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# GASTROESOPHAGEAL REFLUX DISEASE DIET



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## PURPOSE

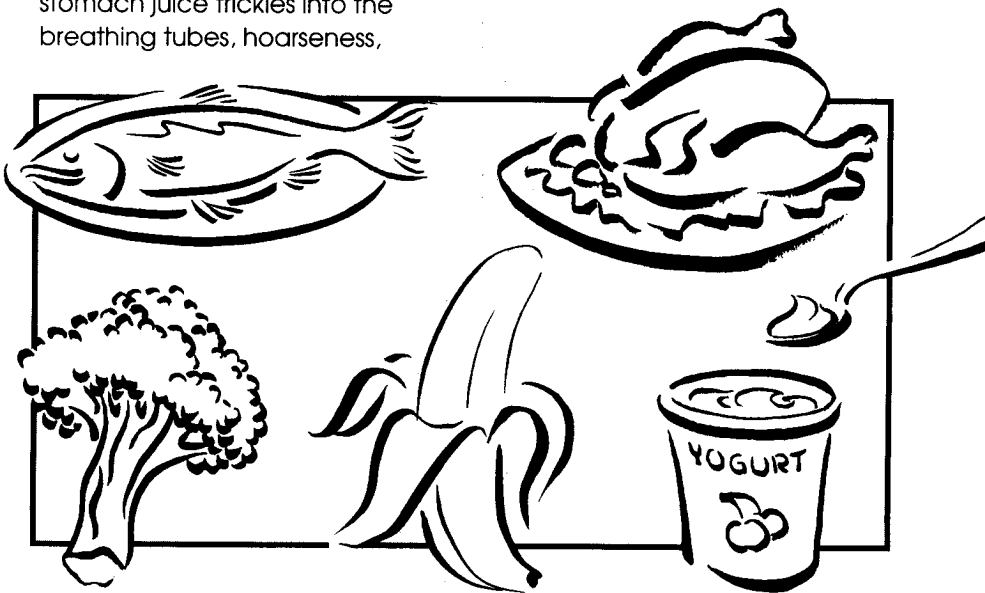
The esophagus is the tube that carries food from the throat to the stomach. However, it is not just a simple tube. The lower esophagus has a specialized muscle around it that usually stays tightly closed, opening only to allow food and liquid into the stomach. It acts to prevent the reflux of stomach acid into the esophagus.

Symptoms occur when this specialized muscle weakens and allows stomach acid to splash up into the esophagus. These symptoms include heartburn, chest discomfort, and bitter fluid flowing up into the mouth. Chest discomfort can occur. If the stomach juice trickles into the breathing tubes, hoarseness,

cough, and even shortness of breath can occur. This entire problem is called GERD (Gastroesophageal Reflux Disease). A number of factors, including certain foods, may cause the lower esophageal muscle to relax, causing GERD.

## NUTRITION FACTS

A diet designed to prevent or reduce acid reflux is usually easy to follow. The basic food groups of cereals, vegetables, fruits, dairy products, and meats can be eaten with only a few limitations. So, this diet meets the **Recommended Dietary Allowances (RDA)** of the National Research Council.



## SPECIAL CONSIDERATIONS

The lower esophageal muscle can be weakened by factors other than food. The following recommendations may be helpful in reducing symptoms:

1. Stop using tobacco in all forms. Nicotine weakens the lower esophageal muscle.
2. Avoid chewing gum and hard candy. They increase the amount of swallowed air which, in turn, leads to belching and reflux.
3. Do not lie down immediately after eating. Avoid late evening snacks.
4. Avoid tight clothing and bending over after eating.
5. Eat small portions of food at mealtime.
6. Lose weight if overweight. Obesity leads to increased reflux.
7. Elevate the head of the bed six to eight inches to prevent reflux when sleeping. Extra pillows, by themselves, are not very helpful.
8. The following foods weaken the muscle valve in the lower esophagus, aggravate acid reflux, and should be avoided:

fatty or fried foods	peppermint and spearmint
whole milk	oils
chocolate	creamed foods or soups
9. The following foods irritate an inflamed lower esophagus and may need to be limited or avoided:

citrus fruit and juices (grapefruit, orange, pineapple, tomato)	coffee (regular and decaffeinated) caffeinated soft drinks
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10. The following foods strengthen the muscle valve in the lower esophagus and help to prevent acid reflux.

low-fat, high protein foods  
low-fat carbohydrates (bread, cereal, pasta, crackers)  
calcium, as in fat-free milk and low-fat yogurt

# FOOD GROUPS

<u>Group</u>	<u>Recommend</u>	<u>Avoid</u>
<b>Milk or milk products</b>	skim, 1%, or 2% low-fat milk; low-fat or fat-free yogurt	whole milk (4%), chocolate milk
<b>Vegetables</b>	all other vegetables	fried or creamy style vegetables, tomatoes
<b>Fruits</b>	apples, berries, melons, bananas, peaches, pears	citrus: such as oranges, grapefruit, pineapple
<b>Breads &amp; grains</b>	all those made with low-fat content	any prepared with whole milk or high-fat
<b>Meat, meat substitutes</b>	low-fat meat, chicken, fish, turkey	cold cuts, sausage, bacon, fatty meat, chicken fat/skin
<b>Fat, oils</b>	none or small amounts	all animal or vegetable oils
<b>Sweets &amp; desserts</b>	all items made with no or low fat ( $\leq 3$ g fat/serving)	chocolate, desserts made with oils and/or fats
<b>Beverages</b>	decaffeinated, non- mint herbal tea; juices (except citrus); water	alcohol, coffee (regular or decaffeinated), carbonated beverages
<b>Soups</b>	fat-free or low-fat based	chicken, beef, milk, or cream-based soups