## Blood Pressure/Asthma Screening Albany College of Pharmacy & Health Sciences

## **Project Description & Implementation Overview**

This community service project was a collaboration event between the ACPHS AMCP chapter and Rho Pi Phi pharmacy fraternity at a local YMCA center. As student pharmacists and future health care providers, it is important for us to demonstrate how the profession of pharmacy is an excellent resource to help prevent the morbidity and mortality associated with manageable diseases such as hypertension and asthma. The intent of this project was to help identify people who were experiencing symptoms, help patients manage their blood pressure and asthma, assess asthma control, and ultimately prevent long-term complications associated with these disease states.

## **Purpose of the Project**

This community service project had the following primary goals:

- To increase screening and educational opportunities for the public
- To help identify those at risk for developing the diseases
- To help the public become more knowledgeable about the disease and to recognize the risk factors, signs and symptoms of both hypertension and asthma
- To help build patient trust by getting to know their pharmacists
- To show the importance of speaking with pharmacists about blood pressure and asthma control

## **Project Budget: Expenses and Revenues**

There were two expenses recorded and no revenue gained.

- Table Runner: \$150
- Velcro Display Boards (2) \$100 each

## Who and How Many Chapter Members are Involved?

AMCP ACPHS executive board

- Outlined and developed the project
- Chapter Activities Chair reach out to Activities Coordinator of local YMCA to ask permission to hold the event
- Prepared promotional materials to be display at the YMCA to make public aware of this event
- Presented the project at the monthly general meeting to recruit volunteers

A total of 5 AMCP student pharmacists and 1 faculty member volunteered at the YMCA at the day of the event. Because the AMCP chapter collaborated with Rho Pi Phi pharmacy fraternity for volunteers, the total number of student pharmacist volunteers was 8.

## Who Should be Targeted? Audience or Involvement? How Do You Find Them? How Do You Contact?

The intended beneficiaries for this community service project were the community residents who attend the YMCA on regular basis. The event was advertised at the YMCA 2 weeks in advance to inform the public about this upcoming event via flyers.

## What Materials are Needed? Outside Resources, Ordering, etc? *Blood Pressure Screening*

- ACPHS Pharmacy Skills Lab supplied the stethoscopes and cuffs used for the blood pressure measurements
- Dietary Approaches to Stop Hypertension (DASH) handout was downloaded from the U.S. Department of Health and Human Services

## Asthma Screening

- Many of the resources used have been provided for us at no charge from our community partner at the Whitney M. Young Jr. Health Center (i.e. peak flow meters)
- There were quite a few other resources downloaded from the New York State Department of Health website to provide as patient handouts
- Pamphlets provided by manufacturers such as GlaxoSmithKline and Merck. Pamphlets are available here: <a href="http://www.nhlbi.nih.gov/health/public/heart/hbp/dash/new\_dash.pdf">http://www.nhlbi.nih.gov/health/public/heart/hbp/dash/new\_dash.pdf</a>

## **Timeline for Implementation and Execution**

- 1 month ahead: Reach out to Activities Coordinator of the facility to confirm date and time for the event
- 3 weeks ahead: Start to recruit volunteers via general meeting, email, and chapter AMCP Facebook
- 2 weeks ahead: Reserve room for student pharmacist training
- 1 week ahead: Schedule a mini-training session for volunteers

## Follow-up with Faculty Members/Volunteers/Participants

The student pharmacists that participated in the event received a follow up email thanking them for their involvement in the project. They were informed about the success and the recognition received from the YMCA.

### **Project Evaluation:**

The event went smoothly and according to plan. Everything was ready for us to use, such as the tables, chairs. We supplied medical equipment needed and came prepared with a presentation to show the patients that stopped by. The presentation and blood pressures were set up at the entrance to the YMCA, which was the best way to get the attention of the people walking in. Since we were out in the open, all the background noise disrupted our presentation and made it difficult to provide an exact blood pressure reading. To improve the event for next year, we are looking into reserving a private quiet room to record the blood pressures. This will allow us to provide the most accurate reading and ensure the patient is receiving the correct information.

## **Project Checklist**:

- Create a timeline for planning
- Contact and confirm location
  - o Reach out to Activities Coordinator of the facility at least 1 month prior
  - o Pick a specific date or week for the event
  - o Reserve tables, and chairs from facility
- Submit any forms required by the school
- Recruit volunteers
- Print all flyers, handouts, etc. to bring to the event
- Hold a mini-training session a week prior to the event



YOUR GUIDE TO

## Lowering Your Blood Pressure With DASH

## DASH Eating Plan



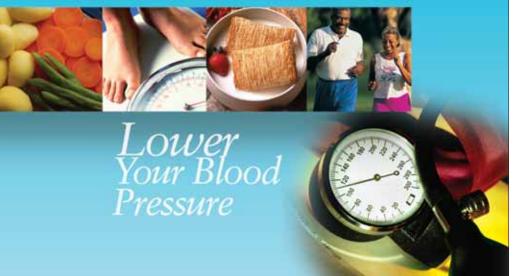
Lower Your Blood Pressure



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
National Institutes of Health
National Heart, Lung, and Blood Institute

## Lowering Your Blood Pressure With DASH











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## RICARDO ELEY

My doctor noticed my blood pressure was a little high. I try to be more aware of the foods I eat. I limit alcohol, and watch my portions. I also work out 5–7 days a week. My son is learning from me and is doing the same things I do.



## Introduction

What you choose to eat affects your chances of developing high blood pressure, or hypertension (the medical term). Recent studies show that blood pressure can be lowered by following the Dietary Approaches to Stop Hypertension (DASH) eating plan—and by eating less salt, also called sodium.

While each step alone lowers blood pressure, the combination of the eating plan and a reduced sodium intake gives the biggest benefit and may help prevent the development of high blood pressure.

This booklet, based on the DASH research findings, tells how to follow the DASH eating plan and reduce the amount of sodium you consume. It offers tips on how to start and stay on the eating plan, as well as a week of menus and some recipes. The menus and recipes are given for two levels of daily sodium consumption—2,300 and 1,500 milligrams per day. Twenty-three hundred milligrams is the highest level considered acceptable by the National High Blood Pressure Education Program. It is also the highest amount recommended for healthy Americans by the 2005 "U.S. Dietary Guidelines for Americans." The 1,500 milligram level can lower blood pressure further and more recently is the amount recommended by the Institute of Medicine as an adequate intake level and one that most people should try to achieve.

The lower your salt intake is, the lower your blood pressure. Studies have found that the DASH menus containing 2,300 milligrams of sodium can lower blood pressure and that an even lower level of sodium, 1,500 milligrams, can further reduce blood pressure. All the menus are lower in sodium than what adults in the United States currently eat—about 4,200 milligrams per day in men and 3,300 milligrams per day in women.

Those with high blood pressure and prehypertension may benefit especially from following the DASH eating plan and reducing their sodium intake.



My family's food choices have always been pretty good. We eat a lot of fruit, vegetables, and low-fat yogurt.



## What Is High Blood Pressure?

Blood pressure is the force of blood against artery walls. It is measured in millimeters of mercury (mmHg) and recorded as two numbers—systolic pressure (when the heart beats) over diastolic pressure (when the heart relaxes between beats). Both numbers are important. (See box 1 on page 4.)

Blood pressure rises and falls during the day. But when it stays elevated over time, then it's called high blood pressure. High blood pressure is dangerous because it makes the heart work too hard, and the high force of the blood flow can harm arteries and organs such as the heart, kidneys, brain, and eyes. High blood pressure often has no warning signs or symptoms. Once it occurs, it usually lasts a lifetime. If uncontrolled, it can lead to heart and kidney disease, stroke, and blindness.

High blood pressure affects more than 65 million—or 1 in 3— American adults. About 28 percent of American adults ages 18 and older, or about 59 million people, have prehypertension, a condition that also increases the chance of heart disease and stroke. High blood pressure is especially common among African Americans, who tend to develop it at an earlier age and more often than Whites. It is also common among older Americans—individuals with normal blood pressure at age 55 have a 90 percent lifetime risk for developing high blood pressure.

High blood pressure can be controlled if you take these steps:

- Maintain a healthy weight.
- Be moderately physically active on most days of the week.
- Follow a healthy eating plan, which includes foods lower in sodium.
- If you drink alcoholic beverages, do so in moderation.
- If you have high blood pressure and are prescribed medication, take it as directed.

All steps but the last also help to prevent high blood pressure.

### B 0 X

## Blood Pressure Levels for Adults\*

| Category        | Systolic†<br>(mmHg)‡ |     | Diastolic†<br>(mmHg)‡ | Result   |
|-----------------|----------------------|-----|-----------------------|--|
| Normal          | Less than 120        | and | Less than 80          | Good for you!  |
| Prehypertension | 120–139              | or  | 80–89                 | Your blood pressure could be a problem. Make changes in what you eat and drink, be physically active, and lose extra weight. If you also have diabetes, see your doctor. |
| Hypertension    | 140 or higher        | or  | 90 or higher          | You have high blood pressure. Ask your doctor or nurse how to control it.  |

- \* For adults ages 18 and older who are not on medicine for high blood pressure and do not have a short-term serious illness. Source: The Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure; NIH Publication No. 03-5230, National High Blood Pressure Education Program, May 2003.
- † If systolic and diastolic pressures fall into different categories, overall status is the higher category.
- ‡ Millimeters of mercury.



## What Is the DASH Eating Plan?

Blood pressure can be unhealthy even if it stays only slightly above the normal level of less than 120/80 mmHg. The more your blood pressure rises above normal, the greater the health risk.

Scientists supported by the National Heart, Lung, and Blood Institute (NHLBI) conducted two key studies. Their findings showed that blood pressures were reduced with an eating plan that is low in saturated fat, cholesterol, and total fat and that emphasizes fruits, vegetables, and fat-free or low-fat milk and milk products. This eating plan—known as the DASH eating plan—also includes whole grain products, fish, poultry, and nuts. It is reduced in lean red meat, sweets, added sugars, and sugar-containing beverages compared to the typical American diet. It is rich in potassium, magnesium, and calcium, as well as protein and fiber. (See box 2 for the DASH studies' daily nutrient goals.)

#### B 0 X 2

## Daily Nutrient Goals Used in the DASH Studies

(for a 2,100 Calorie Eating Plan)

| Total fat     | 27% of calories | Sodium    | 2,300 mg* |
|---------------|-----------------|-----------|-----------|
| Saturated fat | 6% of calories  | Potassium | 4,700 mg  |
| Protein       | 18% of calories | Calcium   | 1,250 mg  |
| Carbohydrate  | 55% of calories | Magnesium | 500 mg    |
| Cholesterol   | 150 mg          | Fiber     | 30 g      |

<sup>\* 1,500</sup> mg sodium was a lower goal tested and found to be even better for lowering blood pressure. It was particularly effective for middle-aged and older individuals, African Americans, and those who already had high blood pressure. g = grams; mg = milligrams

The DASH eating plan follows heart healthy guidelines to limit saturated fat and cholesterol. It focuses on increasing intake of foods rich in nutrients that are expected to lower blood pressure, mainly minerals (like potassium, calcium, and magnesium), protein, and fiber. It includes nutrient-rich foods so that it meets other nutrient requirements as recommended by the Institute of Medicine.

The first DASH study involved 459 adults with systolic blood pressures of less than 160 mmHg and diastolic pressures of 80–95 mmHg. About 27 percent of the participants had high blood pressure. About 50 percent were women and 60 percent were African Americans. It compared three eating plans: a plan that includes foods similar to what many Americans regularly eat; a plan that includes foods similar to what many Americans regularly eat plus more fruits and vegetables; and the DASH eating plan. All three plans included about 3,000 milligrams of sodium daily. None of the plans was vegetarian or used specialty foods.

Results were dramatic. Participants who followed both the plan that included more fruits and vegetables and the DASH eating plan had reduced blood pressure. But the DASH eating plan had the

## Who Helped With DASH?

The DASH studies were sponsored by the NHLBI and conducted at four medical centers. There was also a central coordinating center at Kaiser Permanente Center for Health Research in Portland, OR. The four medical centers were: Brigham and Women's Hospital, Boston, MA; Duke Hypertension Center and the Sarah W. Stedman Nutrition and Metabolism Center, Durham, NC; Johns Hopkins Medical Institutions, Baltimore, MD; and Pennington Biomedical Research Center, Baton Rouge, LA.

greatest effect, especially for those with high blood pressure. Furthermore, the blood pressure reductions came fast—within 2 weeks of starting the plan.

The second DASH study looked at the effect on blood pressure of a reduced dietary sodium intake as participants followed either the DASH eating plan or an eating plan typical of what many Americans consume. This second study involved 412 participants. Participants were randomly assigned to one of the two eating plans and then followed for a month at each of the three sodium levels. The three sodium levels were a higher intake of about 3,300 milligrams per day (the level consumed by many Americans), an intermediate intake of about 2,300 milligrams per day, and a lower intake of about 1,500 milligrams per day.

Results showed that reducing dietary sodium lowered blood pressure for both eating plans. At each sodium level, blood pressure was lower on the DASH eating plan than on the other eating plan. The greatest blood pressure reductions were for the DASH eating plan at the sodium intake of 1,500 milligrams per day. Those with high blood pressure saw the greatest reductions, but those with prehypertension also had large decreases.

Together these studies show the importance of lowering sodium intake—whatever your eating plan. For a true winning combination, follow the DASH eating plan and lower your intake of salt and sodium.

#### How Do I Make the DASH?

The DASH eating plan used in the studies calls for a certain number of daily servings from various food groups. These are given in box 3 on page 8 for 2,000 calories per day. The number of servings you require may vary, depending on your caloric need. Box 4 on page 10 gives the number of servings for 1,600, 2,600, and 3,100 calories.

The DASH eating plan used along with other lifestyle changes can help you prevent and control blood pressure. If your blood pressure is not too high, you may be able to control it entirely by changing your eating habits, losing weight if you are overweight, getting regular physical activity, and cutting down on alcohol. The DASH eating plan also has other benefits, such as lowering LDL ("bad") cholesterol, which, along with lowering blood pressure, can reduce your risk for getting heart disease.

## B 0 X

## Following the DASH Eating Plan

| Food Group                                       | Daily<br>Servings     | Serving Sizes   |
|--|-----------------------|---|
| Grains*  | 6–8                   | 1 slice bread<br>1 oz dry cereal†<br>1/2 cup cooked rice, pasta, or cereal  |
| Vegetables                                       | 4–5                   | 1 cup raw leafy vegetable<br>1/2 cup cut-up raw or cooked vegetable<br>1/2 cup vegetable juice                              |
| Fruits   | 4–5                   | 1 medium fruit<br>1/4 cup dried fruit<br>1/2 cup fresh, frozen, or canned fruit<br>1/2 cup fruit juice                      |
| Fat-free or low-fat<br>milk and milk<br>products | 2–3                   | 1 cup milk or yogurt<br>11/2 oz cheese  |
| Lean meats, poultry, and fish                    | 6 or less             | 1 oz cooked meats, poultry, or fish<br>1 egg <sup>‡</sup>   |
| Nuts, seeds, and legumes                         | 4–5 per<br>week       | 1/3 cup or 11/2 oz nuts<br>2 Tbsp peanut butter<br>2 Tbsp or 1/2 oz seeds<br>1/2 cup cooked legumes (dry beans<br>and peas) |
| Fats and oils§                                   | 2–3                   | 1 tsp soft margarine<br>1 tsp vegetable oil<br>1 Tbsp mayonnaise<br>2 Tbsp salad dressing                                   |
| Sweets and added sugars                          | 5 or less<br>per week | 1 Tbsp sugar<br>1 Tbsp jelly or jam<br>1/2 cup sorbet, gelatin<br>1 cup lemonade  |

<sup>\*</sup> Whole grains are recommended for most grain servings as a good source of fiber and nutrients.

<sup>&</sup>lt;sup>†</sup> Serving sizes vary between 1/2 cup and 11/4 cups, depending on cereal type. Check the product's Nutrition Facts label.

What Is the DASH Eating Plan?

The DASH eating plan shown below is based on 2,000 calories a day. The number of daily servings in a food group may vary from those listed depending on your caloric needs. Use this chart to help you plan your menus or take it with you when you go to the store.

| Examples and Notes   | Significance of Each Food<br>Group to the DASH Eating<br>Pattern                     |
|--|--|
| Whole wheat bread and rolls, whole wheat pasta, English muffin, pita bread, bagel, cereals, grits, oatmeal, brown rice, unsalted pretzels and popcorn  | Major sources of energy and fiber  |
| Broccoli, carrots, collards, green beans, green peas, kale, lima beans, potatoes, spinach, squash, sweet potatoes, tomatoes  | Rich sources of potassium,<br>magnesium, and fiber                                   |
| Apples, apricots, bananas, dates, grapes, oranges, grapefruit, grapefruit juice, mangoes, melons, peaches, pineapples, raisins, strawberries, tangerines   | Important sources of potassi-<br>um, magnesium, and fiber                            |
| Fat-free (skim) or low-fat (1%) milk or butter-<br>milk, fat-free, low-fat, or reduced-fat cheese,<br>fat-free or low-fat regular or frozen yogurt   | Major sources of calcium and protein   |
| Select only lean; trim away visible fats; broil, roast, or poach; remove skin from poultry   | Rich sources of protein and magnesium  |
| Almonds, hazelnuts, mixed nuts, peanuts,<br>walnuts, sunflower seeds, peanut butter,<br>kidney beans, lentils, split peas  | Rich sources of energy,<br>magnesium, protein, and<br>fiber                          |
| Soft margarine, vegetable oil (such as canola,<br>corn, olive, or safflower), low-fat mayon-<br>naise, light salad dressing  | The DASH study had 27 percent of calories as fat, including fat in or added to foods |
| Fruit-flavored gelatin, fruit punch, hard candy, jelly, maple syrup, sorbet and ices, sugar  | Sweets should be low in fat  |
| Since eggs are high in cholesterol, limit egg yolk in<br>week; two egg whites have the same protein cont<br>§ Fat content changes serving amount for fats and of<br>regular salad dressing equals one serving; 1 Tbsp<br>one-half serving; 1 Tbsp of a fat-free dressing equ | ent as 1 oz of meat.<br>oils. For example, 1 Tbsp of<br>of a low-fat dressing equals |

### B 0 X 4

## DASH Eating Plan— Number of Daily Servings for Other Calorie Levels

|   |                       | Servings/Day          |                       |
|---|-----------------------|-----------------------|-----------------------|
| Food Groups                                       | 1,600<br>calories/day | 2,600<br>calories/day | 3,100<br>calories/day |
| Grains*   | 6                     | 10–11                 | 12–13                 |
| Vegetables  | 3–4                   | 5–6                   | 6                     |
| Fruits  | 4                     | 5–6                   | 6                     |
| Fat-free or low-<br>fat milk and milk<br>products | 2–3                   | 3                     | 3–4                   |
| Lean meats, poultry, and fish                     | 3–6                   | 6                     | 6–9                   |
| Nuts, seeds, and legumes                          | 3/week                | 1                     | 1                     |
| Fats and oils                                     | 2                     | 3                     | 4                     |
| Sweets and added sugars                           | 0                     | <b>≤</b> 2            | ≤2                    |

<sup>\*</sup> Whole grains are recommended for most grain servings as a good source of fiber and nutrients.

If you need to lose weight, even a small weight loss will help to lower your risks of developing high blood pressure and other serious health conditions. At the very least, you should not gain weight. A recent study showed that people can lose weight while following the DASH eating plan and lowering their sodium intake. In a study of 810 participants, one-third were taught how to lower their sodium intake and follow the DASH eating plan on their own. Most of them needed to lose weight as well. They followed the DASH eating plan at lower calorie levels and they increased their physical activity. Over the course of 18 months, participants lost weight and improved their blood pressure control.

#### JOSE HENRIQUEZ

I was overweight. I was told by my doctor that if I kept it up I was going to develop high blood pressure and high blood cholesterol. The doctor sent me to a dietitian. She is the one who taught me the things that I had to do in order to eat right. It was hard at the beginning because once you have bad habits they are hard to break. Once I realized it was for my own good and no one was going to take care of me except me, I decided to start eating better. At home, we keep stuff like fruits, vegetables, and low-fat or fat-free milk in the house. My three daughters are beginning to learn how to eat right, and my little one loves vegetables like I do. //

If you're trying to lose weight, use the foods and serving guidelines in boxes 3 and 4 on pages 8 and 9. Aim for a caloric level that is lower than what you usually consume. In addition, you can make your diet lower in calories by using the tips in box 5. The best way to take off pounds is to do so gradually, get more physical activity, and eat a balanced diet that is lower in calories and fat. For some people at very high risk for heart disease or stroke, medication will be necessary. To develop a weight-loss or weight-maintenance program that works well for you, consult with your doctor or registered dietitian.

Combining the DASH eating plan with a regular physical activity program, such as walking or swimming, will help you both shed pounds and stay trim for the long term. You can do an activity for 30 minutes at one time, or choose shorter periods of at least 10 minutes each. (See box 6 on page 14.) The important thing is to total about 30 minutes of activity each day. (To avoid weight gain, try to total about 60 minutes per day.)

You should be aware that the DASH eating plan has more daily servings of fruits, vegetables, and whole grain foods than you may be used to eating. Because the plan is high in fiber, it can cause bloating and diarrhea in some persons. To avoid these problems, gradually increase your intake of fruit, vegetables, and whole grain foods.

This booklet gives menus and recipes from the DASH studies for both 2,300 and 1,500 milligrams of daily sodium intake. Twenty-three hundred milligrams of sodium equals about 6 grams, or 1 teaspoon, of table salt (sodium chloride); 1,500 milligrams of sodium equals about 4 grams, or  $^{2}$ /<sub>3</sub> teaspoon, of table salt.

The key to reducing salt intake is making wise food choices. Only a small amount of salt that we consume comes from the salt added at the table, and only small amounts of sodium occur naturally in food. Processed foods account for most of the salt and sodium Americans consume. So, be sure to read food labels to choose products lower in sodium. You may be surprised to find which foods have sodium. They include baked goods, certain cereals, soy sauce, seasoned salts, monosodium glutamate (MSG), baking soda, and some antacids—the range is wide.

## How to Lower Calories on the DASH Eating Plan

The DASH eating plan can be adopted to promote weight loss. It is rich in lower-calorie foods, such as fruits and vegetables. You can make it lower in calories by replacing higher calorie foods such as sweets with more fruits and vegetables—and that also will make it easier for you to reach your DASH goals. Here are some examples:

#### To increase fruits—

- Eat a medium apple instead of four shortbread cookies. You'll save 80 calories.
- Eat 1/4 cup of dried apricots instead of a 2-ounce bag of pork rinds.
   You'll save 230 calories.

#### To increase vegetables—

- Have a hamburger that's 3 ounces of meat instead of 6 ounces.
   Add a 1/2-cup serving of carrots and a 1/2-cup serving of spinach.
   You'll save more than 200 calories.
- Instead of 5 ounces of chicken, have a stir fry with 2 ounces of chicken and 1<sup>1</sup>/<sub>2</sub> cups of raw vegetables. Use a small amount of vegetable oil. You'll save 50 calories.

#### To increase fat-free or low-fat milk products—

 Have a ¹/₂-cup serving of low-fat frozen yogurt instead of a ¹/₂-cup serving of full-fat ice cream. You'll save about 70 calories.

#### And don't forget these calorie-saving tips:

- Use fat-free or low-fat condiments.
- Use half as much vegetable oil, soft or liquid margarine, mayonnaise, or salad dressing, or choose available low-fat or fat-free versions.
- Eat smaller portions—cut back gradually.
- Choose fat-free or low-fat milk and milk products.
- Check the food labels to compare fat content in packaged foods items marked fat-free or low-fat are not always lower in calories than their regular versions.
- Limit foods with lots of added sugar, such as pies, flavored yogurts, candy bars, ice cream, sherbet, regular soft drinks, and fruit drinks.
- Eat fruits canned in their own juice or in water.
- Add fruit to plain fat-free or low-fat yogurt.
- Snack on fruit, vegetable sticks, unbuttered and unsalted popcorn, or rice cakes.
- Drink water or club soda—zest it up with a wedge of lemon or lime.

B O X 6

## Make a Dash for DASH

Thirty minutes of moderate-intensity physical activity each day can help.

- If your blood pressure is moderately elevated, 30 minutes of brisk walking on most days a week may be enough to keep you off medication.
- If you take medication for high blood pressure, 30 minutes of moderate physical activity can make your medication work more effectively and make you feel better.
- If you don't have high blood pressure, being physically active can help keep it that way. If you have normal blood pressure—but are not active—your chances of developing high blood pressure increase, especially as you get older or if you become overweight or obese or develop diabetes.

Getting started: Your physical activity program can be as simple as a 15-minute walk around the block each morning and evening. Gradually build up your program and set new goals to stay motivated. The important thing is to find something you enjoy, and do it safely. And remember—trying too hard at first can lead to injury and cause you to give up. If you have a chronic health problem or a family history of heart disease at an early age, be sure to talk with your doctor before launching a new physical activity program.

- 1. Set a schedule and try to keep it.
- **2. Get a friend or family member to join you.** Motivate each other to keep it up.
- **3. Cross-train.** Alternate between different activities so you don't strain one part of your body day after day.
- 4. Set goals.
- 5. Reward yourself. At the end of each month that you stay on your exercise program, reward yourself with something new—new clothes, a compact disc, a new book—something that will help keep you committed. But don't use food as a reward.

Because it is rich in fruits and vegetables, which are naturally lower in sodium than many other foods, the DASH eating plan makes it easier to consume less salt and sodium. Still, you may want to begin by adopting the DASH eating plan at the level of 2,300 milligrams of sodium per day and then further lower your sodium intake to 1,500 milligrams per day.

Boxes 7, 8, and 9 on pages 16–18 offer tips on how to reduce the salt and sodium content in your diet, and boxes 10 and 11 on pages 19 and 20 show how to use food labels to find lower sodium products.

The DASH eating plan also emphasizes potassium from food, especially fruits and vegetables, to help keep blood pressure levels healthy. A potassium-rich diet may help to reduce elevated or high blood pressure, but be sure to get your potassium from food sources, not from supplements. Many fruits and vegetables, some milk products, and fish are rich sources of potassium. (See box 12 on page 21.) However, fruits and vegetables are rich in the form of potassium (potassium with bicarbonate precursors) that favorably affects acid-base metabolism. This form of potassium may help to reduce risk of kidney stones and bone loss. While salt substitutes containing potassium are sometimes needed by persons on drug therapy for high blood pressure, these supplements can be harmful to people with certain medical conditions. Ask your doctor before trying salt substitutes or supplements.

Start the DASH eating plan today—it can help you prevent and control high blood pressure, has other health benefits for your heart, can be used to lose weight, and meets your nutritional needs.



## B 0 X 7

## Where's the Sodium?

Only a small amount of sodium occurs naturally in foods. Most sodium is added during processing. The table below gives examples of sodium in some foods.

| Food Groups   | Sodium (mg) |
|---|-------------|
| Whole and other grains and grain products*                |             |
| Cooked cereal, rice, pasta, unsalted, 1/2 cup             | 0–5         |
| Ready-to-eat cereal, 1 cup                                | 0-360       |
| Bread, 1 slice  | 110–175     |
| Vegetables  |             |
| Fresh or frozen, cooked without salt, 1/2 cup             | 1–70        |
| Canned or frozen with sauce, 1/2 cup                      | 140-460     |
| Tomato juice, canned, 1/2 cup                             | 330         |
| Fruit   |             |
| Fresh, frozen, canned, 1/2 cup                            | 0–5         |
| Low-fat or fat-free milk and milk products                |             |
| Milk, 1 cup   | 107         |
| Yogurt, 1 cup   | 175         |
| Natural cheeses, 11/2 oz                                  | 110-450     |
| Process cheeses, 2 oz                                     | 600         |
| Nuts, seeds, and legumes                                  |             |
| Peanuts, salted, 1/3 cup                                  | 120         |
| Peanuts, unsalted, 1/3 cup                                | 0–5         |
| Beans, cooked from dried or frozen, without salt, 1/2 cup | 0–5         |
| Beans, canned, 1/2 cup                                    | 400         |
| Lean meats, fish, and poultry                             |             |
| Fresh meat, fish, poultry, 3 oz                           | 30-90       |
| Tuna canned, water pack, no salt added, 3 oz              | 35–45       |
| Tuna canned, water pack, 3 oz                             | 230–350     |
| Ham, lean, roasted, 3 oz                                  | 1,020       |

<sup>\*</sup> Whole grains are recommended for most grain servings.

## Tips To Reduce Salt and Sodium

- Choose low- or reduced-sodium, or no-salt-added versions of foods and condiments when available.
- Choose fresh, frozen, or canned (low-sodium or no-salt-added) vegetables.
- Use fresh poultry, fish, and lean meat, rather than canned, smoked, or processed types.
- Choose ready-to-eat breakfast cereals that are lower in sodium.
- Limit cured foods (such as bacon and ham); foods packed in brine (such as pickles, pickled vegetables, olives, and sauerkraut); and condiments (such as mustard, horseradish, ketchup, and barbecue sauce). Limit even lower sodium versions of soy sauce and teriyaki sauce. Treat these condiments sparingly as you do table salt.
- Cook rice, pasta, and hot cereals without salt. Cut back on instant or flavored rice, pasta, and cereal mixes, which usually have added salt.
- Choose "convenience" foods that are lower in sodium. Cut back on frozen dinners, mixed dishes such as pizza, packaged mixes, canned soups or broths, and salad dressings—these often have a lot of sodium.

 Rinse canned foods, such as tuna and canned beans, to remove some of

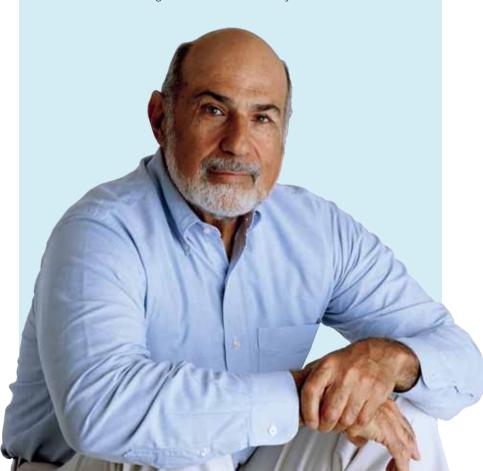
the sodium.

Use spices instead of salt.
 In cooking and at the table, flavor foods with herbs, spices, lemon, lime, vinegar, or salt-free seasoning blends. Start by cutting salt in half.



## Reducing Salt and Sodium When Eating Out

- Ask how foods are prepared. Ask that they be prepared without added salt, MSG, or salt-containing ingredients. Most restaurants are willing to accommodate requests.
- Know the terms that indicate high sodium content: pickled, cured, smoked, soy sauce, broth.
- Move the salt shaker away.
- Limit condiments, such as mustard, ketchup, pickles, and sauces with salt-containing ingredients.
- Choose fruit or vegetables, instead of salty snack foods.



## Compare Nutrition Facts Labels on Foods

Read the Nutrition Facts labels on foods to compare the amount of sodium in products. Look for the sodium content in milligrams and the Percent Daily Value. Aim for foods that are less than 5 percent of the Daily Value of sodium. Foods with 20 percent or more Daily Value of sodium are considered high. You can also check out the amounts of the other DASH goal nutrients.

Compare the food labels of these two versions of canned tomatoes. The regular canned tomatoes (right) have 15 times as much sodium as the low-sodium canned tomatoes.

## Low-Sodium Canned Diced Tomatoes

## Canned Diced Tomatoes

Nutrition Foots

#### 

Nutrition Facts

| Total Carl           | oohydrat | <b>e</b> 5g       | 2%        |
|----------------------|----------|-------------------|-----------|
| Dietary              | Fiber 1g |                   | 4%        |
| Sugar 3              | 3g       |                   |           |
| Protein 1            | 9        |                   |           |
| Vitamin A<br>Calcium | 5%<br>4% | Vitamin C<br>Iron | 30%<br>4% |
|                      |          |                   |           |

\*Percent Daily Values are based on a 2,000 calorie

| Nutriti               | on Facts                     |
|-----------------------|------------------------------|
| Serving Size 1/2      |                              |
| Servings Per Cor      | ntainer 31/2                 |
|                       |                              |
| Amount Per Serv       | ing                          |
| Calories 25           | Calories from Fat 0          |
|                       | % Daily Value*               |
| Total Fat 0g          | 0%                           |
| Saturated Fat 0       | )g <b>0</b> %                |
| Trans Fat 0g          |                              |
| Cholesterol Oma       | 0%                           |
| Sodium 150mg          | 6%                           |
| Potassium 230mg       | g <b>6</b> %                 |
| Total Carbohydra      | ı <b>te</b> 5g <b>2%</b>     |
| Dietary Fiber 1ç      | g 4%                         |
| Sugar 3g              |                              |
| Protein 1g            |                              |
|                       | NII                          |
| Vitamin A 5%          | Vitamin C 20%                |
| Calcium 4%            | Iron 6%                      |
| *Percent Daily Values | are based on a 2.000 calorie |

/hat Is the DASH Eating Plan

## Label Language

Food labels can help you choose items lower in sodium, saturated fat, trans fat, cholesterol, and calories and higher in potassium and calcium. Look for the following label information on cans, boxes, bottles, bags, and other packaging:

| Less than 5 mg per serving  |
|---|
| 35 mg or less of sodium per serving   |
| 140 mg or less of sodium per serving  |
| 140 mg or less of sodium per 31/2 oz (100 g)                                    |
| At least 25 percent less sodium than the regular version                        |
| 50 percent less sodium than the regular version                                 |
| No salt added to the product during processing (this is not a sodium-free food) |
| ,   |
| Less than 0.5 g per serving   |
| 1 g or less per serving and 15% or less of calories from saturated fat          |
| 3 g or less per serving   |
| At least 25 percent less fat than the regular version                           |
| Half the fat compared to the regular version                                    |
|   |

<sup>\*</sup> Small serving sizes (50 g) or meals and main dishes are based on various weights in grams versus a serving size.

## Where's the Potassium?

Potassium comes from a variety of food sources. The table below gives examples of potassium in some foods.

| Food Groups   | Potassium (mg) |
|---|----------------|
| /egetables  |                |
| Potato, 1 medium  | 926            |
| Sweet Potato, 1 medium  | 540            |
| Spinach, cooked, 1/2 cup  | 290            |
| Zucchini, cooked, 1/2 cup   | 280            |
| Tomato, fresh, 1/2 cup  | 210            |
| Kale, cooked, 1/2 cup   | 150            |
| Romaine lettuce, 1 cup  | 140            |
| Mushrooms, 1/2 cup  | 110            |
| Cucumber, 1/2 cup   | 80             |
| ruit  |                |
| Banana, 1 medium  | 420            |
| Apricots, 1/4 cup   | 380            |
| Orange, 1 medium  | 237            |
| Cantaloupe chunks, 1/2 cup  | 214            |
| Apple, 1 medium   | 150            |
| luts, seeds, and legumes  |                |
| Cooked soybeans, 1/2 cup  | 440            |
| Cooked lentils, 1/2 cup   | 370            |
| Cooked kidney beans, 1/2 cup  | 360            |
| Cooked split peas, 1/2 cup  | 360            |
| Almonds, roasted, 1/3 cup   | 310            |
| Walnuts, roasted, 1/3 cup   | 190            |
| Sunflower seeds, roasted, 2 Tbsp  | 124<br>120     |
| Peanuts, roasted, 1/3 cup   | 120            |
| ow-fat or fat-free milk and milk products Milk, 1 cup                         | 380            |
| Yogurt, 1 cup   | 370            |
|   | 370            |
| ean meats, fish, and poultry Fish (cod, halibut, rockfish, trout, tuna), 3 oz | 200–400        |
| Pork tenderloin, 3 oz   | 370            |
| Beef tenderloin, chicken, turkey, 3 oz  | 210            |
| Deci terracioni, enieken, tarkey, 3 02  | 210            |
|   |                |
|   |                |
|   |                |

### JEANETTE GUYTON-KRISHNAN AND FAMILY

calories are in

ing them good eating habits right now. //

There's a history of cardiovascular disease in my family and I also know that good habits can start when the children are very young. In my family, we are physically active, we drink water and low-fat or fat-free milk, and we rarely keep sugary snacks in the house. I'm also very aware of portion sizes and how many the portions we eat. We are teach-

# What Is the DASH Eating Plan?

## How Can I Get Started on the DASH Eating Plan?

It's easy. Reading the "Getting Started" suggestions in box 13 should help you along the way. The DASH eating plan requires no special foods and has no hard-to-follow recipes. One way to begin is by seeing how DASH compares with your current food habits. Use the "What's On Your Plate?" form. (See box 14 on page 26.) Fill it in for 1–2 days and see how it compares with the DASH plan. This will help you see what changes you need to make in your food choices.

Remember that on some days the foods you eat may add up to more than the recommended servings from one food group and less from another. Similarly, you may have too much sodium on a particular day. But don't worry. Try your best to keep the average of several days close to the DASH eating plan and the sodium level recommended for you.

Use the menus that begin on page 30 if you want to follow the menus similar to those used in the DASH trial—or make up your own using your favorite foods. In fact, your entire family can eat meals using the DASH eating plan. Use box 3 on page 8 to choose your favorite foods from each food group based on your calorie needs as described in the 2005 "U.S. Dietary Guidelines for Americans."

The Dietary Guidelines determined that the DASH eating plan is an example of a healthy eating plan and recommends it as a plan that not only meets your nutritional needs but can accommodate varied types of cuisines and special needs.

Remember that the DASH eating plan used along with other lifestyle changes can help you prevent and control your blood pressure. Important lifestyle recommendations for you include: achieve and maintain a healthy weight, participate in your favorite regular physical activity, and, if you drink, use moderation in alcohol consumption (defined as up to one drink per day for women and up to two drinks per day for men).

One important note: If you take medication to control high blood pressure, you should not stop using it. Follow the DASH eating plan and talk with your doctor about your medication treatment. The tips in box 15 on page 27 can help you continue to follow the DASH eating plan and make other healthy lifestyle changes for a lifetime.

## **Getting Started**

It's easy to adopt the DASH eating plan. Here are some ways to get started:

### Change gradually

- If you now eat one or two vegetables a day, add a serving at lunch and another at dinner.
- If you don't eat fruit now or have juice only at breakfast, add a serving to your meals or have it as a snack.
- Gradually increase your use of fat-free and low-fat milk and milk products to three servings a day. For example, drink milk with lunch or dinner, instead of soda, sugar-sweetened tea, or alcohol. Choose fat-free (skim) or low-fat (1 percent) milk and milk products to reduce your intake of saturated fat, total fat, cholesterol, and calories and to increase your calcium.
- Read the Nutrition Facts label on margarines and salad dressings to choose those lowest in saturated fat and trans fat.

## Treat meats as one part of the whole meal, instead of the focus

- Limit lean meats to 6 ounces a day—all that's needed. Have only 3 ounces at a meal, which is about the size of a deck of cards.
- If you now eat large portions of meats, cut them back gradually by a half or a third at each meal.
- Include two or more vegetarian-style (meatless) meals each week.
- Increase servings of vegetables, brown rice, whole wheat pasta, and cooked dry beans in meals. Try casseroles, whole wheat pasta, and stir-fry dishes, which have less meat and more vegetables, grains, and dry beans.

## Use fruits or other foods low in saturated fat, trans fat, cholesterol, sodium, sugar, and calories as desserts and snacks

- Fruits and other lower fat foods offer great taste and variety. Use fruits canned in their own juice or packed in water. Fresh fruits require little or no preparation. Dried fruits are a good choice to carry with you or to have ready in the car.
- Try these snacks ideas: unsalted rice cakes; nuts mixed with raisins; graham crackers; fat-free and low-fat yogurt and frozen yogurt; popcorn with no salt or butter added; raw vegetables.

### Try these other tips

- Choose whole grain foods for most grain servings to get added nutrients, such as minerals and fiber. For example, choose whole wheat bread or whole grain cereals.
- If you have trouble digesting milk and milk products, try taking lactase enzyme pills (available at drugstores and groceries) with the milk products. Or, buy lactose-free milk, which has the lactase enzyme already added to it.
- If you are allergic to nuts, use seeds or legumes (cooked dried beans or peas).
- Use fresh, frozen, or low-sodium canned vegetables and fruits.

Use the form in box 14 to track your food and physical activities habits before you start on the DASH eating plan or to see how

you're doing after a few weeks. To record more than 1 day, just copy the form. Total each day's food groups and compare what you ate with the DASH eating plan. To see how the form looks completed, check the menus that start on page 30.



#### B O X 1 4

## What's on Your Plate? How Much Are You Moving?

| Date:  | Number of Servings by DASH Food Group |                                 |             |             |             |               |                             |                             |               |                         |
|--|---------------------------------------|---------------------------------|-------------|-------------|-------------|---------------|-----------------------------|-----------------------------|---------------|-------------------------|
| Food   | Amount<br>(serving size)              | Sodium (mg)                     | Grains      | Vegetables  | Fruits      | Milk Products | Meats, fish,<br>and poultry | Nuts, seeds,<br>and legumes | Fats and oils | Sweets and added sugars |
| Example:<br>whole wheat bread, with<br>soft (tub) margarine  | 2 slices<br>2 tsp                     | 299<br>52                       | 2           |             |             |               |                             |                             | 2             |                         |
| Breakfast  |                                       |                                 |             |             |             |               |                             |                             |               |                         |
| Lunch  |                                       |                                 |             |             |             |               |                             |                             |               |                         |
| Dinner   |                                       |                                 |             |             |             |               |                             |                             |               |                         |
| Snacks   |                                       |                                 |             |             |             |               |                             |                             |               |                         |
| Day's Totals   |                                       |                                 |             |             |             |               |                             |                             |               |                         |
| Compare yours with<br>the DASH eating plan<br>at 2,000 calories.   |                                       | 2,300 or<br>1,500 mg<br>per day | 6–8 per day | 4–5 per day | 4–5 per day | 2–3 per day   | 6 or less<br>per day        | 4–5 per<br>week             | 2-3 per day   | 5 or less<br>per week   |
| Physical Activity Log<br>Record your minutes per<br>day for each activity. Aim<br>for at least 30 minutes of<br>moderate-intensity physi-<br>cal activity on most days<br>of the week. |                                       |                                 |             |             |             |               |                             |                             |               |                         |

## Making the DASH to Good Health

The DASH plan is a new way of eating—for a lifetime. If you slip from the eating plan for a few days, don't let it keep you from reaching your health goals. Get back on track. Here's how:

### Ask yourself why you got off-track.

Was it at a party? Were you feeling stress at home or work? Find out what triggered your sidetrack and start again with the DASH plan.

#### Don't worry about a slip.

Everyone slips—especially when learning something new. Remember that changing your lifestyle is a long-term process.

#### See if you tried to do too much at once.

Often, those starting a new lifestyle try to change too much at once. Instead, change one or two things at a time. Slowly but surely is the best way to succeed.

#### Break the process down into small steps.

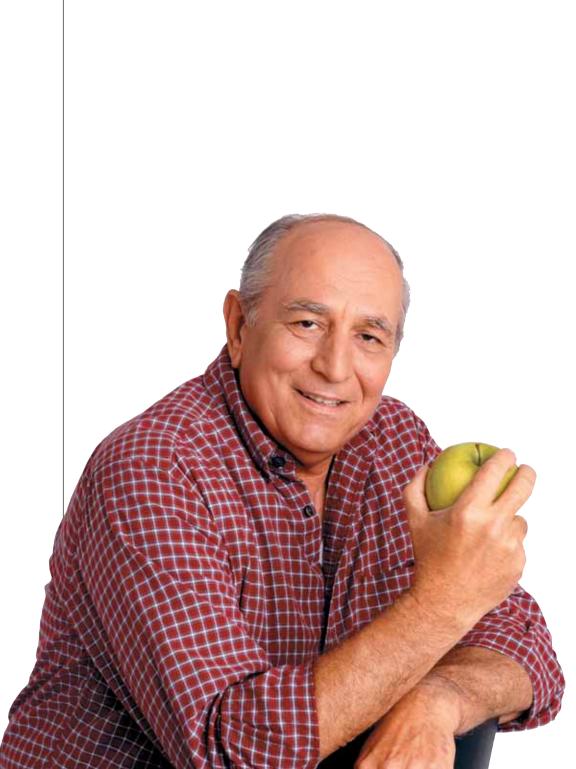
This not only keeps you from trying to do too much at once, but also keeps the changes simpler. Break complex goals into smaller, simpler steps, each of which is attainable.

#### Write it down.

Use the table in box 14 to keep track of what you eat and what you're doing. This can help you find the problem. Keep track for several days. You may find, for instance, that you eat high-fat foods while watching television. If so, you could start keeping a substitute snack on hand to eat instead of the high-fat foods. This record also helps you be sure you're getting enough of each food group and physical activity each day.

#### Celebrate success.

Treat yourself to a nonfood treat for your accomplishments.



### A Week With the DASH Eating Plan

Here is a week of menus from the DASH eating plan. The menus allow you to have a daily sodium level of either 2,300 mg or, by making the noted changes, 1,500 mg. You'll also find that the menus sometimes call for you to use lower sodium, low-fat, fat-free, or reduced fat versions of products.

The menus are based on 2,000 calories a day—serving sizes should be increased or decreased for other calorie levels. To ease the calculations, some of the serving sizes have been rounded off. Also, some items may be in too small a quantity to have a listed food group serving. Recipes for starred items are given on the later pages. Some of these recipes give changes that can be used to lower their sodium level. Use the changes if you want to follow the DASH eating plan at 1,500 milligrams of sodium per day.

### Abbreviations:

oz = ounce tsp = teaspoon Tbsp = tablespoon g = gram mg = milligram

### Day 1

| 2,300 mg Sodium Menu                | Sodium (mg) | Substitution To Reduce<br>Sodium to 1,500 mg | Sodium (mg) |  |
|-------------------------------------|-------------|--|-------------|--|
| Breakfast                           |             |  |             |  |
| 3/4 cup bran flakes cereal:         | 220         | 3/4 cup shredded wheat cereal                | 1           |  |
| 1 medium banana                     | 1           | -  |             |  |
| 1 cup low-fat milk                  | 107         |  |             |  |
| 1 slice whole wheat bread:          | 149         |  |             |  |
| 1 tsp soft (tub) margarine          | 26          | 1 tsp unsalted soft (tub) margarine          | 0           |  |
| 1 cup orange juice                  | 5           |  |             |  |
| Lunch                               |             |  |             |  |
| 3/4 cup chicken salad:*             | 179         | Remove salt from the recipe*                 | 120         |  |
| 2 slices whole wheat bread          | 299         | 1  |             |  |
| 1 Tbsp Dijon mustard                | 373         | 1 Tbsp regular mustard                       | 175         |  |
| salad:                              |             | . 0  |             |  |
| 1/2 cup fresh cucumber slices       | 1           |  |             |  |
| 1/2 cup tomato wedges               | 5           |  |             |  |
| 1 Tbsp sunflower seeds              | 0           |  |             |  |
| 1 tsp Italian dressing, low calorie | 43          |  |             |  |
| 1/2 cup fruit cocktail, juice pack  | 5           |  |             |  |
| Dinner                              |             |  |             |  |
| 3 oz beef, eye of the round:        | 35          |  |             |  |
| 2 Tbsp beef gravy, fat-free         | 165         |  |             |  |
| 1 cup green beans, sautéed with:    | 12          |  |             |  |
| 1/2 tsp canola oil                  | 0           |  |             |  |
| 1 small baked potato:               | 14          |  |             |  |
| 1 Tbsp sour cream, fat-free         | 21          |  |             |  |
| 1 Tbsp grated natural cheddar       | 67          | 1 Tbsp natural cheddar cheese,               | 1           |  |
| cheese, reduced fat                 |             | reduced fat, low sodium                      |             |  |
| 1 Tbsp chopped scallions            | 1           |  |             |  |
| 1 small whole wheat roll:           | 148         |  |             |  |
| 1 tsp soft (tub) margarine          | 26          | 1 tsp unsalted soft (tub) margarine          | 0           |  |
| 1 small apple                       | 1           |  |             |  |
| 1 cup low-fat milk                  | 107         |  |             |  |
| Snacks                              |             |  |             |  |
| 1/3 cup almonds, unsalted           | 0           |  |             |  |
| <sup>1</sup> /4 cup raisins         | 4           |  |             |  |
| 1/2 cup fruit yogurt, fat-free,     | 86          |  |             |  |
| no sugar added                      |             |  |             |  |
| Totals                              | 2,101       |  | 1,507       |  |
|                                     |             |  |             |  |

### \* Recipe on page 45

|                             | Sodiur   | n Level  |
|-----------------------------|----------|----------|
| Nutrients Per Day           | 2,300 mg | 1,500 mg |
| Calories                    | 2,062    | 2,037    |
| Total fat                   | 63 g     | 59 g     |
| Calories from fat           | 28 %     | 26 %     |
| Saturated fat               | 13 g     | 12 g     |
| Calories from saturated fat | 6 %      | 5 %      |
| Cholesterol                 | 155 mg   | 155 mg   |
| Sodium                      | 2,101 mg | 1,507 mg |

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| Number of Servings by DASH Food Group |            |        |                  |                             |                             |                  |                            |
|---------------------------------------|------------|--------|------------------|-----------------------------|-----------------------------|------------------|----------------------------|
| Grains                                | Vegetables | Fruits | Milk<br>Products | Meats, Fish,<br>and Poultry | Nuts, Seeds,<br>and Legumes | Fats and<br>Oils | Sweets and<br>Added Sugars |
| 1                                     |            | 1      |                  |                             |                             |                  |                            |
| 1                                     |            |        | 1                |                             |                             |                  |                            |
| 1                                     |            | 2      |                  |                             |                             | 1                |                            |
|                                       |            |        |                  | 3                           |                             | 1                |                            |
| 2                                     |            |        |                  |                             |                             |                  |                            |
|                                       | 1          |        |                  |                             |                             |                  |                            |
|                                       | 1<br>1     |        |                  |                             | 1/2                         |                  |                            |
|                                       |            |        |                  |                             | 1/2                         |                  |                            |
|                                       |            | 1      |                  |                             |                             |                  |                            |
|                                       |            |        |                  | 3                           |                             |                  |                            |
|                                       | 2          |        |                  |                             |                             |                  |                            |
|                                       | 1          |        |                  |                             |                             | 1/2              |                            |
|                                       | 1          |        |                  |                             |                             |                  |                            |
|                                       |            |        |                  |                             |                             |                  |                            |
| 1                                     |            |        |                  |                             |                             |                  |                            |
|                                       |            | 1      |                  |                             |                             | 1                |                            |
|                                       |            | 1      | 1                |                             |                             |                  |                            |
|                                       |            |        |                  |                             | 1                           |                  |                            |
|                                       |            | 1      | 1/2              |                             |                             |                  |                            |
|                                       |            |        |                  |                             |                             |                  |                            |
| 5                                     | 5          | 6      | 21/2             | 6                           | 11/2                        | 31/2             | 0                          |

|                   |      | Sodium Level |          |  |
|-------------------|------|--------------|----------|--|
| Nutrients Per Day | 2,30 | 0 mg         | 1,500 mg |  |
| Carbohydrate      | 28   | 84 g         | 284 g    |  |
| Protein           | 11   | 4 g          | 115 g    |  |
| Calcium           | 1,22 | 0 mg         | 1,218 mg |  |
| Magnesium         | 59   | 4 mg         | 580 mg   |  |
| Potassium         | 4,90 | 9 mg         | 4,855 mg |  |
| Fiber             | 3    | 7 g          | 36 g     |  |

| 2,300 mg Sodium Menu  | Sodium (mg) | Substitution To Reduce<br>Sodium to 1,500 mg               | Sodium (mg) |  |
|---|-------------|--|-------------|--|
| Breakfast 1/2 cup instant oatmeal                           | 54          | <sup>1</sup> /2 cup regular oatmeal with<br>1 tsp cinnamon | 5           |  |
| 1 mini whole wheat bagel:                                   | 84          |  |             |  |
| 1 Tbsp peanut butter  | 81          |  |             |  |
| 1 medium banana   | 1           |  |             |  |
| 1 cup low-fat milk  | 107         |  |             |  |
| 1   |             |  |             |  |
| Lunch   |             |  |             |  |
| chicken breast sandwich:                                    | 0.5         |  |             |  |
| 3 oz chicken breast, skinless                               | 65          |  |             |  |
| 2 slices whole wheat bread                                  | 299         | 1. (2)   | 0           |  |
| 1 slice ( <sup>3</sup> / <sub>4</sub> oz) natural cheddar   | 202         | 1 slice ( <sup>3</sup> / <sub>4</sub> oz) natural Swiss    | 3           |  |
| cheese, reduced fat   |             | cheese, low sodium   |             |  |
| 1 large leaf romaine lettuce                                | 1           |  |             |  |
| 2 slices tomato   | 2           |  |             |  |
| 1 Tbsp mayonnaise, low-fat                                  | 101         |  |             |  |
| 1 cup cantaloupe chunks                                     | 26          |  |             |  |
| 1 cup apple juice   | 21          |  |             |  |
| Dinner  |             |  |             |  |
| 1 cup spaghetti:  | 1           |  |             |  |
| <sup>3</sup> / <sub>4</sub> cup vegetarian spaghetti sauce* | 479         | Substitute low-sodium tomato                               | 253         |  |
| 1 0 1 0   |             | paste (6 oz) in recipe*                                    |             |  |
| 3 Tbsp Parmesan cheese                                      | 287         | • • • • •  |             |  |
| spinach salad:  |             |  |             |  |
| 1 cup fresh spinach leaves                                  | 24          |  |             |  |
| 1/4 cup fresh carrots, grated                               | 19          |  |             |  |
| 1/4 cup fresh mushrooms, sliced                             | 1           |  |             |  |
| 1 Tbsp vinaigrette dressing <sup>†</sup>                    | 1           |  |             |  |
| 1/2 cup corn, cooked from frozen                            | 1           |  |             |  |
| <sup>1</sup> / <sub>2</sub> cup canned pears, juice pack    | 5           |  |             |  |
| Snacks  |             |  |             |  |
| <sup>1</sup> / <sub>3</sub> cup almonds, unsalted           | 0           |  |             |  |
| <sup>1</sup> / <sub>4</sub> cup dried apricots              | 3           |  |             |  |
| 1 cup fruit yogurt, fat-free,                               | 173         |  |             |  |
| no sugar added  | 1/3         |  |             |  |
|   |             |  | 4 705       |  |
| Totals  | 2,035       |  | 1,560       |  |
|   |             |  |             |  |

<sup>\*</sup> Recipe on page 46 † Recipe on page 47

|                             | Sodium Level |          |  |
|-----------------------------|--------------|----------|--|
| Nutrients Per Day           | 2,300 mg     | 1,500 mg |  |
| Calories                    | 2,027        | 2,078    |  |
| Total fat                   | 64 g         | 68 g     |  |
| Calories from fat           | 28 %         | 30 %     |  |
| Saturated fat               | 13 g         | 16 g     |  |
| Calories from saturated fat | 6 %          | 7 %      |  |
| Cholesterol                 | 114 mg       | 129 mg   |  |
| Sodium                      | 2,035 mg     | 1,560 mg |  |

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| Number of Servings by DASH Food Group |                                    |        |                  |                             |                             |                  |                            |
|---------------------------------------|------------------------------------|--------|------------------|-----------------------------|-----------------------------|------------------|----------------------------|
| Grains                                | Vegetables                         | Fruits | Milk<br>Products | Meats, Fish,<br>and Poultry | Nuts, Seeds,<br>and Legumes | Fats and<br>Oils | Sweets and<br>Added Sugars |
| 1                                     |                                    |        |                  |                             |                             |                  |                            |
| 1                                     |                                    |        |                  |                             | 1/2                         |                  |                            |
|                                       |                                    | 1      | 1                |                             | 72                          |                  |                            |
|                                       |                                    |        | 1                |                             |                             |                  |                            |
|                                       |                                    |        |                  | 3                           |                             |                  |                            |
| 2                                     |                                    |        | 1/2              | Ü                           |                             |                  |                            |
|                                       |                                    |        | 1/2              |                             |                             |                  |                            |
|                                       | 1/ <sub>4</sub><br>1/ <sub>2</sub> |        |                  |                             |                             |                  |                            |
|                                       |                                    | 2      |                  |                             |                             | 1                |                            |
|                                       |                                    | 2<br>2 |                  |                             |                             |                  |                            |
| 2                                     |                                    |        |                  |                             |                             |                  |                            |
|                                       | 11/2                               |        |                  |                             |                             |                  |                            |
|                                       |                                    |        | 1/2              |                             |                             |                  |                            |
|                                       | 1                                  |        |                  |                             |                             |                  |                            |
|                                       | 1<br>1/2<br>1/2                    |        |                  |                             |                             |                  |                            |
|                                       | 1                                  |        |                  |                             |                             | 1/2              |                            |
|                                       |                                    | 1      |                  |                             |                             |                  |                            |
|                                       |                                    |        |                  |                             | 1                           |                  |                            |
|                                       |                                    | 1      | 1                |                             |                             |                  |                            |
|                                       |                                    |        |                  |                             |                             |                  |                            |
| 6                                     | 51/4                               | 7      | 3                | 3                           | 11/2                        | 11/2             | 0                          |

|                   | Sodium Level |          |  |
|-------------------|--------------|----------|--|
| Nutrients Per Day | 2,300 mg     | 1,500 mg |  |
| Carbohydrate      | 288 g        | 290 g    |  |
| Protein           | 99 g         | 100 g    |  |
| Calcium           | 1,370 mg     | 1,334 mg |  |
| Magnesium         | 535 mg       | 542 mg   |  |
| Potassium         | 4,715 mg     | 4,721 mg |  |
| Fiber             | 34 g         | 34 g     |  |

### Day 3

| 2,300 mg Sodium Menu                                | Sodium (mg) | Substitution To Reduce<br>Sodium to 1,500 mg | Sodium (mg) |  |
|---|-------------|--|-------------|--|
| Breakfast   |             |  |             |  |
| <sup>3</sup> / <sub>4</sub> cup bran flakes cereal: | 220         | 2 cups puffed wheat cereal                   | 1           |  |
| 1 medium banana                                     | 1           | 2 cups puried wheat cerear                   | 1           |  |
| 1 cup low-fat milk                                  | 107         |  |             |  |
| 1 slice whole wheat bread:                          | 149         |  |             |  |
| 1 tsp soft (tub) margarine                          | 26          | 1 tsp unsalted soft (tub) margarine          | 0           |  |
| 1 cup orange juice                                  | 6           | 1 tsp tributed soft (tdb) margarine          | U           |  |
|   | U           |  |             |  |
| Lunch   |             |  |             |  |
| beef barbeque sandwich:                             |             |  |             |  |
| 2 oz beef, eye of round                             | 26          |  |             |  |
| 1 Tbsp barbeque sauce                               | 156         |  |             |  |
| 2 slices (1½ oz) natural cheddar                    | 405         | 11/2 oz natural cheddar cheese,              | 9           |  |
| cheese, reduced fat                                 |             | reduced fat, low sodium                      |             |  |
| 1 hamburger bun                                     | 183         |  |             |  |
| 1 large leaf romaine lettuce                        | 1           |  |             |  |
| 2 slices tomato                                     | 2           |  |             |  |
| 1 cup new potato salad*                             | 17          |  |             |  |
| 1 medium orange                                     | 0           |  |             |  |
| Dinner  |             |  |             |  |
| 3 oz cod:   | 70          |  |             |  |
| 1 tsp lemon juice                                   | 1           |  |             |  |
| 1/2 cup brown rice                                  | 5           |  |             |  |
| 1 cup spinach, cooked from frozen,                  | 184         |  |             |  |
| sautéed with:                                       |             |  |             |  |
| 1 tsp canola oil                                    | 0           |  |             |  |
| 1 Tbsp almonds, slivered                            | 0           |  |             |  |
| 1 small cornbread muffin, made                      | 119         |  |             |  |
| with oil:   |             |  |             |  |
| 1 tsp soft (tub) margarine                          | 26          | 1 tsp unsalted soft (tub) margarine          | 0           |  |
| Snacks  |             |  |             |  |
| 1 cup fruit yogurt, fat-free,                       | 173         |  |             |  |
| no added sugar:                                     | 110         |  |             |  |
| 1 Tbsp sunflower seeds, unsalted                    | 0           |  |             |  |
| 2 large graham cracker rectangles:                  | 156         |  |             |  |
| 1 Tbsp peanut butter                                | 81          |  |             |  |
| Totals  |             |  | 1,447       |  |
| Totals  | 2,114       |  | 1,44/       |  |
|   |             |  |             |  |

\* Recipe on page 48

|                             | Sodium Level |          |  |  |
|-----------------------------|--------------|----------|--|--|
| Nutrients Per Day           | 2,300 mg     | 1,500 mg |  |  |
| Calories                    | 1,997        | 1,995    |  |  |
| Total fat                   | 56 g         | 52 g     |  |  |
| Calories from fat           | 25 %         | 24 %     |  |  |
| Saturated fat               | 12 g         | 11 g     |  |  |
| Calories from saturated fat | 6 %          | 5 %      |  |  |
| Cholesterol                 | 140 mg       | 140 mg   |  |  |
| Sodium                      | 2,114 mg     | 1,447 mg |  |  |

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| Week    |
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| With    |
| the     |
| DASH    |
| Eating  |
| Plan    |

|        |   | Number o | of Servings      | by DASH F                   | ood Group                   |                  |                            |
|--------|---|----------|------------------|-----------------------------|-----------------------------|------------------|----------------------------|
| Grains | Vegetables                              | Fruits   | Milk<br>Products | Meats, Fish,<br>and Poultry | Nuts, Seeds,<br>and Legumes | Fats and<br>Oils | Sweets and<br>Added Sugars |
| 1      |   |          |                  |                             |                             |                  |                            |
|        |   | 1        | 1                |                             |                             |                  |                            |
| 1      |   |          |                  |                             |                             | 1                |                            |
|        |   | 2        |                  |                             |                             |                  |                            |
|        |   |          |                  | 2                           |                             |                  |                            |
|        |   |          | 1                | ~                           |                             |                  |                            |
| 2      |   |          | 1                |                             |                             |                  |                            |
| ۵      | 1/ <sub>4</sub><br>1/ <sub>2</sub><br>2 |          |                  |                             |                             |                  |                            |
|        | 2                                       | 1        |                  |                             |                             |                  |                            |
|        |   | 1        |                  | 3                           |                             |                  |                            |
| 4      |   |          |                  | 3                           |                             |                  |                            |
| 1      | 2                                       |          |                  |                             |                             |                  |                            |
|        |   |          |                  |                             | 1/                          | 1                |                            |
| 1      |   |          |                  |                             | 1/4                         |                  |                            |
|        |   |          |                  |                             |                             | 1                |                            |
|        |   |          | 1                |                             |                             |                  |                            |
|        |   |          |                  |                             | 1/2                         |                  |                            |
| 1      |   |          |                  |                             | 1/2                         |                  |                            |
| 7      | 43/4                                    | 4        | 3                | 5                           | 11/4                        | 3                | 0                          |

|                   | Sodium Level |          |  |
|-------------------|--------------|----------|--|
| Nutrients Per Day | 2,300 mg     | 1,500 mg |  |
| Carbohydrate      | 289 g        | 283 g    |  |
| Protein           | 103 g        | 104 g    |  |
| Calcium           | 1,537 mg     | 1,524 mg |  |
| Magnesium         | 630 mg       | 598 mg   |  |
| Potassium         | 4,676 mg     | 4,580 mg |  |
| Fiber             | 34 g         | 31 g     |  |

### Day 4

| 2,300 mg Sodium Menu                                      | Sodium (mg) | Substitution To Reduce<br>Sodium to 1,500 mg                        | Sodium (mg) |  |
|---|-------------|---|-------------|--|
| Breakfast   |             |   |             |  |
| 1 slice whole wheat bread:                                | 149         |   |             |  |
| 1 tsp soft (tub) margarine                                | 26          | 1 tsp unsalted soft (tub) margarine                                 | 0           |  |
| 1 cup fruit yogurt, fat-free,                             | 173         | r isp unsuited soft (tub) margarine                                 | U           |  |
| no added sugar  | 175         |   |             |  |
| 1 medium peach  | 0           |   |             |  |
| <sup>1</sup> /2 cup grape juice                           | 4           |   |             |  |
| 1013  | 1           |   |             |  |
| Lunch ham and cheese sandwich:                            |             |   |             |  |
| 2 oz ham. low-fat. low sodium                             | 7.40        | 0 + b C + d d   | 0.0         |  |
| 1 slice ( <sup>3</sup> / <sub>4</sub> oz) natural cheddar | 549         | 2 oz roast beef tenderloin  | 23<br>4     |  |
| cheese, reduced fat                                       | 202         | 1 slice (3/4 oz) natural cheddar<br>cheese, reduced fat, low sodium | 4           |  |
| 2 slices whole wheat bread                                | 299         | cheese, reduced rat, low sodium                                     |             |  |
| 1 large leaf romaine lettuce                              | ~00         |   |             |  |
| 2 slices tomato   | 1 2         |   |             |  |
| 1 Tbsp mayonnaise, low-fat                                | 101         |   |             |  |
| 1 rosp mayorinaise, row-rat<br>1 cup carrot sticks        | 84          |   |             |  |
| 1 cup carrot sticks                                       | 04          |   |             |  |
| Dinner  |             |   |             |  |
| chicken and Spanish rice*                                 | 341         | substitute low-sodium tomato  | 215         |  |
|   |             | sauce (4 oz) in recipe*   |             |  |
| 1 cup green peas, sautéed with:                           | 115         |   |             |  |
| 1 tsp canola oil  | 0           |   |             |  |
| 1 cup cantaloupe chunks                                   | 26          |   |             |  |
| 1 cup low-fat milk  | 107         |   |             |  |
| Snacks  |             |   |             |  |
| 1/3 cup almonds, unsalted                                 | 0           |   |             |  |
| 1 cup apple juice   | 21          |   |             |  |
| 1/4 cup apricots  | 3           |   |             |  |
| 1 cup low-fat milk  | 107         |   |             |  |
| Totals  | 2,312       |   | 1,436       |  |

### \* Recipe on page 49

|                             | Sodiu    | Sodium Level |  |  |  |
|-----------------------------|----------|--------------|--|--|--|
| <b>Nutrients Per Day</b>    | 2,300 mg | 1,500 mg     |  |  |  |
| Calories                    | 2,024    | 2,045        |  |  |  |
| Total fat                   | 59 g     | 59 g         |  |  |  |
| Calories from fat           | 26 %     | 26 %         |  |  |  |
| Saturated fat               | 12 g     | 12 g         |  |  |  |
| Calories from saturated fat | 5 %      | 5 %          |  |  |  |
| Cholesterol                 | 148 mg   | 150 mg       |  |  |  |
| Sodium                      | 2,312 mg | 1,436 mg     |  |  |  |

| A Week \                  |
|---------------------------|
| k With the                |
| With the DASH Eating Plan |
| iting Plan                |

| Number of Servings by DASH Food Group |                                    |        |                  |                             |                             |                  |                            |
|---------------------------------------|------------------------------------|--------|------------------|-----------------------------|-----------------------------|------------------|----------------------------|
| Grains                                | Vegetables                         | Fruits | Milk<br>Products | Meats, Fish,<br>and Poultry | Nuts, Seeds,<br>and Legumes | Fats and<br>Oils | Sweets and<br>Added Sugars |
| 1                                     |                                    |        |                  |                             |                             | 1                |                            |
|                                       |                                    |        | 1                |                             |                             | 1                |                            |
|                                       |                                    |        |                  |                             |                             |                  |                            |
|                                       |                                    | 1<br>1 |                  |                             |                             |                  |                            |
|                                       |                                    | 1      |                  |                             |                             |                  |                            |
|                                       |                                    |        |                  |                             |                             |                  |                            |
|                                       |                                    |        | 1/2              | 2                           |                             |                  |                            |
|                                       |                                    |        | 1/2              |                             |                             |                  |                            |
| 2                                     |                                    |        |                  |                             |                             |                  |                            |
|                                       | 1/ <sub>4</sub><br>1/ <sub>2</sub> |        |                  |                             |                             |                  |                            |
|                                       | 1/2                                |        |                  |                             |                             | 1                |                            |
|                                       | 2                                  |        |                  |                             |                             |                  |                            |
| 1                                     |                                    |        |                  | 3                           |                             |                  |                            |
|                                       | 2                                  |        |                  |                             |                             |                  |                            |
|                                       |                                    | 2      |                  |                             |                             | 1                |                            |
|                                       |                                    | ۷      | 1                |                             |                             |                  |                            |
|                                       |                                    |        |                  |                             | 1                           |                  |                            |
|                                       |                                    | 2<br>1 |                  |                             |                             |                  |                            |
|                                       |                                    | 1      | 1                |                             |                             |                  |                            |
| 4                                     | 4 <sup>3</sup> / <sub>4</sub>      | 7      | 31/2             | 5                           | 1                           | 3                | 0                          |

|                          | Soc     | lium Level |
|--------------------------|---------|------------|
| <b>Nutrients Per Day</b> | 2,300 m | g 1,500 mg |
| Carbohydrate             | 279 g   | 278 g      |
| Protein                  | 110 g   | 116 g      |
| Calcium                  | 1,417 m | g 1,415 mg |
| Magnesium                | 538 m   | ıg 541 mg  |
| Potassium                | 4,575 m | g 4,559 mg |
| Fiber                    | 35 g    | 35 g       |

| 2,300 mg Sodium Menu  Breakfast  1 cup whole grain oat rings cereal: 1 medium banana 1 cup low-fat milk 1 cup orange juice  Lunch 1 tuna salad plate: 1/2 cup tuna salad* 1 slice whole wheat bread 1 slice whole wheat bread 1 cup fresh cucumber slices 1 cucumber salad: 1 cup fresh cucumber slices 1 cup fresh cucumber slices 1 cup fresh cucumber slices 1 cup canned pineapple, juice pack 1 Tbsp pannut sunsalted 0  Dinner 3 oz turkey meatloaf¹ 1 small baked potato: 1 small baked potat   |                                     |             |   |             |  |
|--|-------------------------------------|-------------|---|-------------|--|
| 1 cup whole grain oat rings cereal: 1 medium banana 1 cup low-fat milk 107 1 medium raisin bagel: 272 1 Tbsp peanut butter 273 1 Tbsp peanut butter 3 tup frosted shredded wheat 4 1 toup orange juice 272 1 Tbsp peanut butter 3 toup orange juice 273 1 Tbsp peanut butter, unsalted 3 toup orange juice 275 2 Lunch 1 large leaf romaine lettuce 1 slice whole wheat bread 1 tup fresh cucumber slices 1 cup fresh cucumber slices 2 l/2 cup tomato wedges 5 1 Tbsp vinaigrette dressing 1/2 cup canned pineapple, juice pack 1 Tbsp almonds, unsalted 0  2 Dinner 3 oz turkey meatloaf¹ 2 substitute low-sodium ketchup in recipe¹ 1 small baked potato: 1 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 0 tsmall whole wheat roll 1 medium peach 0  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0  Constant  1 tup frosted shredded wheat 4 1 Tbsp peanut butter, unsalted 3 1 Tbsp peanut butter, unsalted 3 1 Tbsp peanut butter, unsalted 3 1 Tbsp peanut butter, unsalted 4 1 Tbsp peanut butter, unsalted 3 1 Tbsp peanut butter, unsalted 3 2 Tbsp peanut butter, unsalted 4 1 Tbsp peanut butter, unsalted 3 2 Tbsp peanut butter, unsalted 4 1 Tbsp peanut butter, unsalted 3 2 Tbsp sund butter, unsalted 3 2 Tbsp sund butter, unsalted 4 1 Tbsp peanut butter, unsalted 3 2 Tbsp sund butter, unsalted 3 2 Tbsp sund butter, unsalted 4 1 Tbsp peanut butter, unsalted 3 2 Tbsp sund butter, unsalted 4 1 Tbsp peanut butter, unsalted 3 2 Tbsp sund butter, unsalted 4 1 Tbsp peanut butter, unsalted 3 2 Tbsp sund butter, unsalted 4 1 Tbsp peanut butter, unsalted 3 1 Tbsp panut butter, unsalted 3 1 Tbsp peanut butter, unsalted 3 1 Tbsp panut butter, unsalted 3 1 Tbsp peanut butter, unsalted 3 1 Tbsp peanut butter, unsalted 3 1 Tbsp panut butter, unsalted 3 1 Tbsp panut butter, unsalted 3 1 Tbsp panut butter, unsalted 3 1 T   | 2,300 mg Sodium Menu                | Sodium (mg) |   | Sodium (mg) |  |
| 1 medium banana 1 cup low-fat milk 107 1 medium raisin bagel: 272 1 Tbsp peanut butter 81 1 cup orange juice 5  Lunch tuna salad plate: 172 1 large leaf romaine lettuce 1 slice whole wheat bread 149 1 cup fresh cucumber slices 2 1/2 cup tuma salad* 1 cup fresh cucumber slices 5 1 Tbsp vinaigrette dressing 133 1/2 cup cottage cheese, low-fat: 459 1/2 cup contage cheese, low-fat: 459 1/2 cup canned pineapple, juice pack 1 Tbsp almonds, unsalted 0  Dinner 3 oz turkey meatloaf‡ 205 1 small baked potato: 1 1 small baked potato: 1 1 tup collard greens, sautéed with: 1 cup collard greens, sautéed with: 1 tsp canola oil 0 1 small whole wheat roll 148 1 medium peach 0  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0  | Breakfast                           |             |   |             |  |
| 1 cup low-fat milk   | 1 cup whole grain oat rings cereal: | 273         | 1 cup frosted shredded wheat                  | 4           |  |
| 1 medium raisin bagel: 1 Tbsp peanut butter 1 toup orange juice  Lunch tuna salad plate: 1/2 cup tuna salad* 1 large leaf romaine lettuce 1 slice whole wheat bread 1 cup fresh cucumber slices 1/2 cup tomato wedges 5 1 Tbsp vinaigrette dressing 1/2 cup cottage cheese, low-fat: 1 Tbsp almonds, unsalted  Dinner 3 oz turkey meatloaf‡ 2 substitute low-sodium ketchup in recipe‡  1 small baked potato: 1 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 small whole wheat roll 1 medium peach 0  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0  Times  1 Tbsp pannut butter, unsalted 3  1 Tbsp peanut butter, unsalted 3  1 Tbs   |                                     | 1           | •   |             |  |
| 1 Tbsp peanut butter 1 cup orange juice  Lunch  tuna salad plate:  1/2 cup tuna salad* 1 targe leaf romaine lettuce 1 slice whole wheat bread  1 toup fresh cucumber slices 2 1/2 cup tomato wedges 5 1 Tbsp vinaigrette dressing 1/2 cup canned pineapple, juice pack 1 Tbsp almonds, unsalted  Dinner 3 oz turkey meatloaf† 2 the spantural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 1 medium peach  1 Tbsp sunflower seeds, unsalted  1 Tbsp sunflower seeds, unsalted  1 Tbsp sunflower seeds, unsalted  2 Tbsp sunflower seeds, unsalted  3 Tbsp suntleuter, unsalted 3 Tbsp peanut butter, unsalted 4 Thsp peanut butter, unsalted 4 Whole wheat crackers, 5 low sodium 5 Substitute low-sodium ketchup in recipe‡ 1 Tbsp natural cheddar cheese, reduced fat, and low sodium 1 Tbsp natural cheddar cheese, reduced fat, and low sodium 1 Tbsp natural cheddar cheese, reduced fat, and low sodium 1 Tbsp natural cheddar cheese, reduced fat, and low sodium 1 Tbsp canola oil 0 Tbsp natural cheddar cheese, 1 Tbsp natural cheddar cheese, 1 Tbsp unsalted  | 1 cup low-fat milk                  | 107         |   |             |  |
| Lunch tuna salad plate:  1/2 cup tuna salad* 1 large leaf romaine lettuce 1 slice whole wheat bread 149 6 whole wheat crackers, low sodium  cucumber salad: 1 cup fresh cucumber slices 2 1/2 cup tomato wedges 5 1 Tbsp vinaigrette dressing 1/2 cup cottage cheese, low-fat: 1 Tbsp almonds, unsalted 0  Dinner 3 oz turkey meatloaf‡ 205 1 small baked potato: 1 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 1 medium peach 0  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0  Converted to the whole wheat crackers, 1 to the whole wheat c   | 1 medium raisin bagel:              | 272         |   |             |  |
| Lunch tuna salad plate:  1/2 cup tuna salad* 1 large leaf romaine lettuce 1 slice whole wheat bread 149 6 whole wheat crackers, low sodium  cucumber salad: 1 cup fresh cucumber slices 2 1/2 cup tomato wedges 5 1 Tbsp vinaigrette dressing 133 1/2 cup cottage cheese, low-fat: 459 1/2 cup canned pineapple, juice pack 1 Tbsp almonds, unsalted 0  Dinner 3 oz turkey meatloaf‡ 205 1 small baked potato: 1 Tbsp sour cream, fat-free 21 1 Tbsp sour cream, fat-free 21 1 Tbsp sour cream, fat-free 21 1 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 0 small whole wheat roll 1 medium peach 0  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0  171 1 de whole wheat crackers, 1 low sodium 2 Tbsp yogurt dressing, fat-free† 66 6 swhole wheat crackers, 1 trosp yogurt dressing, fat-free† 66 6 substitute low-sodium ketchup in recipe‡ 1 Tbsp natural cheddar cheese, reduced fat, and low sodium 1 toup collard greens, sautéed with: 1 tsp canola oil 1 temedium peach 0  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0  | 1 Tbsp peanut butter                | 81          | 1 Tbsp peanut butter, unsalted                | 3           |  |
| tuna salad plate:  1/2 cup tuna salad*  1 large leaf romaine lettuce  1 slice whole wheat bread  149  6 whole wheat crackers, 53  low sodium  cucumber salad:  1 cup fresh cucumber slices  1/2 cup tomato wedges  5 1 Tbsp vinaigrette dressing  133  1/2 cup cottage cheese, low-fat:  1/2 cup canned pineapple, juice pack  1 Tbsp almonds, unsalted   Dinner  3 oz turkey meatloaf‡  205  1 small baked potato:  1 Tbsp natural cheddar cheese, 67  1 Tbsp natural cheddar cheese, 67  1 Tbsp natural cheddar cheese, 67  1 cup collard greens, sautéed with:  1 tsp canola oil  1 medium peach  Cucumber salad*  1 tow few hoet troll  1 tow collard greens, sautéed with:  1 tsp canola oil  1 medium peach  O  Snacks  1 cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted  O  Cucumber and sund sund sodium  1 total contact crackers, 1 unsalted  1 medium peach  O  Snacks  1 cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted  O  Cucumber and sund sund sodium  171  1 de whole wheat crackers, 53  Low hole wheat crackers, 53  Low sodium  2 Tbsp yogurt dressing, fat-free†  66  6 substitute low-sodium ketchup in recipe‡  1 Tbsp natural cheddar cheese, 1 reduced fat, and low sodium  1 tup collard greens, sautéed with:  1 tsp canola oil   | 1 cup orange juice                  | 5           |   |             |  |
| tuna salad plate:  1/2 cup tuna salad*  1 large leaf romaine lettuce  1 slice whole wheat bread  149  6 whole wheat crackers, 53  low sodium  cucumber salad:  1 cup fresh cucumber slices  1/2 cup tomato wedges  5 1 Tbsp vinaigrette dressing  133  1/2 cup cottage cheese, low-fat:  1/2 cup canned pineapple, juice pack  1 Tbsp almonds, unsalted   Dinner  3 oz turkey meatloaf‡  205  1 small baked potato:  1 Tbsp natural cheddar cheese, 67  1 Tbsp natural cheddar cheese, 67  1 Tbsp natural cheddar cheese, 67  1 cup collard greens, sautéed with:  1 tsp canola oil  1 medium peach  Cucumber salad*  1 tow few hoet troll  1 tow collard greens, sautéed with:  1 tsp canola oil  1 medium peach  O  Snacks  1 cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted  O  Cucumber and sund sund sodium  1 total contact crackers, 1 unsalted  1 medium peach  O  Snacks  1 cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted  O  Cucumber and sund sund sodium  171  1 de whole wheat crackers, 53  Low hole wheat crackers, 53  Low sodium  2 Tbsp yogurt dressing, fat-free†  66  6 substitute low-sodium ketchup in recipe‡  1 Tbsp natural cheddar cheese, 1 reduced fat, and low sodium  1 tup collard greens, sautéed with:  1 tsp canola oil   | Lunch                               |             |   |             |  |
| 1/2 cup tuna salad* 1 large leaf romaine lettuce 1 slice whole wheat bread 1 large leaf romaine lettuce 1 slice whole wheat bread 1 slice whole wheat crackers, 1 low sodium  cucumber salad: 1 cup fresh cucumber slices 2 l/2 cup tomato wedges 5 l Tbsp vinaigrette dressing 1 l/2 cup cottage cheese, low-fat: 1/2 cup canned pineapple, juice pack 1 Tbsp almonds, unsalted 0  Dinner 3 oz turkey meatloaf‡ 205 substitute low-sodium ketchup in recipe‡ 1 small baked potato: 1 trbsp natural cheddar cheese, 1 reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 1 small whole wheat roll 1 medium peach 0  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0  1 reduced fat, and low sodium 1 trougourt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0   |                                     |             |   |             |  |
| 1 large leaf romaine lettuce 1 slice whole wheat bread 149 6 whole wheat crackers, 1 slice whole wheat bread  149 6 whole wheat crackers, 1 low sodium  cucumber salad: 1 cup fresh cucumber slices 2 l/2 cup tomato wedges 5 1 Tbsp vinaigrette dressing 1/2 cup cottage cheese, low-fat: 1/2 cup canned pineapple, juice pack 1 Tbsp almonds, unsalted  Dinner 3 oz turkey meatloaf‡ 205 substitute low-sodium ketchup in recipe‡  1 small baked potato: 1 Tbsp sour cream, fat-free 21 1 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 1 small whole wheat roll 1 medium peach  Csnacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted  1 173 2 Tbsp sunflower seeds, unsalted  1 189 6 whole wheat crackers, 153 6 whole wheat crackers, 153 6 whole wheat crackers, 154 1 Tbsp yogurt dressing, fat-free† 66 1 Tbsp y   |                                     | 171         |   |             |  |
| 1 slice whole wheat bread  1 slice whole wheat bread  1 cucumber salad:  1 cup fresh cucumber slices  2 l/2 cup tomato wedges  5 Tbsp vinaigrette dressing  1/2 cup cottage cheese, low-fat: 459  1/2 cup canned pineapple, juice pack 1 Tbsp almonds, unsalted  0  Dinner  3 oz turkey meatloaf‡  205  1 small baked potato: 1 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 1 small whole wheat roll 1 medium peach  1 slice whole wheat crackers, low sodium  1 sodium  1 de whole wheat crackers, low sodium  2 Tbsp yogurt dressing, fat-free† 66  8 substitute low-sodium ketchup in recipe‡  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 toup collard greens, sautéed with: 1 tsp canola oil 0 1 small whole wheat roll 1 tag canola oil 1  |                                     |             |   |             |  |
| cucumber salad:  1 cup fresh cucumber slices  2 1/2 cup tomato wedges  5 1 Tbsp vinaigrette dressing  1/2 cup cottage cheese, low-fat:  1 Tbsp almonds, unsalted  Columnar  3 oz turkey meatloaf‡  1 small baked potato:  1 Tbsp sour cream, fat-free  1 Tbsp natural cheddar cheese, reduced fat, grated  1 scallion stalk, chopped  1 cup collard greens, sautéed with:  1 tmedium peach  I medium peach  I cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted  I cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted  I cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted  I cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted  I cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted  I cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted   |                                     | 149         | 6 whole wheat crackers.                       | 53          |  |
| 1 cup fresh cucumber slices  1/2 cup tomato wedges  1 Tbsp vinaigrette dressing  1/2 cup cottage cheese, low-fat:  1/2 cup canned pineapple, juice pack  1 Tbsp almonds, unsalted   Dinner  3 oz turkey meatloaf <sup>‡</sup> 1 small baked potato:  1 Tbsp sour cream, fat-free  1 Tbsp natural cheddar cheese, reduced fat, grated  1 scallion stalk, chopped  1 cup collard greens, sautéed with:  1 tsp canola oil  1 medium peach  Cnacks  1 cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted  2 Tbsp sunflower seeds, unsalted  2 Tbsp yogurt dressing, fat-free    6 Stacks  1 Tbsp yogurt dressing, fat-free    1 Tbsp yogurt dressing, fat-free    6 Stacks  1 Tbsp yogurt dressing, fat-free    6 Stacks  1 Tbsp yogurt dressing, fat-free   |                                     |             |   |             |  |
| 1/2 cup tomato wedges  1 Tbsp vinaigrette dressing 1/2 cup cottage cheese, low-fat: 1/2 cup canned pineapple, juice pack 1 Tbsp almonds, unsalted  Dinner 3 oz turkey meatloaf <sup>‡</sup> 205 substitute low-sodium ketchup in recipe <sup>‡</sup> 1 small baked potato: 1 Tbsp sour cream, fat-free 21 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 small whole wheat roll 1 medium peach  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted  5 2 Tbsp yogurt dressing, fat-free <sup>†</sup> 66 Tbsp yogurt dressing, fat-free <sup>†</sup> 66 Tbsp yogurt dressing, fat-free <sup>†</sup> 66 Tbsp yogurt dressing, fat-free <sup>†</sup> 67 Tbsp yogurt dressing, fat-free <sup>†</sup> 68 Tbsp yogurt dressing, fat-free <sup>†</sup> 69 Tbsp yogurt dressing, fat-free <sup>†</sup> 69 Tbsp yogurt dressing, fat-free <sup>†</sup> | cucumber salad:                     |             |   |             |  |
| 1 Tbsp vinaigrette dressing  1/2 cup cottage cheese, low-fat:  1/2 cup canned pineapple, juice pack  1 Tbsp almonds, unsalted  Dinner  3 oz turkey meatloaf‡  1 small baked potato:  1 Tbsp sour cream, fat-free  1 Tbsp natural cheddar cheese, reduced fat, grated  1 scallion stalk, chopped  1 cup collard greens, sautéed with:  1 small whole wheat roll  1 medium peach  Snacks  1 cup fruit yogurt, fat-free, no added sugar  2 Tbsp yogurt dressing, fat-free†  66  1 Tbsp yogurt dressing, fat-free†  66  67  1 Tbsp natural chedure cheese, reduced fat, and low sodium and low sodiu   | 1 cup fresh cucumber slices         | 2           |   |             |  |
| 1/2 cup cottage cheese, low-fat:  1/2 cup canned pineapple, juice pack 1 Tbsp almonds, unsalted  Dinner 3 oz turkey meatloaf‡ 205 substitute low-sodium ketchup in recipe‡  1 small baked potato: 1 Tbsp sour cream, fat-free 21 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 1 small whole wheat roll 1 medium peach  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted  1 double wheat role  1 to provide the substitute low-sodium ketchup in recipe‡  1 Tbsp natural cheddar cheese, reduced fat, and low sodium 1 to patient the substitute low-sodium ketchup in recipe‡  1 Tbsp natural cheddar cheese, reduced fat, and low sodium 1 scallion stalk, chopped 1 tup collard greens, sautéed with: 1 trap canola oil 1 tra   | 1/2 cup tomato wedges               | 5           |   |             |  |
| 1/2 cup canned pineapple, juice pack 1 Tbsp almonds, unsalted  Dinner 3 oz turkey meatloaf‡ 205 substitute low-sodium ketchup in recipe‡  1 small baked potato: 1 Tbsp sour cream, fat-free 21 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 small whole wheat roll 1 small whole wheat roll  1 medium peach  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted  1 substitute low-sodium ketchup in recipe‡  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 small and low sodium  1 swall melba toast crackers, unsalted  1 medium peach  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted  0   |                                     | 133         | 2 Tbsp yogurt dressing, fat-free <sup>†</sup> | 66          |  |
| 1 Tbsp almonds, unsalted  Dinner 3 oz turkey meatloaf‡ 205 substitute low-sodium ketchup in recipe‡  1 small baked potato: 1 Tbsp sour cream, fat-free 21 1 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 1 small whole wheat roll 1 medium peach  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted  O substitute low-sodium ketchup in recipe‡  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 scallion stalk, chopped 1 swall melba toast crackers, unsalted  1 medium peach 0 snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0   | 1/2 cup cottage cheese, low-fat:    | 459         | . , ,   |             |  |
| Dinner  3 oz turkey meatloaf‡  205  substitute low-sodium ketchup in recipe‡  1 small baked potato: 1 Tbsp sour cream, fat-free 21  1 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 1 small whole wheat roll 1 medium peach  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted  205  substitute low-sodium ketchup in recipe‡  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 small whole wheat roll  6 small melba toast crackers, unsalted  1 Tbsp sunflower seeds, unsalted  0  |                                     | 1           |   |             |  |
| 3 oz turkey meatloaf‡  1 small baked potato:  1 Tbsp sour cream, fat-free  1 Tbsp natural cheddar cheese, reduced fat, grated  1 scallion stalk, chopped  1 cup collard greens, sautéed with:  1 small whole wheat roll  1 medium peach  Snacks  1 cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted  205 substitute low-sodium ketchup in recipe‡  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 Spantare reduced fat, and low sodium  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 turbsp natural cheddar cheese, re   | 1 Tbsp almonds, unsalted            | 0           |   |             |  |
| 3 oz turkey meatloaf‡  1 small baked potato:  1 Tbsp sour cream, fat-free  1 Tbsp natural cheddar cheese, reduced fat, grated  1 scallion stalk, chopped  1 cup collard greens, sautéed with:  1 small whole wheat roll  1 medium peach  Snacks  1 cup fruit yogurt, fat-free, no added sugar  2 Tbsp sunflower seeds, unsalted  205 substitute low-sodium ketchup in recipe‡  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 Spantare reduced fat, and low sodium  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 Tbsp natural cheddar cheese, reduced fat, and low sodium  1 turbsp natural cheddar cheese, re   | Dinner                              |             |   |             |  |
| 1 Tbsp sour cream, fat-free 21 1 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 1 small whole wheat roll 1 medium peach  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted  1 Tbsp natural cheddar cheese, reduced fat, and low sodium 1 small whole wheat roll 6 small melba toast crackers, unsalted  1 Tbsp natural cheddar cheese, reduced fat, and low sodium 1 small whole wheat roll 6 small melba toast crackers, unsalted  1 Tbsp natural cheddar cheese, reduced fat, and low sodium 1 reduced fat, and low sodium 1 truncation of the state of the small melba toast crackers, unsalted   |                                     | 205         |   | 74          |  |
| 1 Tbsp natural cheddar cheese, reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 1 small whole wheat roll 1 medium peach 0  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 1 Tbsp natural cheddar cheese, reduced fat, and low sodium 1 reduced fat, and low sodium 1 small whole wheat roll 6 small melba toast crackers, unsalted 1 medium peach 0  | 1 small baked potato:               | 14          |   |             |  |
| reduced fat, grated 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 1 small whole wheat roll 1 medium peach 0  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted  reduced fat, and low sodium 1 freduced fat, and low sodium 1 the state of the state of the section of the state of the state of the section of the state o   |                                     | 21          |   |             |  |
| 1 scallion stalk, chopped 1 cup collard greens, sautéed with: 1 tsp canola oil 0 small whole wheat roll 1 medium peach 0 snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0  | 1                                   | 67          |   | 1           |  |
| 1 cup collard greens, sautéed with:  1 tsp canola oil  1 small whole wheat roll  1 medium peach  Snacks  1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted  85  0  6 small melba toast crackers, unsalted  1 medium peach  0  Snacks  1 cup fruit yogurt, fat-free, no added sugar 0   |                                     |             | reduced fat, and low sodium                   |             |  |
| 1 tsp canola oil 1 small whole wheat roll 1 medium peach 0 Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0 6 small melba toast crackers, unsalted 1 73 0 173  |                                     | _           |   |             |  |
| 1 small whole wheat roll 1 medium peach 0  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0  148 6 small melba toast crackers, unsalted 0  173   |                                     |             |   |             |  |
| 1 medium peach 0  Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0   |                                     | -           |   |             |  |
| Snacks 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0   | 1 small whole wheat roll            | 148         | · · · · · · · · · · · · · · · · · · ·         | 1           |  |
| 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0  | 1 medium peach                      | 0           |   |             |  |
| 1 cup fruit yogurt, fat-free, no added sugar 2 Tbsp sunflower seeds, unsalted 0  | Snacks                              |             |   |             |  |
| 2 Tbsp sunflower seeds, unsalted 0   |                                     | 173         |   |             |  |
|  |                                     |             |   |             |  |
| 7, 1   | •                                   |             |   | 1,519       |  |
|  |                                     | 3,0.0       | <u> </u>                                      | 1           |  |

| * | Recipe | on | page | 50 |
|---|--------|----|------|----|
|   |        |    |      |    |

<sup>†</sup> Recipe on page 51

|                             | Sodiur   | Sodium Level |  |  |
|-----------------------------|----------|--------------|--|--|
| Nutrients Per Day           | 2,300 mg | 1,500 mg     |  |  |
| Calories                    | 1,976    | 2,100        |  |  |
| Total fat                   | 57 g     | 52 g         |  |  |
| Calories from fat           | 26 %     | 22 %         |  |  |
| Saturated fat               | 11 g     | 11 g         |  |  |
| Calories from saturated fat | 5 %      | 5 %          |  |  |
| Cholesterol                 | 158 mg   | 158 mg       |  |  |
| Sodium                      | 2,373 mg | 1,519 mg     |  |  |

<sup>‡</sup> Recipe on page 50

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| Number of Servings by DASH Food Group |            |        |                  |                             |                             |                  |                            |  |
|---------------------------------------|------------|--------|------------------|-----------------------------|-----------------------------|------------------|----------------------------|--|
| Grains                                | Vegetables | Fruits | Milk<br>Products | Meats, Fish,<br>and Poultry | Nuts, Seeds,<br>and Legumes | Fats and<br>Oils | Sweets and<br>Added Sugars |  |
| 1                                     |            | 1      |                  |                             |                             |                  |                            |  |
|                                       |            | 1      | 1                |                             |                             |                  |                            |  |
| 2                                     |            |        |                  |                             | 1/2                         |                  |                            |  |
|                                       |            | 2      |                  |                             | 1/2                         |                  |                            |  |
|                                       |            |        |                  |                             |                             |                  |                            |  |
|                                       |            |        |                  | 3                           |                             |                  |                            |  |
| 1                                     | 1/4        |        |                  |                             |                             |                  |                            |  |
| 1                                     |            |        |                  |                             |                             |                  |                            |  |
|                                       | 9          |        |                  |                             |                             |                  |                            |  |
|                                       | 2<br>1     |        |                  |                             |                             |                  |                            |  |
|                                       |            |        | 1/4              |                             |                             | 1                |                            |  |
|                                       |            | 1      | 7.4              |                             |                             |                  |                            |  |
|                                       |            |        |                  |                             | 1/4                         |                  |                            |  |
|                                       |            |        |                  | 3                           |                             |                  |                            |  |
|                                       | 1          |        |                  |                             |                             |                  |                            |  |
|                                       |            |        |                  |                             |                             |                  |                            |  |
|                                       |            |        |                  |                             |                             |                  |                            |  |
|                                       | 2          |        |                  |                             |                             |                  |                            |  |
|                                       | ۵          |        |                  |                             |                             | 1                |                            |  |
| 1                                     |            |        |                  |                             |                             |                  |                            |  |
|                                       |            | 1      |                  |                             |                             |                  |                            |  |
|                                       |            |        | 1                |                             |                             |                  |                            |  |
|                                       |            |        |                  |                             | 1                           |                  |                            |  |
| 5                                     | $6^{1/4}$  | 5      | $2^{1/4}$        | 6                           | $1^{3/4}$                   | 2                | 0                          |  |

|                   | Sodiun   | n Level  |
|-------------------|----------|----------|
| Nutrients Per Day | 2,300 mg | 1,500 mg |
| Carbohydrate      | 275 g    | 314 g    |
| Protein           | 111 g    | 114 g    |
| Calcium           | 1,470 mg | 1,412 mg |
| Magnesium         | 495 mg   | 491 mg   |
| Potassium         | 4,769 mg | 4,903 mg |
| Fiber             | 30 g     | 31 g     |

| 2,300 mg Sodium Menu                                    | Sodium (mg) | Substitution To Reduce<br>Sodium to 1,500 mg | Sodium (mg) |  |
|---|-------------|--|-------------|--|
| Breakfast   |             |  |             |  |
| 1 low-fat granola bar                                   | 81          |  |             |  |
| 1 medium banana   | 1           |  |             |  |
| <sup>1</sup> / <sub>2</sub> cup fruit yogurt, fat-free, | 86          |  |             |  |
| no sugar added  |             |  |             |  |
| 1 cup orange juice                                      | 5           |  |             |  |
| 1 cup low-fat milk                                      | 107         |  |             |  |
| Lunch   |             |  |             |  |
| turkey breast sandwich:                                 |             |  |             |  |
| 3 oz turkey breast                                      | 48          |  |             |  |
| 2 slices whole wheat bread                              | 299         |  |             |  |
| 1 large leaf romaine lettuce                            | 1           |  |             |  |
| 2 slices tomato   | 2           |  |             |  |
| 2 tsp mayonnaise, low-fat                               | 67          |  |             |  |
| 1 Tbsp Dijon mustard                                    | 373         | 1 Tbsp regular mustard                       | 175         |  |
| 1 cup steamed broccoli, cooked from                     | 11          | 1 155p Togular Mastara                       | 1.0         |  |
| frozen  |             |  |             |  |
| 1 medium orange   | 0           |  |             |  |
| Dinner  |             |  |             |  |
| 3 oz spicy baked fish*                                  | 50          |  |             |  |
| 1 cup scallion rice <sup>†</sup>                        | 18          |  |             |  |
| spinach sauté:  | 10          |  |             |  |
| 1/2 cup spinach, cooked from frozen,                    | 92          |  |             |  |
| sautéed with:   | 92          |  |             |  |
| 2 tsp canola oil  | 0           |  |             |  |
| 1 Tbsp almonds, slivered, unsalted                      | 0           |  |             |  |
| 1 cup carrots, cooked from frozen                       | 84          |  |             |  |
| 1 small whole wheat roll:                               | 148         |  |             |  |
| 1 tsp soft (tub) margarine                              | 26          |  |             |  |
| 1 small cookie  | 60          |  |             |  |
| Snacks  |             |  |             |  |
| 2 Tbsp peanuts, unsalted                                | 1           |  |             |  |
| 1 cup low-fat milk                                      | 107         |  |             |  |
| 1/4 cup dried apricots                                  | 3           |  |             |  |
| Totals  | 1,671       |  | 1,472       |  |
|   |             |  |             |  |

<sup>\*</sup> Recipe on page 52

<sup>†</sup> Recipe on page 53

|                             | Sodium Level |          |  |  |
|-----------------------------|--------------|----------|--|--|
| Nutrients Per Day           | 2,300 mg     | 1,500 mg |  |  |
| Calories                    | 1,939        | 1,935    |  |  |
| Total fat                   | 58 g         | 57 g     |  |  |
| Calories from fat           | 27 %         | 27 %     |  |  |
| Saturated fat               | 12 g         | 12 g     |  |  |
| Calories from saturated fat | 6 %          | 6%       |  |  |
| Cholesterol                 | 171 mg       | 171 mg   |  |  |
| Sodium                      | 1,671 mg     | 1,472 mg |  |  |

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| Number of Servings by DASH Food Group |                                    |        |                  |                             |                             |                  |                            |  |
|---------------------------------------|------------------------------------|--------|------------------|-----------------------------|-----------------------------|------------------|----------------------------|--|
| Grains                                | Vegetables                         | Fruits | Milk<br>Products | Meats, Fish,<br>and Poultry | Nuts, Seeds,<br>and Legumes | Fats and<br>Oils | Sweets and<br>Added Sugars |  |
| 1                                     |                                    | 1      |                  |                             |                             |                  |                            |  |
|                                       |                                    |        | 1/2              |                             |                             |                  |                            |  |
|                                       |                                    | 2      | 1                |                             |                             |                  |                            |  |
|                                       |                                    |        |                  | 3                           |                             |                  |                            |  |
| 2                                     | 1/ <sub>4</sub><br>1/ <sub>2</sub> |        |                  | -                           |                             |                  |                            |  |
|                                       | 1/2                                |        |                  |                             |                             | 2/3              |                            |  |
|                                       | 2                                  |        |                  |                             |                             |                  |                            |  |
|                                       |                                    | 1      |                  |                             |                             |                  |                            |  |
|                                       |                                    |        |                  | 3                           |                             |                  |                            |  |
| 2                                     |                                    |        |                  |                             |                             |                  |                            |  |
|                                       | 1                                  |        |                  |                             |                             | 2                |                            |  |
|                                       | 2                                  |        |                  |                             | 1/4                         | ۵                |                            |  |
| 1                                     | ۵                                  |        |                  |                             |                             | 1                |                            |  |
|                                       |                                    |        |                  |                             |                             | 1                | 1                          |  |
|                                       |                                    |        | 1                |                             | 1/2                         |                  |                            |  |
|                                       |                                    | 1      | 1                |                             |                             |                  |                            |  |
| 6                                     | 53/4                               | 5      | 21/2             | 6                           | 3/4                         | 32/3             | 1                          |  |

|                   | Sodium Level |          |  |  |
|-------------------|--------------|----------|--|--|
| Nutrients Per Day | 2,300 mg     | 1,500 mg |  |  |
| Carbohydrate      | 268 g        | 268 g    |  |  |
| Protein           | 105 g        | 105 g    |  |  |
| Calcium           | 1,210 mg     | 1,214 mg |  |  |
| Magnesium         | 548 mg       | 545 mg   |  |  |
| Potassium         | 4,710 mg     | 4,710 mg |  |  |
| Fiber             | 36 g         | 36 g     |  |  |

| 2,300 mg Sodium Menu                              | Sodium (mg) | Substitution To Reduce<br>Sodium to 1,500 mg                    | Sodium (mg) |  |
|---|-------------|---|-------------|--|
| Breakfast   |             |   |             |  |
| 1 cup whole grain oat rings:                      | 273         | 1 cup regular oatmeal   | 5           |  |
| 1 medium banana                                   | 1           | 1 cup regular outmear   | Ü           |  |
| 1 cup low-fat milk                                | 107         |   |             |  |
| 1 cup fruit yogurt, fat-free, no                  | 173         |   |             |  |
| sugar added                                       |             |   |             |  |
| Lunch   |             |   |             |  |
| tuna salad sandwich:                              |             |   |             |  |
| <sup>1</sup> /2 cup tuna, drained, rinsed         | 39          |   |             |  |
| 1 Tbsp mayonnaise, low-fat                        | 101         |   |             |  |
| 1 large leaf romaine lettuce                      | 101         |   |             |  |
| 2 slices tomato                                   | 2           |   |             |  |
| 2 slices whole wheat bread                        | 299         |   |             |  |
| 1 medium apple                                    | 1           |   |             |  |
| 1 cup low-fat milk                                | 107         |   |             |  |
| •   |             |   |             |  |
| Dinner  1/6 recipe zucchini lasagna:*             | 368         | substitute cottage cheese, low-fat,<br>no salt added in recipe* | 165         |  |
| salad:  |             |   |             |  |
| 1 cup fresh spinach leaves                        | 24          |   |             |  |
| 1 cup tomato wedges                               | 9           |   |             |  |
| 2 Tbsp croutons, seasoned                         | 62          |   |             |  |
| 1 Tbsp vinaigrette dressing,                      | 133         | 1 Tbsp low-sodium vinaigrette                                   | 1           |  |
| reduced calorie                                   |             | dressing, from recipe <sup>†</sup>                              |             |  |
| 1 Tbsp sunflower seeds                            | 0           |   |             |  |
| 1 small whole wheat roll:                         | 148         |   |             |  |
| 1 tsp soft (tub) margarine                        | 45          | 1 tsp unsalted soft (tub) margarine                             | 0           |  |
| 1 cup grape juice                                 | 8           |   |             |  |
| Snacks  |             |   |             |  |
| <sup>1</sup> / <sub>3</sub> cup almonds, unsalted | 0           |   |             |  |
| 1/4 cup dry apricots                              | 3           |   |             |  |
| 6 whole wheat crackers                            | 166         |   |             |  |
| Totals  | 2,069       |   | 1,421       |  |
|   |             |   |             |  |

<sup>\*</sup> Recipe on page 54

|   | recipe | OH | page | JŦ |
|---|--------|----|------|----|
| † | Recipe | on | page | 47 |

|                             | Sodiur   | n Level  |
|-----------------------------|----------|----------|
| Nutrients Per Day           | 2,300 mg | 1,500 mg |
| Calories                    | 1,993    | 1,988    |
| Total fat                   | 64 g     | 60 g     |
| Calories from fat           | 29 %     | 27 %     |
| Saturated fat               | 13 g     | 13 g     |
| Calories from saturated fat | 6 %      | 6%       |
| Cholesterol                 | 71 mg    | 72 mg    |
| Sodium                      | 2,069 mg | 1,421 mg |

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| Plan          |

| Number of Servings by DASH Food Group |                                    |        |                  |                             |                             |                  |                            |  |
|---------------------------------------|------------------------------------|--------|------------------|-----------------------------|-----------------------------|------------------|----------------------------|--|
| Grains                                | Vegetables                         | Fruits | Milk<br>Products | Meats, Fish,<br>and Poultry | Nuts, Seeds,<br>and Legumes | Fats and<br>Oils | Sweets and<br>Added Sugars |  |
| 1                                     |                                    | 1      |                  |                             |                             |                  |                            |  |
|                                       |                                    | *      | 1<br>1           |                             |                             |                  |                            |  |
|                                       |                                    |        | 1                |                             |                             |                  |                            |  |
|                                       |                                    |        |                  |                             |                             |                  |                            |  |
|                                       |                                    |        |                  | 3                           |                             | 4                |                            |  |
|                                       | 1/4                                |        |                  |                             |                             | 1                |                            |  |
|                                       | 1/ <sub>4</sub><br>1/ <sub>2</sub> |        |                  |                             |                             |                  |                            |  |
| 2                                     |                                    | 1      |                  |                             |                             |                  |                            |  |
|                                       |                                    | 1      | 1                |                             |                             |                  |                            |  |
| 3                                     | 1                                  |        | 1                |                             |                             |                  |                            |  |
|                                       | 1                                  |        |                  |                             |                             |                  |                            |  |
|                                       | 1<br>2                             |        |                  |                             |                             |                  |                            |  |
| 1/4                                   |                                    |        |                  |                             |                             | 1/2              |                            |  |
|                                       |                                    |        |                  |                             |                             | 1/2              |                            |  |
|                                       |                                    |        |                  |                             | 1/2                         |                  |                            |  |
| 1                                     |                                    |        |                  |                             |                             | 1                |                            |  |
|                                       |                                    | 2      |                  |                             |                             |                  |                            |  |
|                                       |                                    |        |                  |                             | 1                           |                  |                            |  |
| 1                                     |                                    | 1      |                  |                             |                             |                  |                            |  |
| 81/4                                  | 43/4                               | 5      | 4                | 3                           | 11/2                        | 21/2             | 0                          |  |
| <b>ŏ</b> */4                          | 49/4                               | ับ     | 4                | ა                           | 11/2                        | £ */Z            | U                          |  |

|                          | Sodiu    | ım Level |
|--------------------------|----------|----------|
| <b>Nutrients Per Day</b> | 2,300 mg | 1,500 mg |
| Carbohydrate             | 283 g    | 285 g    |
| Protein                  | 93 g     | 97 g     |
| Calcium                  | 1,616 mg | 1,447 mg |
| Magnesium                | 537 mg   | 553 mg   |
| Potassium                | 4,693 mg | 4,695 mg |
| Fiber                    | 32 g     | 33 g     |



### Recipes for Heart Health

Here are some recipes to help you cook up a week of tasty, heart healthy meals. If you're following the DASH eating plan at 1,500 milligrams of sodium per day or just want to reduce your sodium intake, use the suggested recipe changes.

### Day 1

### **Chicken Salad**

| $3^{1/4}$ | cups | chicken breast, cooked, cubed, and skinless |
|-----------|------|---|
| $1/_{4}$  | cup  | celery, chopped                             |
| 1         | Tbsp | lemon juice                                 |
| $1/_{2}$  | tsp  | onion powder                                |
| 1/8       | tsp  | salt*                                       |
| 3         | Tbsp | mayonnaise, low-fat                         |

- 1. Bake chicken, cut into cubes, and refrigerate.
- 2. In a large bowl combine rest of ingredients, add chilled chicken and mix well.

Makes 5 servings Serving Size: 3/4 cup **Per Serving:** 

| Calories      | 176    | Carbohydrate | 2 g    |
|---------------|--------|--------------|--------|
| Total Fat     | 6 g    | Calcium      | 16 mg  |
| Saturated Fat | 2 g    | Magnesium    | 25 mg  |
| Cholesterol   | 77 mg  | Potassium    | 236 mg |
| Sodium        | 179 mg | Fiber        | 0 g    |
| Protein       | 27 g   |              |        |

<sup>\*</sup> To reduce sodium, omit the 1/8 tsp of added salt. New sodium content for each serving is 120 mg.

### Vegetarian Spaghetti Sauce

| 2         | Tbsp     | olive oil         |
|-----------|----------|-------------------|
| 2         | small    | onions, chopped   |
| 3         | cloves   | garlic, chopped   |
| $1^{1/4}$ | cups     | zucchini, sliced  |
| 1         | Tbsp     | oregano, dried    |
| 1         | Tbsp     | basil, dried      |
| 1         | 8 oz can | tomato sauce      |
| 1         | 6 oz can | tomato paste*     |
| 2         | medium   | tomatoes, chopped |
| 1         | cup      | water             |

- 1. In a medium skillet, heat oil. Sauté onions, garlic, and zucchini in oil for 5 minutes on medium heat.
- 2. Add remaining ingredients and simmer covered for 45 minutes. Serve over spaghetti.

Makes 6 servings Serving Size: 3/4 cup **Per Serving:** 

| Calories      | 105    | Carbohydrate | 15 g   |
|---------------|--------|--------------|--------|
| Total Fat     | 5 g    | Calcium      | 49 mg  |
| Saturated Fat | 1 g    | Magnesium    | 35 mg  |
| Cholesterol   | 0 mg   | Potassium    | 686 mg |
| Sodium        | 479 mg | Fiber        | 4 g    |
| Protein       | 3 g    |              |        |

<sup>\*</sup> To reduce sodium, use a 6-oz can of low-sodium tomato paste. New sodium content for each serving is 253 mg.

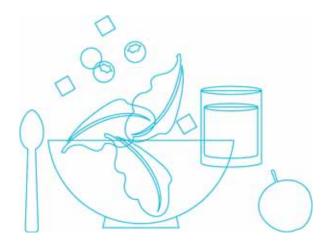
### **Vinaigrette Salad Dressing**

| 1        | bulb | garlic, separated and peeled |
|----------|------|------------------------------|
| $1/_{2}$ | cup  | water                        |
| 1        | Tbsp | red wine vinegar             |
| $1/_{4}$ | tsp  | honey                        |
| 1        | Tbsp | virgin olive oil             |
| $1/_{4}$ | tsp  | black pepper                 |

- 1. Place the garlic cloves into a small saucepan and pour enough water (about 1/2 cup) to cover them.
- 2. Bring water to a boil, then reduce heat and simmer until garlic is tender, about 15 minutes.
- 3. Reduce the liquid to 2 Tbsp and increase the heat for 3 minutes.
- 4. Pour the contents into a small sieve over a bowl, and with a wooden spoon, mash the garlic through the sieve into the bowl.
- 5. Whisk the vinegar into the garlic mixture; incorporate the oil and seasoning.

Makes 4 servings Serving Size: 2 Tbsp **Per Serving:** 

| Calories      | 33   | Carbohydrate | 1 g  |
|---------------|------|--------------|------|
| Total Fat     | 3 g  | Calcium      | 3 mg |
| Saturated Fat | 1 g  | Magnesium    | 1 mg |
| Cholesterol   | 0 mg | Potassium    | 6 mg |
| Sodium        | 1 mg | Fiber        | 0 g  |
| Protein       | 0 g  |              |      |



### Day 3

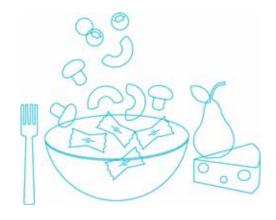
### **New Potato Salad**

| 16       | small | new potatoes (5 cups) |
|----------|-------|-----------------------|
| 2        | Tbsp  | olive oil             |
| $1/_{4}$ | cup   | green onions, chopped |
| $1/_{4}$ | tsp   | black pepper          |
| 1        | tsp   | dill weed, dried      |

- 1. Thoroughly clean potatoes with vegetable brush and water.
- 2. Boil potatoes for 20 minutes or until tender.
- 3. Drain and cool potatoes for 20 minutes.
- 4. Cut potatoes into quarters and mix with olive oil, onions, and spices.
- 5. Refrigerate until ready to serve.

Makes 5 servings Serving Size: 1 cup **Per Serving:** 

| Calories      | 196   | Carbohydrate | 34 g   |
|---------------|-------|--------------|--------|
| Total Fat     | 6 g   | Calcium      | 31 mg  |
| Saturated Fat | 1 g   | Magnesium    | 46 mg  |
| Cholesterol   | 0 mg  | Potassium    | 861 mg |
| Sodium        | 17 mg | Fiber        | 4 g    |
| Protein       | 4 g   |              |        |



### **Chicken and Spanish Rice**

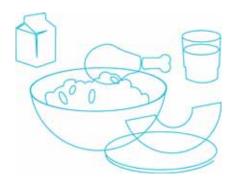
| 1         | cup      | onions, chopped                                 |
|-----------|----------|---|
| $3/_{4}$  | cup      | green peppers                                   |
| 2         | tsp      | vegetable oil                                   |
| 1         | 8 oz can | tomato sauce*                                   |
| 1         | tsp      | parsley, chopped                                |
| $1/_{2}$  | tsp      | black pepper                                    |
| $1^{1/4}$ | tsp      | garlic, minced                                  |
| 5         | cups     | cooked brown rice (cooked in unsalted water)    |
| $3^{1/2}$ | cups     | chicken breasts, cooked, skin and bone removed, |
|           |          | and diced                                       |

- 1. In a large skillet, sauté onions and green peppers in oil for 5 minutes on medium heat.
- 2. Add tomato sauce and spices. Heat through.
- 3. Add cooked rice and chicken. Heat through.

Makes 5 servings Serving Size: 11/2 cup **Per Serving:** 

| Calories      | 428    | Carbohydrate | 52 g   |
|---------------|--------|--------------|--------|
| Total Fat     | 8 g    | Calcium      | 50 mg  |
| Saturated Fat | 2 g    | Magnesium    | 122 mg |
| Cholesterol   | 80 mg  | Potassium    | 545 mg |
| Sodium        | 341 mg | Fiber        | 8 g    |
| Protein       | 35 g   |              |        |

<sup>\*</sup> To reduce sodium, use one 4-oz can of low-sodium tomato sauce and one 4-oz can of regular tomato sauce. New sodium content for each serving is 215 mg.



### Day 5

### **Tuna Salad**

- 1. Rinse and drain tuna for 5 minutes. Break apart with a fork.
- 2. Add celery, onion, and mayonnaise and mix well.

Makes 5 servings Serving Size: 1/2 cup **Per Serving**:

| Calories      | 138    | Carbohydrate | 2 g    |
|---------------|--------|--------------|--------|
| Total Fat     | 7 g    | Calcium      | 17 mg  |
| Saturated Fat | 1 g    | Magnesium    | 19 mg  |
| Cholesterol   | 25 mg  | Potassium    | 198 mg |
| Sodium        | 171 mg | Fiber        | 0 g    |
| Protein       | 16 g   |              |        |

### Day 5

### **Turkey Meatloaf**

| 1        | pound | lean ground turkey       |
|----------|-------|--------------------------|
| $1/_{2}$ | cup   | regular oats, dry        |
| 1        | large | egg, whole               |
| 1        | Tbsp  | onion, dehydrated flakes |
| $1/_{4}$ | cup   | ketchup*                 |

- 1. Combine all ingredients and mix well.
- 2. Bake in a loaf pan at 350  $^{\circ}F$  for 25 minutes or to an internal temperature of 165  $^{\circ}F$ .
- 3. Cut into five slices and serve.

Makes 5 servings Serving Size: 1 slice (3 oz) **Per Serving:** 

| ,   | Calories      | 191    | Carbohydrate | 9 g    |
|-----|---------------|--------|--------------|--------|
| ) ; | Total Fat     | 7 g    | Calcium      | 24 mg  |
|     | Saturated Fat | 2 g    | Magnesium    | 33 mg  |
|     | Cholesterol   | 103 mg | Potassium    | 268 mg |
| 1   | Sodium        | 205 mg | Fiber        | 1 g    |
|     | Protein       | 23 g   |              |        |

<sup>\*</sup> To reduce sodium, use low-sodium ketchup. New sodium content for each serving is 74 mg.

### **Yogurt Salad Dressing**

| 8        | OZ   | plain yogurt, fat-free |
|----------|------|------------------------|
| $1/_{4}$ | cup  | mayonnaise, low-fat    |
| 2        | Tbsp | chives, dried          |
| 2        | Tbsp | dill, dried            |
| 2        | Tbsp | lemon juice            |

### Mix all ingredients in bowl and refrigerate.

Makes 5 servings Serving Size: 2 Tbsp **Per Serving:** 

| Calories      | 39    | Carbohydrate | 4 g    |
|---------------|-------|--------------|--------|
| Total Fat     | 2 g   | Calcium      | 76 mg  |
| Saturated Fat | 0 g   | Magnesium    | 10 mg  |
| Cholesterol   | 3 mg  | Potassium    | 110 mg |
| Sodium        | 66 mg | Fiber        | 0 g    |
| Protein       | 2 g   |              |        |



### Day 6

### Spicy Baked Fish

1 pound salmon (or other fish) fillet

1 Tbsp olive oil

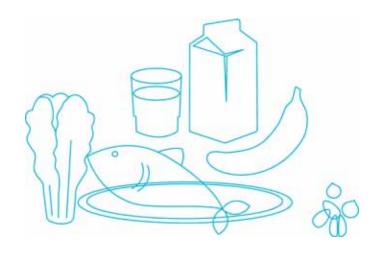
1 tsp spicy seasoning, salt-free

- 1. Preheat oven to 350 °F. Spray a casserole dish with cooking oil spray.
- 2. Wash and dry fish. Place in dish. Mix oil and seasoning and drizzle over fish.
- 3. Bake uncovered for 15 minutes or until fish flakes with fork. Cut into 4 pieces. Serve with rice.

Makes 4 servings Serving Size: 1 piece (3 oz)

Per Serving:

| Calories      | 192   | Carbohydrate | <1 g   |
|---------------|-------|--------------|--------|
| Total Fat     | 11 g  | Calcium      | 18 mg  |
| Saturated Fat | 2 g   | Magnesium    | 34 mg  |
| Cholesterol   | 63 mg | Potassium    | 560 mg |
| Sodium        | 50 mg | Fiber        | 0 g    |
| Protein       | 23 g  |              |        |



### **Scallion Rice**

 $\begin{array}{ccc} 4^{1/2} & cups & cooked \ brown \ rice \ (cooked \ in \ unsalted \\ & water) \\ 1^{1/2} & tsp & bouillon \ granules, \ low \ sodium \\ 1^{1/4} & cup & scallions \ (green \ onions), \ chopped \end{array}$ 

- 1. Cook rice according to directions on the package.
- 2. Combine the cooked rice, scallions, and bouillon granules and mix well.
- 3. Measure 1-cup portions and serve.

Makes 5 servings Serving Size: 1 cup **Per Serving:** 

| Calories      | 200   | Carbohydrate | 41 g  |
|---------------|-------|--------------|-------|
| Total Fat     | 2 g   | Calcium      | 23 mg |
| Saturated Fat | 0 g   | Magnesium    | 77 mg |
| Cholesterol   | 0 mg  | Potassium    | 92 mg |
| Sodium        | 18 mg | Fiber        | 6 g   |
| Protein       | 5 g   |              |       |



### Zucchini Lasagna

| $1/_{2}$  | pound | cooked lasagna noodles, cooked in unsalted |
|-----------|-------|--|
|           |       | water                                      |
| $3/_{4}$  | cup   | part-skim mozzarella cheese, grated        |
| $1^{1/2}$ | cups  | cottage cheese,* fat-free                  |
| $1/_{4}$  | cup   | Parmesan cheese, grated                    |
| $1^{1/2}$ | cups  | raw zucchini, sliced                       |
| $2^{1/2}$ | cups  | low-sodium tomato sauce                    |
| 2         | tsp   | basil, dried                               |
| 2         | tsp   | oregano, dried                             |
| $1/_{4}$  | cup   | onion, chopped                             |
| 1         | clove | garlic                                     |
| 1/8       | tsp   | black pepper                               |

- 1. Preheat oven to 350 °F. Lightly spray a 9- by 13-inch baking dish with vegetable oil spray.
- 2. In a small bowl, combine 1/8 cup mozzarella and 1 Tbsp Parmesan cheese. Set aside.
- 3. In a medium bowl, combine remaining mozzarella and Parmesan cheese with all the cottage cheese. Mix well and set aside.
- 4. Combine tomato sauce with remaining ingredients. Spread a thin layer of tomato sauce in the bottom of the baking dish. Add a third of the noodles in a single layer. Spread half of the cottage cheese mixture on top. Add a layer of zucchini.
- 5. Repeat layering. Add a thin coating of sauce. Top with noodles, sauce, and reserved cheese mixture. Cover with aluminum foil.
- 6. Bake 30 to 40 minutes. Cool for 10 to 15 minutes. Cut into 6 portions.

Makes 6 servings Serving Size: 1 piece **Per Serving:** 

| Calories      | 200    | Carbohydrate | 24 g   |
|---------------|--------|--------------|--------|
| Total Fat     | 5 g    | Calcium      | 310 mg |
| Saturated Fat | 3 g    | Magnesium    | 46 mg  |
| Cholesterol   | 12 mg  | Potassium    | 593 mg |
| Sodium        | 368 mg | Fiber        | 3 g    |
| Protein       | 15 g   |              |        |

<sup>\*</sup> To reduce sodium, use low-sodium cottage cheese. New sodium content for each serving is 165 mg.

### To Learn More

### NHLBI Health Information Center NHLBI Heart Health

P.O. Box 30105

Bethesda, MD 20824-0105

Phone: 301-592-8573

TTY: 240-629-3255 Fax: 301-592-8563

Information Line 1-800-575-WELL

Provides toll-free recorded messages.

Provides information on the prevention and treatment of heart disease and offers publications on heart health and heart disease.

Also, check out these online resources:

### **General Health Information**

NHLBI Web site: www.nhlbi.nih.gov DHHS Web site: www.healthfinder.gov Diseases and Conditions A–Z Index: www.nhlbi.nih.gov/health/dci/index/html

### **Your Guide To Better Health Series**

Your Guide Homepage: http://hp2010.nhlbihin.net/yourguide featuring: Your Guide to Lowering High Blood Pressure With DASH Your Guide to Lowering Your Cholesterol With TLC Your Guide to Physical Activity

### Nutrition

Dietary Guidelines for Americans 2005 and A Healthier You: www.healthierus.gov/dietaryguidelines/ How to Understand and Use the Nutrition Facts Label: www.cfsan.fda.gov/~dms/foodlab.html MyPyramid and other nutrition information: www.mypyramid.gov and www.nutrition.gov

### **Physical Activity**

The President's Council on Physical Fitness and Sports: www.fitness.gov Exercise: A Guide from NIA:

http://www.niapublications.org/exercisebook/exerciseguidecomplete.pdf

### Weight

Aim for a Healthy Weight: http://healthyweight.nhlbi.nih.gov.

Menus and recipes were analyzed using the Minnesota Nutrition Data System software—Food Data Base version NDS-R 2005—developed by the Nutrition Coordinating Center, University of Minnesota, Minneapolis, MN.

Discrimination Prohibited: Under provisions of applicable public laws enacted by Congress since 1964, no person in the United States shall, on the grounds of race, color, national origin, handicap, or age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity (or, on the basis of sex, with respect to any education program or activity) receiving Federal financial assistance. In addition, Executive Order 11141 prohibits discrimination on the basis of age by contractors and subcontractors in the performance of Federal contracts, and Executive Order 11246 states that no federally funded contractor may discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. Therefore, the National Heart, Lung, and Blood Institute must be operated in compliance with these laws and **Executive Orders.** 





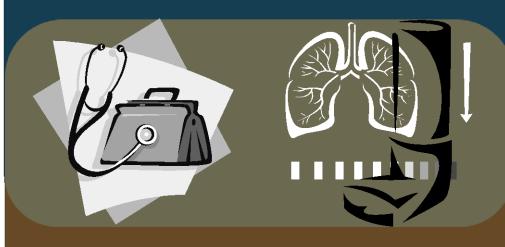


U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES National Institutes of Health National Heart, Lung, and Blood Institute

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### Do you have Questions on Asthma or your Blood Pressure?



Asthma & Blood Pressure Screening is Coming to YOU!

October 26th 2013 9:00-11:00am

Brought to you by **AMCP** of Albany College of Pharmacy and Health Sciences

Hello All,

Thank you for participating in the Asthma and Blood Pressure event at he YMCA. The event was ran smoothly and with the help of Rho Pi Phi, our presence was felt by the YMCA participants. We helped numerous people by taking their blood pressures and YMCA personally informed us they were very pleased with how we conducted our event. They also stated they would love to have us back in the future to hold such an event, which is great news!

I have included a picture from the event as well. Looking great group, keep up the diligent work!



### Thank You

### Larry Pechony

AMCP President Elect 2013-2014
Phi Delta Chi Professional Pharmacy Fraternity – Alpha Theta
Ski Club Congress Chair
Peer Tutor for Pathophysiology at ACPHS
Pharm D. Candidate Class of 2016
Albany College of Pharmacy and Health Sciences - Albany, NY Campus
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