FACT SHEET





Salt of the Earth Reducing Sodium in the U.S. Diet

OVERVIEW

One in 10 cardiovascular deaths worldwide have been attributed to consuming too much sodium.¹ High sodium intake is associated with high blood pressure.² About 1 in 3 adults living in the U.S. have high blood pressure³ and only half have their high blood pressure under control.⁴ Alarmingly, many youth are also being diagnosed with high blood pressure.⁵ This common condition increases the risk for heart disease and stroke, two leading causes of death in the U.S.³

One in 10 cardiovascular deaths have been attributed to sodium intake of greater than 2,000 milligrams a day.⁶ On average, that level is exceeded by 99.2 percent of the world's adults.⁵ In the U.S., it is estimated that 66,508 deaths, 9.5 percent of all cardiometabolic deaths, were attributed to high sodium diets.⁷

The American Heart Association advocates for a multifaceted, stepwise reduction in sodium consumption in the diet. The association further recommends a simultaneous sustained commitment by the food and restaurant industries to reduce the amount of salt added to the food supply.



AMOUNT OF SODIUM IN THE U.S. DIET

On average Americans consume 3,440 mg of sodium per day.⁸ Only a small amount of total sodium intake comes from sodium naturally ocurring in foods (14 percent), from salt added in home cooking (6 percent), or at the table (5 percent).⁹ More than 70 percent of the sodium Americans consume comes from processed, prepackaged, and restaurant foods.⁸ Mixed dishes including burgers, sandwiches, and tacos; rice, pasta, and grain dishes; pizza; meat, poultry, and seafood dishes; and soups account for almost half of the sodium consumed in the U.S.⁷ These foods are often commercially processed or prepared. The American Heart Association recommends that the maximum intake for the U.S. population should be 1,500 mg per day for optimal cardiovascular health.

Adapted from Harnack et al, 2017

Diets rich in potassium can blunt the effects of high sodium intake and lower blood pressure.¹⁰ Consistent with these benefits, potassium-rich diets are associated with lower risk of cardiovascular disease, especially stroke.¹¹ However, fewer than 2 percent of adults living in the U.S. consume enough potassium.¹² Dietary sources of potassium include fruits, vegetables, whole grains, legumes, and nuts.⁷ Given the high intake of sodium and low intake of potassium in the U.S., it is important to both pursue reducing sodium consumption and increasing potassium consumption. Increasing potassium consumption on its own is not a feasible solution to the high levels of sodium consumption in the U.S.

THE POPULATION AT RISK

The 2015 Dietary Guidelines for Americans recommend that adults in the U.S. consume no more than 2,300 mg of sodium daily, and specific populations with prehypertenision or hypertension should aim for 1,500 mg or less per day.⁷ About half the U.S. adult population faces increased risk of high blood pressure due to excess sodium, particularly black people; people over age 50; and people with diabetes or chronic kidney disease.¹³ Blood pressure of black people living in the U.S. is among the highest in the world, 57.6 percent of non-Hispanic black males and 53.2 percent of non-Hispanic black females have high blood pressure.¹⁴ Approximately 41 percent of U.S. adults are projected to have hypertension by 2030.¹⁵ Reducing sodium consumption to the Dietary Guidelines for Americans recommendation of 2,300 mg per day would be great progress in improving the health of Americans.



Adapted from: NHANES data, 2007-2010

Represents the Dietary Guideline's recommendation of no more thatn 2,300 mg of sodiumper day

Represents the association's recommendation of less than 1,500 mg of sodiumper day and the current Dietary Guideline's recommendation of sodium intake for special populations

ECONOMIC AND HEALTH BENEFITS

A government-supported national policy to reduce sodium by 10 percent over ten years would be cost effective in most countries across the world, including the U.S.¹⁶ This cost effectiveness is seen even without accounting for healthcare savings that come from preventing heart attacks and stroke.¹⁵ The many benefits of lowering sodium intake underscore the need for a comprehensive, coordinated public health strategy to lower the amount of sodium in the average person's diet.

The U.S. Food and Drug Administration (FDA) has proposed voluntary sodium targets for processed and commercially prepared foods. If those targets were achieved, it could prevent approximately 450,000 cases of cardiovascular disease, gain approximately 2.1 million discounted guality-adjusted life years, and produce discounted cost savings (health savings minus policy costs) of approximately \$41 billion.¹⁷

In the United Kingdom, voluntary sodium guidelines for packaged and restaurant foods led to considerable reductions of sodium in the food supply and a concurrent 15 percent reduction in sodium intake in a sample of the population as well as reduction in blood pressure, heart attacks, and strokes.¹⁸

THE AMERICAN HEART ASSOCIATION ADVOCATES

The majority of people in the U.S. would experience health benefits from an overall reduction in sodium.¹⁰ Therefore, the association is committed to collaborating with its national and state partners to implement a successful sodium reduction strategy. The association will:

- Collaborate with the Food and Drug Administration, the U.S. Department of Agriculture, the Centers for Disease Control and Prevention, the National Forum for Heart Disease and Stroke Prevention, as well as other organizations, to achieve lower sodium levels in the food supply, address food labeling, develop consumer education campaigns, and promote a progressive sodium reduction strategy to lower the daily consumption of sodium.
- Support efforts by food manufacturers, restaurants, and other food service companies to reduce sodium in their products, and support the . FDA's voluntary sodium targets and once released, encourage companies to adopt them.
- Work to ensure that sodium and other nutrition information is available in all restaurants at point of purchase and educate consumers about the value of that information to their health.
- Advocate at the state and federal level for
- nutrition standards that reduce sodium in school foods as well as
- for foods and beverages marketed and advertised to children.
- Monitor industry's efforts to maximize technologies that remove sodium from the food supply and advocate for economic incentives for manufacturers and retailers to develop sodium reduction plans.
- Continue to develop robust surveillance at the state and national level for sodium consumption in the U.S. population, including an updated and comprehensive food database to track sodium changes in the food supply over time.
- Promote robust standards for foods purchased and provided by local, state, and federal government agencies, schools, recipients of government funds (private contractors, grantees), employers, and food retailers.
- Advocate for incentives for health insurers and providers to offer sodium-related consultation/education to patients with high blood pressure or who are at risk for high blood pressure.
- Work with state departments of health to develop statewide stakeholder groups, identify state-based surveillance opportunities, include sodium objectives in state heart disease and stroke prevention plans, and develop a policy agenda for sodium initiatives.
- Promote participation by national, state, and local partners in Million Hearts™,¹⁹ an initiative that brings together communities, health systems, nonprofit organizations, state and federal agencies, and private-sector partners from across the country to fight heart disease and stroke and includes a focus on reducing sodium in the food supply.

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