Pork 48, 49, 50
- Pork spareribs 50
- Pot pie 61
- Potato chips 31
- Potatoes 30
- Potato salad 61
- Poultry 48, 49
- Pretzels 31
- Processed sandwich meats 48, 50
- Prune juice 35
- Prunes 35
- Pudding 41
- Pumpkin, canned 30
- Pumpkin pie 41
- Pumpkin seeds 54
- Q**
- Queso 50
- R**
- Rabbit 48
- Radishes 46
- Raisins 33
- Raspberries 35
- Refried beans 32, 52
- Rhubarb 56
- Rice, brown 29, 32
- Rice cakes 31
- Rice drink 38
- Rice soup 62
- Rice, white 29
- Ricotta cheese 49
- Roll 28
- Rum 69
- Rutabagas 46
- S**
- Safflower oil 54
- Sake 69
- Salad 32, 67
- Salad dressing 43, 54, 57
- Salad greens 56
- Salami 50
- Salmon 48
- Salsa 58
- Salt pork 55
- Sandwiches 66
- Sardines 48
- Sauerkraut 46
- Sausage 48, 49, 50
- Sausage biscuit sandwich 63
- “Sausage” patties, soy-based 52
- Scallions 46
- Scallops 48
- Sesame paste 54
- Sesame seeds 54
- Shellfish 48
- Sherbet 44
- Short ribs 49
- Shortening 55
- Shrimp 48, 65
- Smoked sausage 50
- Smoothies 38
- Snack chips 31
- Soft drinks, diet 59
- Soft drinks, regular 40
- Sorbet 44
- Soup 62
- Sour cream 55, 57
- Soy milk 38
- Soy nut butter 52
- Soy nuts 52
- Soy sauce 58
- Soybean oil 54
- Soybean sprouts 46
- Spaghetti sauce 30
- Spices 59
- Spinach 46
- Split pea soup 62
- Split peas 32, 52
- Sports drink 40
- Squash  
summer, crookneck, zucchini 46
- Squash, winter 30
- Stews 32, 60
- Strawberries 35
- String cheese 49
- Submarine sandwich 66
- Succotash 30
- Sugar 42
- Sugar snap peas 46
- Sugar substitutes (artificial sweeteners) 56
- Summer sausage 50
- Sunflower oil 54
- Sunflower seeds 54
- Sweet and sour sauce 43, 58
- Sweet chili sauce 58
- Sweet potato 30
- Sweet roll 43
- Swiss chard 46
- Swiss cheese 50
- Syrup, pancake 42
- Syrup, sugar-free 56
- T**
- Tabbouleh (tabouli) 29
- Taco 66
- Taco sauce 58
- Taco shell 28
- Tahini 54
- Tangerines 35
- Tea 59
- Tempeh 52
- Tilapia 48
- Tofu 52
- Tomato 46
- Tomato sauce 46
- Tomato soup 62
- Tomato/vegetable juice 46
- Tomatoes, canned 46
- Tonic water 59
- Tortilla chips 31
- Tortilla, corn 28
- Tortilla, flour 28
- Trail mix 44
- Trout 48
- Tuna 48
- Tuna salad 60
- Turkey 48, 49
- Turkey ham 48
- Turkey kielbasa 48
- Turkey pastrami 48
- Turnips 46
- V**
- Vanilla extract 59
- Vanilla wafer 41
- Veal 48, 49
- Vegetable beef soup 62
- Venison 48
- Vinegar 58
- Vodka 69
- W**
- Waffle 28
- Walnuts 54
- Water 59
- Water chestnuts 46
- Water, flavored 59
- Watermelon 35
- Wax beans 45
- Wheat germ 29
- Whipped topping 57
- Whiskey 69
- White beans 32, 51
- Wild rice 29, 32
- Wine 69
- Wine, cooking 59
- Worcestershire sauce 59
- Y**
- Yam 30
- Yard-long beans 46
- Yogurt 37, 38, 58
- Yogurt, frozen 44
- Z**
- Zucchini 46



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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?
 

<b>Not at all managed</b>	<b>Somewhat managed</b>	<b>Extremely well managed</b>
<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	<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.”
 

<b>Totally disagree</b>	<b>Neither agree nor disagree</b>	<b>Totally agree</b>
<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	<input type="checkbox"/> 11

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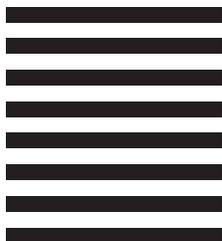
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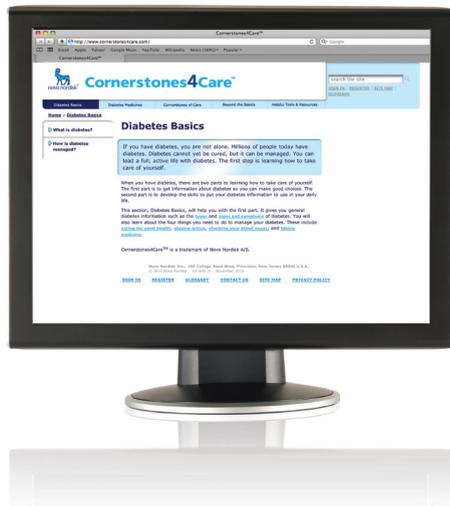
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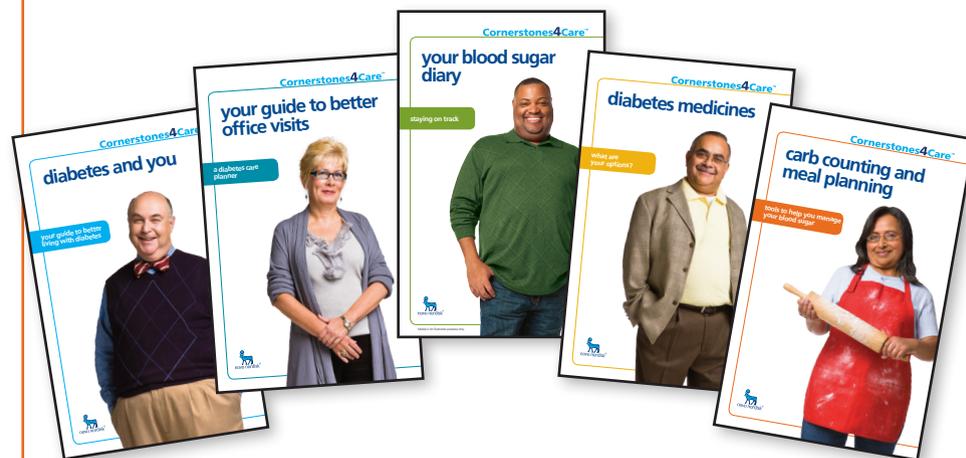


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- diabetes and you
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