

Choosing Healthy Beverages



Lesson Materials:

- Pencils/Pens
- Plastic baggies or clear eight to nine ounce cups
- Granulated sugar or sugar cubes (approximately one pound)
- Measuring teaspoons
- One 20 ounce soda bottle see Training Day Preparation
- · Set of Drink Label Cards
- Optional: Calculators

Trainer Materials:

- Sign-in sheet
- Name tags (optional)
- Self-stick flip chart paper
- Colored markers
- Nutrition Glossary
- Drink Label Card Calculations Key
- Optional: Water tasting ingredients and cups – see Training Day Checklist

Participant Handouts:

- 1. Set of Drink Label Cards
- 2. Calculating How Much Sugar is in a Container handout
- 3. Show Me the Sugar! handout
- 4. How Much Sugar? worksheet
- 5. Nutrition Facts Scavenger Hunt worksheet
- 6. Cucumber Mint Breeze recipe card
- 7. MyPlate icon
- 8. Choose MyPlate handout
- 9. Make Better Beverage Choices handout

Agenda

Welcome and Introductions	5 minutes
MyPlate Overview	5 minutes
Rethink Your Drink Campaign	5 minutes
Sugary Drinks Overview	10 minutes
Nutrition Label Reading Lesson & Activity	20 minutes
Do You Remember?	5 minutes
Reflection	5 minutes
Closing and Home Connection	5 minutes

Total Time 60 minutes

Objectives

By the end of this lesson, participants will be able to:

- 1. Describe how healthy beverages fit into the *MyPlate* dietary recommendations;
- 2. Understand the link between sugary drinks, obesity, and type 2 diabetes;
- 3. Identify types of sugary drinks in their diets;
- 4. Calculate the amount of sugar in beverages they commonly drink;
- 5. Identify drinks with less or no added sugar.

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Training Day Preparation:

- 1. Make copies of participant handouts
- 2. Prepare sign in sheets and nametags
- 3. Collect Lesson and Trainer materials
- 4. Prepare display bottle:
 - Empty and wash 20 ounce soda bottle and cap. Allow to dry completely.
 - Remove label from bottle and replace with Nutrition Facts label from Drink Label Cards for 20 ounce soda.
 - Fill bottle with 17 teaspoons of sugar or sugar cubes and recap.

Training Day Checklist

- 1. Sign-in sheet and nametags
- 2. Participant handouts (see list)
- 3. Lesson and Trainer materials (see lists)
- 4. Set up sugar, measuring spoons and baggies/cups on a table at the front
- 5. Optional: Set up water tasting

Cucumber Mint Breeze

1 cucumber, washed and sliced

1 bunch mint, washed

Ice

Water

Pitcher or dispenser

Tasting Cups

- 1. Put half of ice in dispenser/pitcher.
- 2. Add lightly crushed mint leaves and sliced cucumber on top of ice.
- 3. Top with more ice, and then fill with water.
- Serve with tasting cups during breaks.
 Note: Flavor gets stronger the longer it sits! Refill as needed.

Optional Display Materials and Handouts

- Sugar Synonyms poster
- Beverages: Make Every Sip Count handout
- How Much Sugar is in Your Drink poster
- Information about upcoming nutrition education opportunities







PRESENTER NOTES	PRESENTER SCRIPT
5 minutes	Welcome & Introductions
Introduce yourself and share a short professional background of yourself and your organization. Optional: Ask the participants to introduce themselves.	 Thank you all for joining me today. Today's topic is sugary drinks. You will learn about: 1. How healthy beverages fit into the <i>MyPlate</i> dietary recommendations; 2. The link between sugary drinks, obesity, and type 2 diabetes; 3. Types of sugary drinks that may be in your diet; 4. How to calculate the amount of sugar in beverages; 5. Healthy beverages you and your family can drink.
5 minutes	MyPlate Overview Materials: • MyPlate icon • Choose MyPlate handout
Introduce participants to MyPlate and the five food groups (Fruit, Vegetable, Grain, Protein Foods, and Dairy) by displaying the colorful MyPlate icon.	Let's begin with <i>MyPlate</i> . The <i>MyPlate</i> icon serves as a reminder that a person should eat foods from the five food groups each day. By eating a variety of foods from each food group, we give our bodies what they need to be and stay healthy.
Invite participants to share what they observe about the MyPlate icon.	Do you notice any differences in the food groups shown on the <i>MyPlate</i> icon?
Showcase to participants that half of the plate should be fruits and vegetables.	The portion sizes of each group are slightly different because we need different amounts from each food group. For example, we need more vegetables than fruit.

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PRESENTER NOTES	PRESENTER SCRIPT
Objective #1 Describe how healthy beverages fit into the MyPlate dietary recommendations	Notice that the beverage served with meals is milk. The lowest in fat are lowfat 1% and non-fat milk, and therefore they are better choices.
	In each food group, there are healthier foods that we should choose more often. These foods contain a lot of nutrients but not a lot of added sugars or solid, or saturated, fats.
Reference the Choose MyPlate handout.	The Choose MyPlate handout will help you and your families choose to eat these healthier foods more often.
5 minutes	Rethink Your Drink Campaign
	There are some foods and beverages made up almost entirely of added sugar and/or solid fats. In fact, these foods and beverages do not contain enough of any nutrients to put them into any food group within <i>MyPlate</i> .
Transition from MyPlate introduction to Rethink Your Drink Campaign	We're going to learn a few skills today that will help us to identify these foods and beverages so that we can begin to make healthy choices for ourselves and for our families.
Wait for responses.	Who here can share with the group if they have heard about the <i>Rethink Your Drink Campaign</i> , and what they know about it?
Introduce the Rethink Your Drink	The Rethink Your Drink Campaign:
Campaign from the California Department of Public Health	Educates Californians about healthy drinks,
	Helps Californians recognize the amount of added sugar and calories in sugary drinks,
	Communicates the link to health risks.

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PRESENTER NOTES	PRESENTER SCRIPT
Introduce health consequences. Objective #2 Understand the link between sugary drinks, obesity, and type 2 diabetes	Why? Extra calories from added sugar—like those in sugary drinks—can and do contribute significantly to overweight and obesity. In fact, sugary drinks are the largest source of added sugar in the American diet. ¹
	Sugary drinks contribute to increased risk for certain chronic diseases such as type 2 diabetes and heart disease. 2,3
	Drinking sugary drinks nearly doubles the risk of dental cavities in children. ⁴
	Plus, strong evidence shows that children and adolescents who consume more sugary drinks have higher body weight compared to those who drink less. ⁵
10 minutes	Sugary Drinks Overview Materials: • Make Better Beverage Choices handout • Flip chart & markers
Objective #3 Identify types of sugary drinks in their diets	What are sugary drinks?
Wait for responses.	Who can share an example of a sugary drink in their diet?
If a participant mentions a specific branded product, affirm	Thank you for participating. That particular brand that you mentioned is a type of sugary drink called
their participation and name the type of sugary drink it is.	Can anyone else think of another type of drink that has added sugar?

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PRESENTER NOTES	PRESENTER SCRIPT	
	Are there any others? Types of sugary drinks that may be	named:
	Soda/Soda pop	Sports drinks
List the types of drinks that are called out on the flip chart pad.	Energy drinks	Juice drinks
, ,	Flavored milk (e.g., chocolate, strawberry, vanilla)	Coffee drinks (hot or iced) with sweeteners or flavoring
Facilitate discussions during lulls in class participation by	Blended coffee drinks	Mocha
offering suggestions from the	Vitamin-added waters	Milk tea
table at right.	Boba/ Bubble/ Pearl tea or drink	Sweetened teas (hot or iced)
	Horchata	Agua fresca
	Yogurt drinks	Grass jelly drinks
Wait for responses.	The number of types of sugary drinks is amazing!	
Be sure to choose facts to which your audience can relate.	It is important to address sugary drinks because as mentioned, there's a link between sugary drinks and overweight, obesity, and type 2 diabetes. Many sugary beverages offer calories, but provide few nutritional benefits. Some other facts to consider: • In California, 62% of adolescents, 41% of children and 24% of adults drink one or more sodas per day. • Each year, the average California adolescent consumes the equivalent of 39 pounds of sugar from sugary drinks. • And, adults who drink one or more sugary drinks a day are 27% more likely to be overweight than adults who do not drink sugary drinks.	

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PRESENTER NOTES	PRESENTER SCRIPT
	Now we know what sugary drinks are, how they affect our health, and that too many sugary drinks are consumed.
	So what can we do to change our consumption patterns?
Make Better Beverage Choices handout	Today we're sharing with you "Make Better Beverage Choices – 10 Tips to get Started" from the www.MyPlate.gov website.
	You can see here on the handout, tip #9 says, "Check the Facts: Use the Nutrition Facts label to choose beverages at the grocery store. The label contains information about total sugars, fats, and calories to help you make better choices."
	So let's do that!
Transition to the skill-building portion of the lesson	Let's discuss how much sugar is in some of the most popular drinks by reading their nutrition label and calculating the amount of sugar they contain.
	Nutrition Label Reading Lesson & Activity Materials: • 20 ounce prepared display bottle (see Training Day
	Preparation)
	Calculating How Much Sugar is in a Container handout
	Show me the Sugar! handoutSugar Synonyms poster (optional)
20 minutes	Drink Label Cards
	How Much Sugar? worksheet
	Pens/pencils
	Calculators (optional)
	Granulated sugar or sugar cubes
	Measuring teaspoons
	Plastic baggies or clear eight or nine ounce cups

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PRESENTER NOTES	PRESENTER SCRIPT
Wait for responses.	How many teaspoons of sugar do you think is in a typical 20 ounce bottle of soda?
After participants guess, show them the prepared display bottle filled with sugar. Pass the display bottle around the class.	Answer: A typical 20 ounce bottle of soda can have as much as 14 teaspoons of sugar, or even more. This bottle has 14 teaspoons of sugar.
Objective #4 Calculate the amount of sugar in beverages they commonly drink	I'd like to show you how you can find out how much sugar is in a beverage by teaching you how to read a Nutrition Facts label.
	By the way, this is also a great exercise to do with your family the next time you're shopping for groceries.
	Please get into pairs or small groups of 3-4 people.
Calculating How Much Sugar is in a Container	
Calculating How Much Sugar is in a Container handout	Please refer to the Calculating How Much Sugar is in a Container handout.
	Can someone tell the class, what is the serving size listed in the Nutrition Facts label?
Wait for responses.	Answer: This label lists 20 fluid ounces as the serving size.
Wait for responses.	Can someone tell the class, how many servings per container are listed in this Nutrition Facts label? Answer: This label lists one serving.

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PRESENTER NOTES	PRESENTER SCRIPT
Wait for responses.	How much sugar is listed? Answer: There are 68 grams of sugar listed in this label.
	Let's see how many teaspoons that actually is. To do that, divide the grams of sugar by four to get the total teaspoons of sugar. Grams of Sugar ÷ 4 = Teaspoons of Sugar
Optional: Participants can use a calculator	This example has 68 grams of sugar. So: 68 grams of sugar ÷ 4 = 17 teaspoons of sugar.
	Note that this bottle is only one serving. However, if the container lists more than one serving, you would need to multiply the number of teaspoons of sugar by the number of servings in the container to get the total teaspoons of sugar in the entire container.
	For example,
	17 teaspoons of sugar x 2 servings in the container = 34 teaspoons of sugar in the container.
	We just learned how to calculate the number of teaspoons of sugar in a beverage. These same calculations work on food as well. You can do this with any Nutrition Facts label.
	Next, we'll look at the Ingredients list; but before we do this let's talk briefly talk about the different types of sugar:
Types of sugar	
	Sugar comes in many forms and has many names. Though not listed separately on the Nutrition Facts label, many drinks contain two types of sugar: naturally occurring sugar and added sugar.

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PRESENTER NOTES	PRESENTER SCRIPT	
	Naturally occurring sugars are found naturally in fruits (fructose) and milk (lactose). These sugars are part of overall healthy package of nutrients that these foods packages are found naturally in fruits (fructose) and milk (lactose).	the
	Added sugars, however, add calories but no nutrients foods. Added sugars are found mainly in processed for and drinks.	
	That's why we are encouraged to eat foods with less added sugars.	
Show me the Sugar! handout Optional: Refer to Sugar Synonyms poster	One way to know if there is sugar (added, natural, or be to read the ingredients list on the label. Names of nature occurring sugars include: • Fructose • Lactose • Maltose • Glucose (aka dextrose) • Sucrose	
	Names of added sugars frequently found in the ingred list of foods and beverages include:	ients
Refer to Sugar Synonyms poster or write names on flip chart pad.	 Invert sugar Corn syrup High fructose corn syrup Malt syrup Maple syrup Brown sugar Raw sugar Honey Maltodextrin Molasses 	
	Check the ingredients list of a beverage or snack.	
	If a type of sugar is in the first three ingredients, the principle is likely to have a lot of added sugars.	roduct

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PRESENTER NOTES	PRESENTER SCRIPT	
How Much Sugar?		
	Let's take a closer look at the sugar that is in a few popular types of drinks.	
Provide each group with One Drink Label Card	In pairs or small groups, please fill in the <i>How Much Sugar?</i> worksheet with the following, based on your Drink Label Card:	
How Much Sugar? worksheet	Beverage name (type)	
A pen and/or pencil	 Grams of sugar per serving Servings per container	
Calculator (optional)	Total grams of sugar per container	
	Total teaspoons of sugar	
	Form(s) of added sugar (natural, added, none, or both)	
Set up a table at the front of the class with:	Once your team has completed the <i>How Much Sugar?</i> worksheet, please identify one team member to come up to show the class how much sugar is in your drink.	
 Granulated sugar or sugar cubes 	Please share with the class the information listed on your	
Measuring teaspoon	worksheet: beverage name, grams of sugar per serving,	
 Plastic baggies or clear eight to nine ounce cups. 	total grams of sugar, total teaspoons of sugar, form(s) of sugar.	
Have one participant from each	Let's help [name of participant] count out loud the number of teaspoons in his/her drink.	
group:	Was anyone surprised by the amount of sugar in any of the	
 Share the information on their sheet; 	beverages?	
 Measure out the number of teaspoons of sugar into the 	Did it seem like there was a lot of sugar in some of the beverages?	
baggies/ cups.	Would you eat that amount of sugar or put that much into your coffee each day?	

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PRESENTER NOTES	PRESENTER SCRIPT
Objective #5 Identify alternative drinks with less sugar or no added sugar	You may ask, "What can I drink instead of a sugary drink?" Try these
Wait for responses.	 Water – Plain or flavored with added fruit, vegetables and herbs, like we have available today
Give suggestions from the listing.	 Unsweetened seltzer water or unflavored sparkling water Unsweetened tea (iced or hot) Unsweetened coffee (iced or hot) Non-fat or lowfat (1%) unflavored milk
Break	Wrap up lesson and activity. Leave time for Q&A.

Common Questions

What about juice?

100% fruit juices have a lot of natural sugar. It is recommended that we limit our daily juice intake to four to six ounces for children, and up to eight ounces (or one cup) for adults. When you do drink juice, choose 100% juice—so check the label!

Also, remember that it is better to eat whole fruits and vegetables, like apples or carrot sticks. If you choose a whole fruit instead, you'll be on your way to reaching the *MyPlate* goal of making your half your plate fruits and vegetables and you'll add fiber to your diet. Fiber may help lower the risk of high blood pressure, heart disease, stroke, and some types of cancer.

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Common Questions (Continued)

What about diet drinks?

Diet sodas and some processed foods contain non-caloric sweeteners approved by the Food and Drug Administration (FDA). If you're trying to lose weight or prevent weight gain, drinks sweetened with artificial sweeteners may appear attractive because they have virtually no calories. On the other hand, some research has suggested that drinks with artificial sweeteners may be associated with increased weight, but it is uncertain if they are the cause.⁷

A better alternative is a glass of water. Cool and refreshing water is: sugar-free, calorie-free, and cost-free. If you want a fizzy beverage, try seltzer water or unflavored sparkling water instead.

How much milk should you drink?

According to the 2010 Dietary Guidelines for Americans, recommended amounts of milk and milk products, including fortified soy beverages, are:

- Three cups per day for adults and children and adolescents ages nine to 18 years.
- Two and one-half cups per day for children ages four to eight years,
- Two cups for children ages two to three years.

And remember to choose lowfat or non-fat milk for anyone over two years of age.

What can I drink instead of a sugary drink?

- Water Plain or flavored with added fruit, vegetables and herbs, like we have available today
- Unsweetened seltzer water or unflavored sparkling water
- Unsweetened tea (iced or hot)
- Unsweetened coffee (iced or hot)
- Non-fat or lowfat (1%) unflavored milk (ages two and above)

Reducing the number of sugary drinks may lead to weight loss and better health. Plus, if you are not buying these drinks, it can help you save money.

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PRESENTER NOTES	PRESENTER SCRIPT
5 minutes	Do You Remember?
	We've covered a lot of important information today, so before we end our time together, let's review a few of the key highlights:
	How many teaspoons of sugar are in a typical 20 ounce soda bottle?
	14 teaspoons of sugar
	How do you calculate the number of teaspoons of sugar in a beverage?
	Grams of Sugar ÷ 4 = Teaspoons of Sugar
	Bonus: Multiply by Total Servings = Total Teaspoons in container
	True or False: Adults and children who drink one or more sugary drinks a day are more likely to be overweight or obese.
	True
	Instead of a sugary drink, name another beverage you can drink.
	 Water – plain or flavored with added fruit, vegetables and herbs
	 Unsweetened seltzer water or unflavored sparkling water
	 Unsweetened tea (hot or iced)
	 Unsweetened coffee (hot or iced)
	 Non-fat or lowfat (1%) unflavored milk

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PRESENTER NOTES	PRESENTER SCRIPT
5 minutes	Reflection
Ask participants to share aloud with the group. Thank and encourage participants who are willing to share. Validate responses and offer refinements to align with MyPlate recommendations.	 This next section is about reflection. It is an opportunity for you to reflect on what you learned, what you felt, and what you will do after our time together. For example: I LEARNED that it is recommended that I drink less sugary drinks. I FEEL that I can drink water instead of sugary drinks between meals. I am GOING to carry a water bottle with me.
5 minutes	 Closing and Home Connection Materials: Calculating How Much Sugar is in a Container handout Nutrition Facts Scavenger Hunt worksheet Optional: Information about upcoming nutrition education opportunities
Calculating I	How Much Sugar is in a Container worksheet
Calculating How Much Sugar is in a Container worksheet	 Take this worksheet home with you and practice the skills that we learned today: 1. Read the Ingredients list. 2. Find the amount of sugars per serving on the Nutrition Facts label. Multiply the sugars per serving by the number of servings you typically eat or drink in a sitting. Divide by four to find the number of teaspoons of sugar in that food or drink.
	To help you remember, post the <i>Calculating How Much Sugar</i> handout on your refrigerator at home, or tape it to the inside of your kitchen cupboard.
	I would expect that, like today, you'll be surprised at what you find.

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PRESENTER NOTES	PRESENTER SCRIPT	
Nutrition Facts Scavenger Hunt worksheet		
Nutrition Facts Scavenger Hunt worksheet	You each have a copy of the Nutrition Facts Scavenger Hunt. Think of the foods and drinks you most commonly have at home. Are there any that you feel may be high in added sugar?	
Encourage participants to complete the scavenger hunt and to be mindful of the commitments they made to their health during the "Reflection" activity.	Expand the scavenger hunt! Help friends and family do a scavenger hunt activity in their kitchen!	
 Also have available: Information about upcoming nutrition education opportunities Contact information for questions or follow-up 	Many thanks to each of you for your participation and your willingness to share in the learning experiences together today.	

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Additional Resources for Healthy Beverage Information:

- USDA Team Nutrition:
 - Serving Up My Plate—A Yummy Curriculum http://www.fns.usda.gov/tn/resources/servingupMyPlate.htm
 - Juice or Fruit Drinks
 http://www.teamnutrition.usda.gov/Resources/Nibbles/Nibbles_Newsletter_19.pdf
- USDA Choose MyPlate: http://www.chooseMyPlate.gov/healthy-eating-tips/ten-tips.html
- Women, Infants & Children Supplemental Food Program Rethink Your Drink Materials: http://www.cdph.ca.gov/programs/wicworks/Pages/WICRethinkYourDrink.aspx
- Dairy Council of California Rethink Your Drink Materials: http://www.healthyeating.org/Schools/Parent-Nutrition-Education/Rethink-Your-Drink.aspx

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