How to Control Your Hypertension

Learning to Control Your Sodium Intake

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CDC
Centers for Disease Control and Prevention

Number 2 of the Series: How to Control Your Hypertension
Acknowledgments

This fotonovela is part of the program “Promotoras de salud contra la hipertensión” and is number 2 in the series “Cómo controlar su hipertensión”. Raymundo and his family would like to invite you to read this fotonovela and learn about how to control sodium in your diet. This fotonovela can be integrated in many community health worker promotora programs working to control blood pressure in many Hispanic/Latino communities.

We would like to thank the Centers for Disease Control and Prevention project team of: Drs. Nell J. Brownstein, Carma Ayala and Dawn Brewer for their support and leadership.

The content of the fotonovela was developed by Claudia Méndez. Other members of the team included Mónica Chávez and Blanca Méndez and the promotoras de salud from AYUDA who helped in the development and focus groups activities.

Sincerely:

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Introduction to the Ramirez Family

**Raymundo:** 55 years of age recently diagnosed with hypertension.

**Doña Fela:** Raymundo’s mother, 75 years old.

**Olivia:** Community Health Worker, 45 years of age.

**Paulina:** Raymundo’s wife, 55 years old.

**Laura:** Raymundo’s eldest daughter, 32 years old.

**Luis:** Laura’s husband, 40 years old.

**Carla:** Raymundo’s youngest daughter, 25 years old.

**Carmen:** Laura and Luis’ daughter, 11 years old.

**Pedro:** Laura and Luis’ son, 7 years old.

**Carmen:** Laura and Luis’ daughter, 11 years old.
How to control your hypertension

Hi Raymundo! How have you been feeling lately?

Hello mom, I've been feeling a lot better now that I've been taking my medicines, controlling my stress, and walking with Paulina.

I have an appointment with the doctor next week. I want to learn more about how to control my hypertension.

The following week at the doctor’s office...

I've heard there are monitors that can be used to measure blood pressure at home.

Those might be costly mom.

I don't think so. I've heard that these monitors don't cost much and are easy to use. You should ask your doctor for more information.

You know that I've been taking care of myself Paulina.

I'm sure you'll do better than last time, Raymundo. I'm so proud of you!

Raymundo was diagnosed with high blood pressure, or hypertension in “Cómo Controlar Su Hipertensión Fotonovela”.
Raymundo, your blood pressure is much better than last time, (140/91). This is much better than your initial visit (162/102).

That’s good news, all of my hard work has paid off! Doctor can you tell me about the blood pressure monitors that I could use to measure my blood pressure at home?

Yes, It is important that anyone who has hypertension monitor his or her blood pressure at home. It is an important part in managing high blood pressure.

In addition to limiting alcohol and sodium in the diet, it is also key to avoid tobacco, keep a healthy weight, and take part in regular physical activity to control blood pressure. Olivia our Community Health Worker will give you some information about how to live with less sodium.

In Olivia’s office...

Mr. Ramirez one thing you can do is to change your eating habits. I can help you by giving you some tips on how to lower the amount of sodium in your diet.

Your Community Health Worker can help guide you and your family to a happy and healthier lifestyle.
It is important to know how much sodium is in the food you eat. Most packaged and canned food have a lot of sodium. We get the majority of the sodium in our diets from processed and restaurant foods. These foods include smoked, cured meats such as bacon, sausages, hot dogs, baloney, and fried meats like hamburger.

Here are some popular foods that can be high in sodium. Many of these foods can be found in low-sodium or no salt added versions. You can choose foods with lower amounts of sodium. We will talk about how to read the Nutrition Facts label on products to find out how much sodium is in the foods you are eating.

Other food high in sodium includes canned soups and fish, potato chips, fries, most types of cheese, tomato juice, frozen meals, breading on fried foods, salad dressings, cottage cheese, crackers, salted nuts, pretzels, pickles, and quick-cooking rice and noodles.
Later that evening...

Raymundo, how did your visit with the doctor go?

My doctor was very helpful. He advised me to buy a blood pressure monitor and lower the amount of sodium I eat. I bought a blood pressure monitor so I can monitor my blood pressure at home.

WHAT IS SODIUM?

Sodium is part of salt and is used to flavor foods, but it also helps foods last longer. Since sodium is in most of our foods, most people eat too much.

Let’s talk with Olivia the Community Health Worker, she may be able to help us choose foods lower in sodium the next time we go to the grocery store.

That is a great idea. It is important that the whole family should eat less sodium.

Thank you for your help. Your encouragement and support will make this a lot easier for me.
Blood Pressure Record

**Know your Numbers!**

Each blood pressure reading has a pair of numbers showing the highest and lowest pressure during each heart cycle. The higher number is called the systolic pressure and the lower number is called the diastolic pressure.

Normal blood pressure is less than:

- **Systolic**: 120
- **Diastolic**: 80

**Explanation:**

At the beginning write down your systolic blood pressure in the upper left hand corner and your diastolic blood pressure in the lower right hand corner in the box labeled START.

Once you are done, record your goal blood pressure in the last box. This number should represent the blood pressure you will be aiming for throughout this program.

Now, take this sheet home with you. Everytime you take your blood pressure, either at home or at the doctor’s office, record them in the boxes above. Bring this sheet with you during your next class.

Take your reading at the same time each day. Don’t drink coffee or excercise 30 minutes before measuring. Sit still in a chair and support your arm in front of you (level with your heart). Keep your feet flat on the floor.

Wrap the cuff snugly around your upper arm, just above your elbow.

Additional information and activities are available in our previous fotonova “Cómo controlar su hipertensión”.

If you do not have a monitor at home, visit your local pharmacy for a public blood pressure monitor. This may not be as accurate an at home blood pressure monitor.

You may be able to get your blood pressure taken at your local fire department by a trained fireman. Ask your Promotora/Community Health Worker about other places where you may have your blood pressure taken at no cost.

Go to this web site to learn more about taking blood pressure at home:

http://www.heart.org/HEARTORG/Conditions/More/ToolsForYourHeartHealth/Cardiovascular-Conditions-Video-Library_UCM_432751_SubHomePage.jsp
It’s best to break the habit of salting foods before tasting them. This habit can add a lot of extra sodium to your diet. Try taking the salt shakers off the table to help break this habit.

Learning and knowing how to read a Nutrition Facts label is the BEST tool in choosing healthy foods.

Most sodium in our diets comes from processed foods that are canned, packaged, or frozen, such as soups, frozen meals, meats and chips, as well as from fast food, and restaurant food.

Don’t add salt while you are cooking or fixing food.

If you keep salt shakers off the table you will not be tempted to add salt to your food.

This looks complicated. All the numbers are confusing me.

It is easier than it looks. I’ll show you how easy it is to read a Nutrition Facts label.

Please!

Your Community Health Worker, who knows about the amount of sodium on the Nutrition Food label, can help you.

I am so excited to help you and your family learn more about sodium. There is so much we can learn!

That weekend at the supermarket.

Olivia has been studying the “Su Corazón, Su Vida” manual and will help us identify sodium in different foods. She will also give us nutrition tips.

It is not only the type of food you eat, but also the amount of food that can raise your blood pressure.
The Nutrition Food label tells the number of servings there are per item, the amount of calories, sodium, saturated fats, trans fats, cholesterol, and sugar per ONE serving.

<table>
<thead>
<tr>
<th>Nutrition Facts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serving Size: 1 cup</td>
</tr>
<tr>
<td>Servings Per Container: 2</td>
</tr>
<tr>
<td>Amount Per Serving</td>
</tr>
<tr>
<td>Calories: 130</td>
</tr>
<tr>
<td>% Daily Value*</td>
</tr>
<tr>
<td>Total Fat: 2g</td>
</tr>
<tr>
<td>Saturated Fat: 1g</td>
</tr>
<tr>
<td>Trans Fat: 0</td>
</tr>
<tr>
<td>Cholesterol: 15mg</td>
</tr>
<tr>
<td>Sodium: 410mg</td>
</tr>
<tr>
<td>Total Carbohydrate: 10g</td>
</tr>
<tr>
<td>Dietary Fiber: 2g</td>
</tr>
<tr>
<td>Sugars: 5g</td>
</tr>
<tr>
<td>Protein: 8g</td>
</tr>
<tr>
<td>Vitamin A: 9%</td>
</tr>
<tr>
<td>Calcium: 13%</td>
</tr>
</tbody>
</table>

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

1 cup, there are 410 mg of sodium. There are 2 cups in this can. There are 820 mg of sodium in this can.

If you eat the entire can you are getting more than 1/3 of a day’s worth of sodium for many Americans.

According to the Community Health Worker, Raymundo needs to eat more fruits, vegetables, and whole grains. What if I started to pack him 1 cup of soup, 1 apple, 2 slices of low sodium whole grain bread and a salad for lunch?

Thinking in terms of being “full” instead of satisfied is something that could bring you health problems.

WOW that really changes everything. I usually eat one can of soup for lunch.

That sounds like a great idea!
Add up your daily sodium intake and reduce it to less than 2,300 mg for people without hypertension and 1,500 mg among people who are 51 and older and those of any age that are African American or have hypertension, diabetes, chronic kidney disease.

Once it becomes a habit to look at the Nutrition Facts label, it will be much easier.

Let's try comparing the sodium in two different products using the Nutrition Facts label.

Learn the meaning of the labels:

- **SODIUM-FREE** = less than 5 mg of sodium per serving
- **VERY LOW-SODIUM** = 35 mg or less per serving
- **LOW-SODIUM** = 140 mg or less per serving
- **REDUCED SODIUM** = usual sodium level is reduced by 25 percent
- **UNSALTED, NO SALT ADDED OR WITHOUT ADDED SALT** = made without the salt that’s normally used, but still contains the sodium that’s a natural part of the food itself

“Sodium-free”, “low” and “very low in sodium” are good words to look for. Don’t be fooled by the words “reduced sodium”, it may not be as low in sodium as low sodium or very low sodium foods.

THIS IS THE ONE FOR ME!

When you compare processed food, pick the ones with the lowest amount of sodium.

Olivia, will the amount of sodium listed on the Nutrition Food labels help us?
Activity Sheet: Fill in the blank sheet comparing Nutrition Facts labels

1. How many servings are there in the Nutrition Facts label #1? ______________
2. How many servings are there in the Nutrition Facts label #3? ______________
3. If you had 1 cup of item #5 how much sodium would you be eating? ______________
4. What is the amount of sodium (mg) per serving on label #2? ______________
5. How much sodium is there in 15 chips on the Nutrition Facts label #4? ______________

Answers: (1.) 5 servings (2.) 9 servings (3.) 890 mg (4.) 80 mg (5.) 160 mg
This can has a total of 1,880 mg of sodium. That is more than a day’s worth for people with hypertension. The main thing to check on the Nutrition Facts label to find out about sodium is the serving size and the amount of sodium for each serving.

It was a pleasure to see you all. Remember always use the Nutrition Facts label to compare the sodium content in foods and try to select those products with lower sodium.

Thank you for your help Olivia. I think if we use what you taught us today we will be able to lower the sodium in our diets and make healthier food choices.

Check the food you’re eating and start changing your eating habits.
It would be an excellent idea to begin to go through the shelves, pantry, and refrigerator and identify those foods really high in sodium.

Great idea now that we know how to read the labels, we’ll be able to know which foods are high in sodium.

Let’s check our pantry and see which foods are higher in sodium.

WOW! JUST LOOK AT THIS, THIS HAS A LOT OF SODIUM!

Some of these foods are really high in sodium, I think I’ll try to eat these less often.

How much of this food are you eating daily Raymundo?
1. Which foods pictured above are commonly considered high in sodium? ______________________
2. Which of the three nuts pictured above could someone with hypertension eat for a snack?___________
3. Which 5 foods above are low in sodium?____________________________________________
4. Which of the 2 popcorns pictured above should Raymundo eat while watching tonight’s baseball game?_______________
5. Should Paulina continue to buy the family the green beans pictured above?_________________________
Grandpa! Grandma! We just got back from the zoo! How was it? Did you have fun? YES! I saw the lions and the monkeys.

I’m thirsty, can I have some of your drink? Raymundo! What did Olivia tell you? This is a drink! It doesn’t have sodium.

Did you check the Nutrition Facts label on that sports drink? Remember, Olivia said to always check the Nutrition Facts label for sodium on everything we eat and drink. It’s good to limit your serving size. Read it out loud so everyone knows the amount of sodium in a sports drink. Sodium... sodiummmmmh WOW! This can’t be true!
If it has 4 servings it means there are 416 mg of sodium in this bottle!

I knew foods had sodium, but I never expected to find sodium in sport drinks.

Although sports drinks are not high in sodium, they contribute to your daily sodium intake!

I’ve heard sports and vegetable drinks can be very high in sodium. I can try a lower sodium version of my vegetable juice.

We should both drink water instead!

GOOD we have all learned a lot today!

Carla, thank you again for inviting Olivia to the grocery store.

Hey! Where’s my drink?

What else can we do to reduce our sodium intake?

We already know that we should always read the nutrition label and look for foods with less sodium.

Yes, I’m sure there is something else we can do.

Sodium is everywhere and we use it daily. We can start by...
...reducing little by little the amount of sodium we use during cooking until we no longer need salt for flavor. Always read the labels and ask your grocer to carry more low-salt items; ask for low salt options in restaurants.

**FIRST WEEK**

**SECOND WEEK**

**THIRD WEEK**

**FOURTH WEEK**

We also need to read the Nutrition Facts label of meats such as bologna, ham, hot dogs, bacon, and chorizo, and also cheese, cottage cheese, bread and cereal.

Those are some of my favorite foods!

Don’t worry Raymundo I will still make you your favorite breakfast! But instead of eating them daily, I will only prepare them once or twice a week.

Remember Raymundo: everything in MODERATION!

Doña Fela, can you tell me about how to cook without salt.

Of course! When I was little, my grandmother had a secret recipe...
She used to season all of her foods with a combination of herbs and spices. She didn’t use any salt at all!

I’m sure this seasoning is hard to make. No, it is very easy. My grandmother was a great cook! I used to love her arroz con pollo!

Can we make her arroz con pollo using the old family recipe? Sure we can Paulina! Yes! Let’s go make it right now!

There are some homemade salt substitutes that can be made using herbs and spices that can enhance the flavor of foods. Try to find fresh and frozen poultry that does not have a sodium and flavor solution added (which adds sodium)*

Another option is to check in your grocery store for salt free seasonings.

*Source: American Heart Association.
Activity Sheet: We invite you to make Doña Fela’s Secret Family Recipe

Fill the salt shaker with these herbs and spices, and use it to flavor foods instead of salt.

- 1/4 cup chili powder
- 2 tbsp paprika
- 2 tsp oregano
- 1/4 tsp dry mustard
- 1/4 tsp garlic powder
- 1 tsp black pepper
- 1 tsp red pepper

This recipe can be found in *Your Heart Your Life a Community Health Worker’s Manual for Hispanics.*

I am so happy we have all decided to eat healthier, but I believe our family still needs to focus on eating more fruits and vegetables!

Yes, my health teacher told us we should eat fruits, vegetables, low-fat dairy products and whole grains. They are a good source of fiber, vitamins and minerals like calcium, potassium and magnesium. We should also eat lean proteins.

Check the amount of sodium in dairy items!
CALCIUM
Is a building block of bones and teeth. It affects blood vessels and blood pressure.

- Yogurt
- Milk
- Sardines
- Cheese
- Tofu
- Beans
- Fortified ready to eat cereal
- Fortified orange juice

Check the amount of sodium in dairy items!

FIBER
Fiber helps you feel full and helps move food through your system.

- Whole grain breads
- Bran Flakes
- Whole wheat
- Whole-wheat pastas
- Whole grains: Barley, popcorn, corn and brown rice
- Dried fruits: Apricots, dates, prunes
- Berries such as: Blackberries, raspberries
- Fruits: Oranges, apple with skin and pear
- Broccoli, spinach, green peas
- Dried peas and beans
- Chick peas and lentils
- Nuts and seeds
- Artichoke
- Potatoes and sweet potatoes
- Pumpkin
- Sauerkraut
- Banana
- Squash
- Tomato sauce

POTASSIUM
Potassium may play a role in decreasing blood pressure.

- Fish (Halibut, Tuna, Rockfish, Cod, Rainbow trout)
- Juice (Prune, carrot, tomato and orange)
- Tomato (Paste, puree and sauce)
- Legumes (White beans, soybeans, lima beans, pinto beans, kidney beans and lentils)
- Pork loin, center rib, lean, roasted
- Evaporated milk
- Sweet potato
- Clams, canned
- Prunes, stewed
- Cantaloupe
- Honeydew
- Beets
- Yogurt
- Corn
- Milk
- Potatoes
- Peach
- Spinach

MAGNESIUM
Magnesium helps the heart to pump more effectively.

- Almonds
- Nuts: Brazil, Cashew Peanuts, Pine nuts Hazelnuts, Walnuts
- Wheat flour, whole
- Branflakes cereal
- Shredded wheat cereal
- Black eyed peas
- Pumpkin seeds
- Sweet potatoes
- Coconut
- Chick peas
- Peanut butter
- Garbanzos
- Rice, brown
- Wheat bran
- Wheat germ
- Pinto beans
- Cornmeal
- Cowpeas
- Oat bran
- Oatmeal
- Pumpkin
- Beans
- Lentils
- Peas
- Spinach
- Banana

As you can see there are some foods that fit into more than one group.

We should all make it a goal to fill half of our plate with fruits and vegetables.

YUM! Now I’m craving for a salad with whole wheat crackers!

I’ll make a chicken salad tonight!

Don’t forget your fruits and veggies
Check the amount of sodium in grain items!

5 Don’t forget your fruits and veggies
This is a delicious dinner! I can get used to this!

See? I told you Raymundo, delicious and no salt at all!

I didn't know eating healthy could taste so good!

Most important of all is that we are all reducing our risk of high blood pressure.

Let's not forget something!

Even though sodium is everywhere, it is in our hands to choose our food with less sodium.

WHAT IS IT NOW?

Don't forget your fruits and veggies. See? I told you Raymundo, delicious and no salt at all!
Remember that food labeled as low or reduced sodium does not necessarily mean that you can eat all you want of that food.

Always try to pick tasty natural food that is low in sodium.

For you and your family’s health you can’t go wrong if you choose natural unsalted food over processed food.

You can still eat almost everything, but keep in mind that some foods give you in just 1 portion more than the daily sodium recommended.

Prepared at home is better than processed.

It’ll always be better if it is low in sodium.

Each can of soup has 2 servings, and if you eat the whole can you will be getting a lot of sodium.

Don’t forget your fruits and veggies. Each can of soup has 2 servings, and if you eat the whole can you will be getting a lot of sodium.
**Activity Sheet:** Constructing a plate!

**ChooseMyPlate.gov**

**HOW TO USE THE “MY PLATE METHOD”**

**BALANCING CALORIES**
- Enjoy your food, but eat less.
- Avoid oversized portions.

**FOODS TO INCREASE**
- Make half your plate fruits and vegetables.
- Make at least half your grains whole grains.
- Switch to fat-free or low-fat (1%) milk.

**FOODS TO REDUCE**
- Compare sodium in foods like soup, bread, and frozen meals and choose the foods with lower numbers.
- Drink water instead of sugary drinks.

[http://www.heart.org/HEARTORG/Conditions/More/ToolsForYourHeartHealth/Cardiovascular-Conditions-Video-Library_UCM_432751_SubHomePage.jsp](http://www.heart.org/HEARTORG/Conditions/More/ToolsForYourHeartHealth/Cardiovascular-Conditions-Video-Library_UCM_432751_SubHomePage.jsp)