

## Eating Healthy and Diabetes:

You can take good CARE of yourself and your diabetes by learning:

- WHAT to eat
- HOW much to eat
- WHEN to eat

Making wise food choices can help you feel good every day, lose weight if you need to, lower your risk of heart disease (or a stroke) and other problems caused by diabetes.

## Icons Explained:

Fiber - Increasing fiber intake will help control you appetite, improve your blood sugar and helps with weight loss.

Sodium - Controlling sodium intake helps lower your blood pressure.

Heart Healthy Facts Foods that help lower cholesterol.

## Diabetes Education

CARBOHYDRATE COUNTING means keeping track of the amount of carbohydrates you eat every day. Carbohydrates are found in breads and starches, dairy products, fruits, vegetables, sugars, and sweets. Carbohydrates become blood sugar (glucose) in your body after you eat. You may PREVENT kidney, eye, nerve, or heart problems by keeping your blood sugar within normal range diabetes.

## Carbohydrate Counting

## Carbohydrate Counting Diet:

People with diabetes may eat small amounts of food that contain carbohydrate (starches). But, these foods must be included in the carbohydrate amounts allowed for each meal or snack. To control blood sugar, a person with diabetes must eat certain amounts of carbohydrates at the same time each day.

1. One serving of a carbohydrate food contains 12 to 15 grams of carbohydrate. A Carbohydrate Food may be a fruit, dairy product, or a bread or starch serving in the amounts listed below.
2. Vegetables contain only 5 grams of carbohydrate per serving. Do not count vegetables as carbohydrates unless you eat more than 2 servings per meal.
3. Meat, meat substitutes, and fats are NOT counted as carbohydrates.

## Carbohydrate Intake:

- Your dietitian will explain when and how many carbohydrate servings or grams you can eat during the day. ASK your caregiver for a diabetic meal plan to learn more about serving sizes.
- Talk with your caregiver if your blood sugar levels are too low or too high. Make sure your cholesterol and other blood lipids (fats) are checked at least once a year. You may need to follow a low fat diet if they are too high.
- CHECK with your dietitian before changing the amount of carbohydrate you eat at each meal. Ask your dietitian or caregiver before eating the following foods with added sugar, corn syrup, honey (molasses), maple syrup or jams and jellies.
- READ the labels of packaged foods to find out how many grams of carbohydrate a serving has in it. Make sure you also eat nonsweetened foods with your meals, if you eat foods or drink liquids that contain sugar.


TIP: About Fiber

Fiber is part of plant foods
that is NOT digested.
Dried beans such as kidney or pinto beans, fruits, vegetables and grains are all good sources of fiber. The recommendation is to eat 25-30 grams of fiber per day.

People with diabetes need the same amount of fiber as everyone else.

## Carbohydrate Counting

## Carbohydrates Counting:

The lists on the following pages tell you how much carbohydrate is in each food group. Try to stick to the amount that is on the food list.

Serving Sizes: Use the list below to measure foods and serving sizes. A serving size means the size of food after it is cooked or prepared.
$\checkmark 1$ pint or 2 cups ( 16 fluid ounces) of liquid is the size of $1-1 / 3$ soda-pop cans.
$\checkmark 1 \frac{1}{2}$ cup ( 12 fluid ounces) of liquid is the size of a soda-pop can.
$\checkmark 1$ cup of food is the size of a large handful, or 8 fluid ounces of liquid.
$\checkmark 1 / 2$ cup of food is about half of a large handful, or 4 fluid ounces of liquid.
$\checkmark 2 \mathrm{Tbsp}$ is about the size of a large walnut.
$\checkmark 1$ Tbsp is about the size of the tip of your thumb (from last crease).
$\checkmark 1 \mathrm{tsp}$ is about the size of the tip of your little finger (from last crease).
$\checkmark 3$ ounces of cooked meat, fish, or poultry is about the size of a deck of cards.
$\checkmark 1$ ounce of cooked meat, fish, or poultry is about $1 / 4$ cup.
$\checkmark$ One ounce of hard cheese is about a 1 inch cube.
$\checkmark$ A serving of vegetables is $1 / 2$ cup ( $1 / 2$ handful) cooked, or 1 cup ( 1 handful) raw.

## Other Concerns:

- DO NOT eat too much protein or fat because they can increase your risk of kidney or heart disease.
- Choose high fiber foods to help control your blood sugar. Examples of high fiber foods are fresh fruits and vegetables, whole grain breads, cooked dried beans, and bran cereals.
- Increase your activity level to help control your blood sugar levels. Tell your dietitian about your exercise plan so your diet can be adjusted to keep your blood sugar normal.


Call Your Caregiver If You Have Questions...

- About the Serving Sizes on this diet.
- About HOW to prepare or cook foods on this diet.
- About HOW or WHERE to buy foods on this diet.
- About your illness, medicine or diet.


## Diabetes Education

## Carbohydrate Counting

## Sample Menu 1200 Calorie Diet:

A sample of a 1200 calorie diet is shown below:
Breakfast: 3 carbohydrate servings, or 42 grams carbohydrate:
(2) 1 bread or starch, like $3 / 4$ cup bran flakes cereal, 15 carbs

- 1 fruit, like 1 small banana ( 5 inch) or $1 / 2$ of a 9 inch banana, 15 carbs
- 1 milk, like 1 cup skim or $1 \%$ milk, 12 carbs
- 1 meat or meat substitute, like $1 / 4$ cup cottage cheese or 1 poached egg. DO NOT eat more than 3 eggs a week.
- 1 fat, like 1 tsp. margarine

Lunch: $2^{1} / 3$ carbohydrate servings, or the following foods can be combined to make a tuna salad, or 37 grams carbohydrate:
$\boldsymbol{P} \cdot 1$ ounce meat or meat substitute, like $1 / 4$ cup water-packed drained tuna

- 1 fat, like 1 tsp regular mayonnaise or 2 tsp LOWFAT mayonnaise
(2) - 1 vegetable, like $1 / 2$ cup chopped celery with 1 lettuce leaf and 1 slice tomato
- 1 bread or starch, like 1 slice bread, 15 carbs
(3) $\cdot 1$ fruit, like 1 medium orange ( $15 \times 1.5$ carbs), 22 carbs
- 1 free food, like 12 ounces diet soda

Afternoon Snack: 15 grams carbohydrate:

- 1 bread, like three $2 \frac{1}{2}$ inch square graham crackers, 15 carbs

Dinner: 3 carbohydrate servings, or 47 grams carbohydrate:

- 2 ounces meat or meat substitute, like 2 ounces lean chicken breast
- 1 starch, like $1 / 3$ cup cooked pasta, 15 carbs
- 1 fruit, like $1-1 / 4$ cup melon cubes, 15 carbs
- 1 milk, like 1 cup skim milk, 12 carbs
(1) - 1 vegetable, like 1 cup steamed broccoli, 5 carbs
- 1 fat, like 1 tsp. margarine

Evening Snack: 1 carbohydrate serving, or 15 grams carbohydrate:

- 1 fruit, like $1 / 2$ cup canned sugar-free fruit, 15 carbs


Icons explained more on first page
(1) 3 Grams Fiber
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Know Your ABC's of Diabetes:
(reach Your GOALS)
A) $\sqrt{\text { EVERY 3-6 MONTHS }}$

- A1c: Below 7\%

B $V_{\text {EVERY VISIT }}$

- Blood Pressure:

Below $130 / 80 \mathrm{mmHg}$
C) $J$ ONCE A YEAR

- Cholesterol:

LDL: Below $100 \mathrm{mg} / \mathrm{dL}$ HDL: Above $40 \mathrm{mg} / \mathrm{dL}$ for Men \& Above $50 \mathrm{mg} / \mathrm{dL}$ for Women

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## Blood Glucose

 Targets:- Fasting, $90-130 \mathrm{mg} / \mathrm{dL}$
- 2 Hours after eating, Less Than $180 \mathrm{mg} / \mathrm{dL}$


## Carbohydrate Counting

## Sample Menu 1600 Calorie Diet:

## Carbobohydrate and Combination Foods and Serving Sizes:

1. Breads and Starches: Each serving contains 15 grams carbohydrate. Eat 5 SERVINGS per day from this list. Most people need 5-8 servings per day.

- 1 slice bread (1 ounce)
- $1 / 3$ cup cooked pasta or rice
- Green peas
- $1 / 2$ cup cooked rice, dried beans, or dried peas
- $3 / 4$ cup flake cereal
- $1 / 2$ hamburger or hot dog bun, English muffin, or frozen bagel
- 3 cups air-popped popcorn
- 1 small (3 inch) potato
- 2 rice cakes
- 6 saltines or three ( $21 / 2$ inch squares) graham crackers
- $1 / 2$ cup of any casserole, like tuna or chicken noodle, macaroni and cheese, chili with meat, or spaghetti and meat sauce
- 1 cup bean, tomato, or vegetable soup
- $1 / 8$ of a 10 -inch pizza
- $1 / 2$ of a store-bought pot pie, like chicken, turkey, or beef
- One 3 ounce taco

2. Fruits: Each serving contains 15 grams carbohydrate. Eat 2 SERVINGS per day from this list.
Most people need 2-4 servings per day.

- $1 / 2$ cup apple, orange, or grapefruit juice
(2) - 1 small ( $2 \frac{1}{2}$ inch) apple, peach, or orange
- $1 / 2$ cup applesauce or canned fruit
(2) • $3 / 4$ cup fresh blueberries
- $1 / 3$ cup cranberry juice cocktail, grape juice, or prune juice
- 15 small grapes or 12 large grapes
- 1 kiwi fruit
(1) • $1 / 2$ large pear or fresh grapefruit
- 2 Tbsp raisins or $1 / 4$ cup dried fruit
(2) - 1-1/4 cup fresh strawberries or melon cubes

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or visit us @
www.BetterLivingNow.com


## Good To Know：

－Fruit，popcorn，bread， biscuits，crackers，cake， yogurt and potato／rice／ corn based snacks are HIGH carbohydrate foods
－Eating too many carbohydrate snacks may raise blood glucose levels above desirable levels
－Morning and afternoon snacks may not be necessary，ASK your dietitian
－Try mini or bite sized bars as a snack rather than full sized bars
－Chips，corn chips，other
fried snacks，$R E D U C E D$ cream and sour cream dips，pies and pastries are high in fat and calories

## Diabetes Education Carbohydrate Counting

## Sample Menu 1600 Calorie Diet（cont．）：

3．Dairy：Each serving contains 12 grams carbohydrate．Eat or drink 2 SERVINGS per day from this list．Most people need 2－3 servings per day．
－ $1 / 2$ cup sugar－free custard，pudding，or evaporated milk
－ 1 cup milk $1 \%$ or skim or sugar－free yogurt
－ $1 / 3$ cup nonfat milk powder

4．Vegetables：Each serving contains 5 grams carbohydrate．Only count a vegetable as carbohydrate if you have more than 2 servings per meal．Eat $\mathbf{3}$ SERVINGS per day from this list．Most people need 2－4 servings per day．
－ 2 Tbsp tomato sauce
日． 1 cup vegetable or tomato juice
（4）• $1 / 2$ cup cooked vegetables or 1 cup raw vegetables

## Non－Carbohydrate Foods to INCLUDE in Your Diet：

5．Meat／Meat Substitutes：The foods on this list do not count as carbohydrates．Eat 5 SERVINGS per day from this list．Most people need 2－3 servings per day．
－ $1 / 2$ cup cottage cheese
（2） $1 / 1 / 2$ cup cooked dried beans
－ 1 to 2 oz low fat cheese
－ 1 large egg（Limit eggs to 2 or 3 per week．）
ค． 2 to 3 oz cooked lean meat，fish，poultry
ค． 2 Tbsp peanut butter
6．Fats：The foods on this list do not count as carbohydrates．Eat 1－2 SERVINGS per day from this list．Most people need
1－3 servings per day．
ロー 6 almonds or 10 small peanuts
ค•1／8 avocado
ゆ・1 teaspoon canola or olive oil
ค•6 small olives
－ 2 Tbs．low calorie salad dressing
－1Tbsp regular salad dressing
－ 1 teaspoon margarine
（1） 3 GRams Dietary Fiber
O Heart Healthy Fats
$\square 400 \mathrm{mg}$ Sodium


## Did You Know:

- Chocolate (including 'diabetic' chocolate) and carob are HIGH in fat and calories
- Diabetic sweets may contain sorbitol or fructose, which, if eaten in large amounts, may cause stomach cramps and diarrhea.
- Lollipops, chocolates, roll-ups, dried fruit and muesli bars are all high carbohydrate foods and can RAISE blood glucose levels above desirable, especially when eaten as extras


## Carbohydrate Counting

## Popcorn Recipes:

We love popcorn and wish to share some interesting ways to season it without adding calories or fat. You'll need a hot-air popper to make the popcorn (or you can use a popper that calls for 1 teaspoon of canola oil, that adds a fat exchange). Using 3 cups unseasoned popped corn, 1 carbohydrate exchange, you can make these treats:

Italian Popcorn: Preheat oven to $300^{\circ} \mathrm{F}\left(150^{\circ} \mathrm{C}\right.$, Gas Mark 2). Spread popcorn on a nonstick cookie sheet and lightly coat with refrigerated butter-flavored cooking spray. Mix together 1 tsp crushed dried Italian herbs, $1 / 8$ tsp cayenne pepper, and 1 teaspoon grated Parmesan cheese. Sprinkle over popcorn and lightly coat again with cooking spray. Toss. Bake for 10 minutes, tossing once. Serve warm.
$\checkmark$ Mexican Popcorn: Put the popcorn in a large bowl and lightly coat with refrigerated butter-flavored cooking spray. Combine 1 Tbsp dried Mexican spiced salad dressing mix with $1 / 4$ tsp crushed dried oregano, $1 / 4$ tsp crushed dried thyme, and $1 / 4$ tsp garlic powder. Sprinkle over popcorn. Toss to evenly coat. Lightly coat with additional cooking spray. Toss again and serve.
$\checkmark$ Spicy and Sweet Popcorn: Preheat oven to $300^{\circ} \mathrm{F}\left(150^{\circ} \mathrm{C}\right.$, Gas Mark 2). Spread popcorn on a nonstick cookie sheet and lightly coat with refrigerated butter-flavored cooking spray. Combine $2^{1 / 2}$ Tbsp spoonable sugar substitute, $1 / 4$ tsp ground cinnamon, $1 / 8$ tsp ground nutmeg and $1 / 4$ tsp dried orange peel. Sprinkle over the popcorn and toss. Lightly coat again with cooking spray and toss. Bake for 10 minutes, tossing once. Serve warm.

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Know Your ABC's of Diabetes:
(reach Your GOALS)

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O) Blood Glucose Targets:

- Fasting, $90-130 \mathrm{mg} / \mathrm{dL}$
- 2 Hours after eating, Less Than $180 \mathrm{mg} / \mathrm{dL}$


## Diabetes Education Carbohydrate Counting

## Counting Carbohydrates:

When first diagnosed with diabetes it is IMPORTANT to become familiar with the amount of carbohydrate in the foods you eat. Most adults need between 30 to 60 grams of carbohydrates at each meal. Most of those carbohydrates come from complex carbohydrates in the grains and starch food groups such as bread, potatoes, cereals and rice. The other food groups where carbohydrates count are fruit and certain dairy such as milk and yogurt. It is important to note that the "total carbohydrate" includes the dietary fiber, sugars and any sugar alcohols listed below. In other words, the fiber, sugars, etc. are not counted separately.

In this example (section D), a 1 cup serving of cereal contains 25 grams of carbohydrate. You would add this number to any other carbohydrates you might have at that same meal. So if you also have 1 cup of milk, this contains 12 grams of carbohydrate. Your total at that meal so far is 37 grams of carbohydrate. Add to this 1 small 6 inch banana, that has 15 grams of carbohydrate.

## Your total at this meal is:

$25+12+15=52$ grams of carbohydrate.
nutrition label



## Snacks, A Healthy Necessity in a Diabetic Diet:

Here's a list of snacks that can be purchased at most supermarkets calculated to supply 12 to 15 grams of carbohydrate exchange.

Know Your ABC's of Diabetes:
(Reach Your GOALS)

## A

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## Carbohydrate Counting

## Portion FOOD ITEM <br> Portion FOOD ITEM

Diabetic-Lifestyle Cooking Tips features useful ways to cook with more flavor, using less fat, salt and sugar.

| 1 | Small apple 1 | Small orange |  |
| :--- | :--- | :--- | :--- | :--- |
| 8 | Animal crackers | 1 | Small peach |



## Southern Cuisine:

1,600: 100\% RDA met for all nutrients except: Vit E 97\%, Magnesium 98\%, Iron 78\% and Zinc 90\%

1,200: 100\% RDA met for all nutrients except: Vit E 82\%, Vit B1 \& B2 95\%, Vit B3 99\%, Vit B6 88\%, Magnesium 83\% and Iron 56\%

## Calories 1,653:

Total Carb, \% kcals: 53
Total Fat, \% kcals: 28
Sodium, mg*: 1,231
SFA, \% kcals+: $\quad 8$
Cholesterol, mg: 172
Protein, \% kcals: 20
(Calories 1,225:
Total Carb, \% kcals: 50
Total Fat, \% kcals: 31
Sodium, mg*: 867
SFA, \% kcals+: $\quad 9$
Cholesterol, mg: 142
Protein, \% kcals: 21
*No salt added in recipe preparation or as seasoning. Consume at least 32 oz . water.

+ Saturated fatty acid. Limit this type of fat.


## Diabetes Education Carbohydrate Counting

## Menu Plan for Southern Cuisine:

## - Breakfast:



## 1,200 Calories

$1 / 2$ cup
$1 / 2$ cup
---
---
$1 / 2$ cup
1 cup
1 oz

Baked Chicken, without skin
Vegetable Oil
Salad:
Lettuce
Tomato
Cucumber
Oil \& Vinegar Dressing
White Rice ...seasoned with
Margarine margarine, diet
Water
Baking Powder Biscuit, prepared with vetable oil

## - Dinner:

Lean Roast Beef
Onion
Beef Gravy, water-based
Turnip Greens, seasoned with margarine, diet
Sweet Potato, baked
Margarine, diet
Ground Cinnamon
Brown Sugar
Honeydew Melon
Iced Tea, sweetened with sugar
Cornbread prepared with
margarine, diet

## - Snacks:

Saltine Crackers, unsalted tops $\quad 4$ crackers 4 crackers Mozzarella Cheese, part-skin, low-sodium

2 oz

| 2 oz | 2 oz |
| :--- | :--- |
| 1 tsp | $1 / 2$ tsp |
|  |  |
| $1 / 2$ cup | $1 / 2$ cup |
| $1 / 2$ cup | $1 / 2$ cup |
| $1 / 2$ cup | $1 / 2$ cup |
| 2 tsp | 1 tsp |
| $1 / 3$ cup | $1 / 3$ cup |
| $1 / 2$ tsp | $1 / 2$ tsp |
| 1 cup | 1 cup |
| 1 small | $1 / 2$ small |

3 oz
1/4 cup
1 T
1/cup
$1 / 2$ tsp
1 small
$1 / 4$ tsp
1 tsp
1 tsp
1/8 medium
1 cup $1 / 2$ medium slice


## Mexican-American

 Cuisine:1,600: 100\% RDA met for all nutrients except: Vit E 97\%,
Magnesium 98\%, Iron 78\% and Zinc 90\%

1,200: 100\% RDA met for all nutrients except: Vit E 82\%, Vit B1 \& B2 95\%, Vit B3 99\%, Vit B6 88\%, Magnesium 83\% and Iron 56\%

## Calories 1,653:

Total Carb, \% kcals: 53
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Cholesterol, mg: 142
Protein, \% kcals: 21
*No salt added in recipe preparation or as seasoning. Consume at least 32 oz. water.
+Saturated fatty acid. Limit this type of fat.

# Carbohydrate Counting 

## Menu Plan for Mexican-American Cuisine:

## 1,600 Calories

- Breakfast:

Cantaloupe
Farina, prepared with
$1 \%$ milk, low fat
White Bread
Margarine
Jelly
Orange Juice
Milk 1\%, low fat

- Lunch:

Beef Enchilada
Tortilla, corn $\square$
Lean Roast Beef
Vegetable Oil
Onion
Tomato (2)
Lettuce
Chili Peppers
Refried Beans, prepared
with vegetable oil (l)
Carrots (
Celery
Milk 1\%, low fat

- Dinner:

Chicken Taco

| Tortilla, corn | 1 tortilla | 1 tortilla |
| :--- | :--- | :--- |
| Chicken Breast, without skin | 2 oz | 2 oz |
| Vegetable Oil | $2 / 3 \mathrm{tsp}$ | $2 / \mathrm{stsp}$ |
| Cheddar Cheese ...low-fat and | 1 oz | $1 / 2 \mathrm{oz}$ |
| Guacamole low-sodium | 2 T | 2 T |
| Salsa | 1 T | 2 T |
| orn, seasoned with margarine | $1 / 2$ cup | $1 / 2 \mathrm{cup}$ |
| anana | 1 large | $1 / 2$ large |
| offee | 1 cup | 1 cup |
| Milk $1 \%$, low fat | 1 oz | 1 oz |
| panish Rice without meat | $1 / 3$ cup | $1 / 3 \mathrm{cup}$ |

1,200 Calories
$1 / 2$ cup
$1 / 2$ cup
1 slice
1 tsp
1 tsp
3/4 cup
$1 / 2$ cup

2 tortillas
2 oz
2/3 tsp
1 T
4 T
$1 / 2$ cup
2 tsp
$1 / 4$ cup

5 sticks
5 sticks
---

Chicken Breast, without skin
Vegetable Oil
2/3 tsp
2/3 tsp
Oz
2 T
2 T
Corn, seasoned with margarine
Banana
Coffee
Milk 1\%, low fat
Spanish Rice without meat
1/3 cup
1/3 cup

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