SODIUM: THE FACTS



Sodium is Essential

Sodium is an essential mineral required to maintain health. Working in combination with other elements such as potassium primarily chloride, sodium is responsible for regulating water content and electrolyte balance in body fluids.



The minimum physiological sodium requirement is estimated at about 200-500 mg daily.

Sodium is found naturally in foods such as milk, meat and fish.

Salt or Sodium

About 90% of the sodium that we consume is in the form of salt. The words salt and sodium are often used interchangeably, yet are not the same.

> 400 mg SALT SODIUM

1 g **2.5** g SODIUM SALT

Health Impact of Excess Sodium



Scientific data indicate a strong causal and dosedependent relationship between high sodium consumption and elevated blood pressure.



There is only modest direct evidence suggesting that reducing sodium intake reduces CVD risk. Nevertheless, blood pressure is a well-established surrogate marker of CVD risk.



Excess sodium intake promotes structural and functional impairment of the heart, vessels, and kidneys, which can evolve over time toward cardiovascular and renal complications of all kinds.



Excess sodium intake has also been linked to osteoporosis and gastric cancer.

Roles of Salt in Food







Preservation

Texture

Sodium Recommendation

World Health Organization recommends limiting free sodium to:



2000 mg



1600 mg per day

(adjusted to energy requirements)

Δdult 2000 kcal

Child 1600 kcal

Sodium and Other Minerals



Other minerals, especially potassium and possibly magnesium or calcium, appear to be at least as important as sodium in regulation of body fluids.



A combination of these nutrients in the diet seems to be more effective in promoting healthy blood pressure than any one nutrient alone.

In fact, public health interventions should aim to reduce sodium intake and simultaneously increase potassium intake from foods (e.g. fruit, vegetables and nuts), as recommended by WHO.

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