PAHO/ WHO – FAO Pre-CCNSDDU technical workshop on sodium/salt and sugars

09:45 - 10:15: Overview of critical issues related to terminology, labeling and nutrient values in support of healthier food choices



Dr Ricardo Uauy,
INTA Institute of Nutrition U of Chile,
member PAHO Expert group



Joint WHO/FAO expert consultation on diet, nutrition and the prevention of chronic diseases



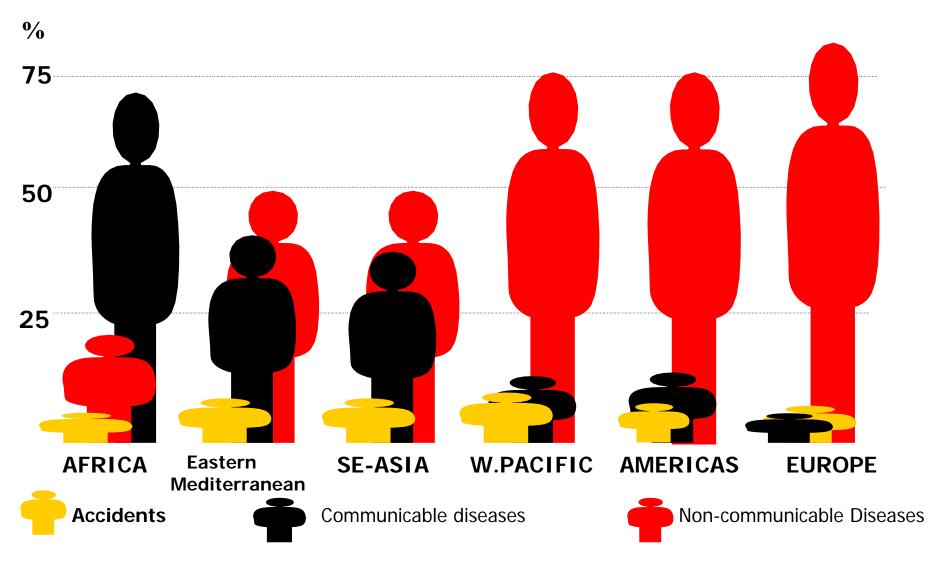
Geneva, Switzerland 28 January – 1 February 2002

Diet, nutrition and the prevention of chronic diseases

Report of the Joint WHO/FAO expert consultation

Technical Report Series 916 www.who.int/hpr/nutrition/ExpertConsultationGE.htm

Deaths by Regions of the World



Source: WHO, World Health Report 2004

Principal nutrient/food changes

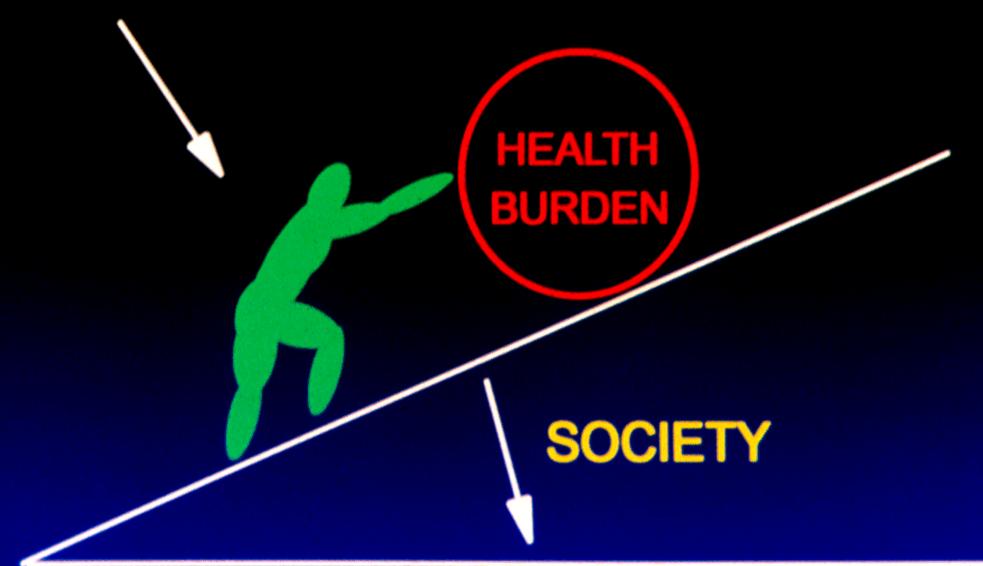
Reduce

- Total fat
- Saturated Fats (C14,C16)
- Trans fatty acids
- Refined starches
- Free sugars
- Sodium/salt
- Preserved meats

Increase

- PHYSICAL ACTIVITY
- Vegetables
- Fruits, legumes
- Fibre/NSP
- ω 3 fatty acids (EPA+DHA)
- Iron/iodine/Zinc
- Folate

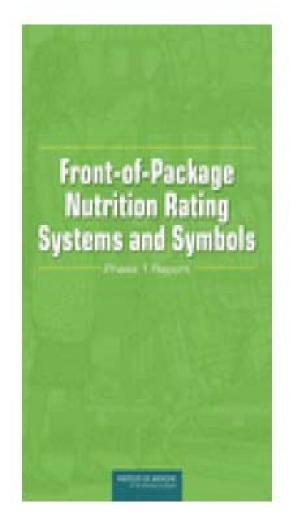
INDIVIDUAL



WHO Global Strategy 2004

Specific recommendations to the food industry:

- •Limit the levels of saturated fats, trans-fatty acids, free sugars, and salt in existing products
- Provide consumers with adequate and understandable product and nutrition information
- Issue simple, clear and consistent food labels and evidence-based health claims



Examination of Front-of-Package Nutrition Rating Systems and Symbols: Phase I Report

Ellen A. Wartella, Alice H. Lichtenstein, and Caitlin S. Boon, Editors; Committee on Examination of Front-of-Package Nutrition Ratings Systems and Symbols; Institute of Medicine

ISBN: 0-309-15828-1, 200 pages, 6 x 9, (2010)

This free PDF was downloaded from: http://www.nap.edu/catalog/12957.html

Terminology:

- Nutrient Reference Values numeric representation of nutrient intakes associated with life long promotion of good health
- Labeling information
- •Front-of-package systems focus on nutrients or food components that are most strongly associated with the diet-related health risks affecting the greatest number of people

Terminology:

- The information highlighted in front-of-package systems should be consistent with the Nutrition Information on back of pack panel.
- •Front-of-package systems should apply to as many foods as possible, specially those foods that are the largest contributors to the population intake of the given critical nutrient.
- •Reference nutrient values should be supported by evidence of impact on long term health and prevention of NCDs.

Terminology:

- Nutrition Labeling, informs consumers on nutritional properties of food, short and long term
- Nutrient Reference Value numeric representation of nutrient content associated with promotion of good health short and long term
- •Most commonly NRV is expressed as Max or a min, or as % of max or min.
- NCD outcomes are not single nutrient dependent or rarely provide clear dose response.

- Nutrient-Specific Systems: symbols display the amount per serving of select nutrients from the panel on the front of the food package or use symbols based on claim criteria. "low fat," "high fiber,"
- A declaration of calories per serving should also be used in the front of the food pack label
- Percent daily values (%DV) or guideline daily amounts (%GDA) appear on the front of pack, may also include traffic light colors or words to indicate that a product contains "high," "medium," or "low" amounts of given nutrients.

- Numeric score (i.e., 1–100) or symbols (i.e.,0, 1, 2, 3) to indicate the nutritional quality of product.
- Food Group Information Systems: Systems in which symbols are awarded to a food product based on presence of a food group or ingredient.
- Some symbols indicate the presence of a serving (or partial serving) of a particular food group; other symbols indicate the presence of ingredients considered to be important dietary components, such as whole grains.
- Nutrient-specific systems have been developed largely by food manufacturers and retailers

BOX 7-1

Nutrient-Specific Information Option 1: Nutrient Amounts per Serving

Declaration of:

- Calories
- Saturated fat + trans fat (g)
- Sodium (mg)
- Serving size

BOX 7-2

Nutrient-Specific Information Option 2: Nutrient Amounts Within the Context of a Daily Diet

Declaration of:

- %DV of calories based on a 2000-calorie/day diet
- %DV of saturated fat + trans fat (using DV for saturated fat as basis for calculation)
- %DV of sodium
- Serving size

*Calories, grams of saturated + *trans* fats, and milligrams of sodium could also be displayed.

TABLE S-1 Overview of Existing Front-of-Package Programs

System Icon	Program Name	System Developer	Criteria Publicly Available	Basis for Nutrient Criteria
	Nutrient-Spec	ific Systems		
Nutrition Highlights Cates Section Segan 100 01 196 196 196 196 196 196 196 196 196 19	General Mills Nutrition Highlights ^a	Food manufacturer	Yes	FDA %DVs
	General Mills Goodness Corner ^b	Food manufacturer	Yes	FDA regulations for nutrient content claims
[Image withheld at the request of the retailer]	Harris Teeter Wellness Keys ^c	Retailer	Yes	FDA regulations for nutrient content claims
Colorius Statulful Sachum Sugario Fiber Supario 200 Is 5mg 120 6c 24% 15% Cach serving provides these percentages of the CEA based on a 2,000 culoris diet. See also passed flor servities information.	Kellogg's Nutrition at a Glance ^d	Food manufacturer	Yes	FDA %DVs presented as %GDAs
LOW SAT FOT SUIGAR MED SALT 7.7g 2.0g 42.2g 2.0g Perserve Perserve Perserve	UK Traffic Light ^e	Government agency	Yes	EC regulation No. 1924/2006 for green/amber boundaries; COMA and SACN advice for amber/red

ENOICES.	Choices (EU) ^g	Non-industry experts	Yes	WHO guidelines for saturated and trans fats, sodium, sugars; dietary guidelines from 21 countries
Guiding Stars* Hairifiera choice made simple*	Guiding Stars ^h	Retailer	No	Proprietary algorithm based upon FDA, USDA, USDHHS, IOM, and WHO recommendations and regulations
THEART & STROKE	Canada's Health Check'	Nonprofit organization	Yes	Canada's Food Guide
Reprint permission pending	Giant Food Healthy Ideas	Retailer	Yes	Dietary Guidelines for Americans, implied nutrient content claims, and health claims
Products with this mark meet criteria for Saturated Fat & Cholesterol American Heart Association heartcheckmark arg	AHA Heart Check*	Nonprofit organization	Yes	FDA %DVs, implied nutrient content claims, coronary heart disease health claims

Front-of-Pack device of the Choices Programme. Exact wording on the logo varies with the local

at this time	I WOLD HILLEN	enterra		
1-100 NuVal Nutrition made easy.	NuVal [†]	Non-industry experts	No	Proprietary algorithm based upon Dietary Guidelines for Americans and DRIs, as well as established data in scientific literature
Solution-	Kraft Sensible Solution"	Food manufacturer	Yes	Dietary Guidelines for Americans, and authoritative statements from NAS and FDA
SMART CHOICES PROCEAM GROUPES PROCEOUS THE TRANSPORTED PROCESS TO THE TRANS	Smart Choices"	Industry and non-industry consortium	Yes	Dietary Guidelines for Americans, and authoritative statements from NAS and FDA
Reprint permission pending	PepsiCo Smart Spot°	Food manufacturer	Yes	Authoritative statements from FDA and NAS
CO COLO	Sweden National Food Administration Keyhole	Government agency	Yes	National Food Administration Regulation LIVSFS 2005:9

⁷Reprinted with permission of NuVal, LLC.

System Icon	Program Name	System Developer	Criteria Publicly Available	Basis for Nutrient Criteria
Reprint permission pending	Australia/New Zealand Tick Programme ^q	Industry and non-industry working group	Yes	Working-group determined values
F	ood Group Info	rmation System	ıs	
START CAKING CHOICES.com	ConAgra Start Making Choices'	Food manufacturer	Yes	USDA's MyPyramid



Whole Grain Council Whole Grain Stamp

Industry and non-industry consortium

Yes

USDA's MyPyramid

^q Reprint permission pending.

^{&#}x27;START MAKING CHOICES® is a registered trademark of ConAgra Foods RDM, Inc.

⁵ Courtesy Oldways and the Whole Grains Council, wholegrains council.org.

120 CALORIES PER SERVING

9 SERVINGS PER PACKAGE

BASIC PRODUCT GROUP I

Fresh or fresh frozen fruit, vegetables & Legumes	All types of fresh fruit, vegetables, and legumes without additives, including freshly frozen and/or sliced fruit & vegetables. <i>E.g.: precut leek, pre-sliced melon, cucumber, broccoli, deep-frozen spinach (without added cream), and raspberries.</i>
Processed fruit & vegetables	All types of processed fruit & vegetables, with the exception of fruit juices and frozen or pre-sliced fruit & vegetables without further processing. E.g.: tinned tomatoes, tinned carrots, tinned kidney beans, deep-frozen spinach à la crème, deep-frozen vegetables, tomato juice, dried lentils, pickles, mixed vegetable juices, dried apricots or figs, pine on juice, fruit cocktail in own juice or syrup, apple sauce, candied dates, strawberry purée, olives, mixed fruit & vegetable purées or juices.
Fruit juices	All kinds of fruit juices with a minimum of 98% own juice. E.g.: orange juice, apple juice, multi-fruit juice.
Water (plain)	Includes natural (mineral) waters and other bottled waters, whether non-carbonated or carbonated.

BASIC PRODUCT GROUP II

Potatoes (unprocessed)	All unprocessed uncooked potatoes, without additives, including peeled, sliced and/or chilled potatoes
Potatoes (processed), Pasta/ noodles	All kinds of potato products, pasta and similar grain products, used for a main course. <i>E.g.: boiled/fried potatoes, mashed potato, (wholemeal) pasta.</i>
Bread	All kinds of bread or substitutes for bread with the exception of breakfast cereals. <i>E.g.:</i> wheat bread, wholemeal bread, crisp bread, croissants, rye bread, specialty rolls, and crackers.
Rice	All kinds of rice, used for a main course. E.g.: boiled, dried unpolished rice, white rice, whole grain rice.

BASIC PRODUCT GROUP III

Grains and cereal products	All kinds of grains and cereal products (other than bread and breakfast cereals). <i>E.g.: flour, breadcrumbs, binding agents, pancake mixes.</i>
Breakfast cereal products	All kinds of breakfast cereal products. <i>E.g.: muesli, cruesli, oats, cornflakes, rice crispies.</i>
Meat, poultry, eggs (unprocessed)	All kinds of unprocessed meat, poultry and eggs (including deep-frozen meat without further processing). <i>E.g.: beef, pork, turkey, egg.</i>
Processed meat, meat products and meat substitutes	All kinds of processed meat/poultry, meat products and (vegetable) meat substitutes. <i>E.g.: ready-to-eat meatballs, spiced or salted meat (fresh or deep-frozen), salami, smokedried beef, grilled ham, tempeh, tofu, dairy-based meat substitute, fungus-based meat substitute.</i>

BASIC PRODUCT GROUP IV

Eroch or froch

products

frozen fish, shellfish and	(including deep-frozen, steamed or smoked fish without further processing). <i>E.g.: uncooked herring, cod (fresh or deep-frozen), fresh eel, lobster crab, mussel, and shrimp.</i>
	All kinds of processed fish, processed crustaceans and processed shellfish. <i>E.a.: cod parings, fried fillet of haddock.</i>

All kinds of unprocessed fish crustaceans and shallfish

processed shellfish. *E.g.:* cod parings, fried fillet of haddock,

deep-fried octopus/ squid (cephalopod), pickled mussels,

yoghurt, evaporated milk, coffee cream, cream (for culinary

	herring in tomato sauce, tinned sardines, tinned tuna, spiced or salted fish (fresh or deep-frozen).
Milk (products)	All kinds of milk and milk products. E.g.: low fat milk, buttermilk semi-skimmed milk, full-cream milk, low fat yoghurt, semi-skimmed yoghurt, yoghurt drink, low fat custard, low fat fruit

use), milk substitutes like soymilk. Cheese /products | All kinds of cheese and cheese products. *E.g.:20+ cheese, 30+* cheese, Edam, Brie 50+, 48+ Gouda cheese, blue cheese, gorgonzola, gruyere, soft herb cheese.

BASIC PRODUCT GROUPS V

Oils, fats and fat containing spreads	All fats and oils used as spreads on bread and/or the preparation of food. E.g.: oil (all types), low-fat margarine, margarine, butter, oil/fat products for roasting and frying (solid or liquid).
Main course	All ready-to-cook meals intended to be eaten as a main dish during lunch or dinner. E.g.: meals for steaming, ready-to-cook meals, pizza, deep-frozen meals
Sandwiches/ro Ils	All ready-to-eat filled sandwiches/rolls

NON BASIC PRODUCT GROUP NON-BASIC PRODUCT GROUPS I Soups All kinds of soups and broths. *E.g.: tinned soup, deep-frozen soup, soup in stand-up pouches, soup served by the catering industry.*

Meal sauces

All sauces that constitute a substantial component of the meal

(portion size > 35 g). E.g.: pasta sauce, béchamel sauce, vegetable

sauce, meat sauce, fish sauce, cheese sauce, mustard sauce, gravy.

Other sauces
(non-water
basis)

All sauces that constitute only a minor component of the meal
(portion size < 35 g) without added emulsifying agent AND have a
fat content < 10% w/w. E.g.: ketchup, soy sauce, chocolate sauce,
fruit sauce, barbecue sauce.

Other sauces
(emulsions)
(portion size < 35 g) to which an emulsifying agent is added OR
have a fat content ≥ 10% w/w. *E.g.: mayonnaise, salad dressing, dip*sauce, marinade, mustard, vinaigrette.

Snacks (pastry, All kinds of sweet, savoury, and sweet baked products intended to

be eaten as a small snack between meals or as a minor component of a meal. *E.g.:* • *Savoury products: potato crisps, popcorn.*snacks
• *Sweet products: sweets, all types of chocolate, candy bars.*• *Sweet baked products: biscuits, cookies, all types of cake and pastries. Ice cream: ice cream, yoghurt ice, sorbet i milkshake.*

NON BASIC PRODUCT GROUP NON-BASIC PRODUCT GROUPS II

Beverages	Liquid food products that are normally consumed from a
	cup, mug or glass (incl. products packed in portions in
	packaging, bottles, etc.), with the exception of plain
	water, dairy products and fruit juices. <i>E.g.: coffee, tea,</i>
	(light) soft drinks, fruit drinks.

All kinds of food product that are meant to be put on bread or toast and not fall under earlier mentioned product groups. *E.g.: jam, peanut butter, tuna salad, hummus, tahini.*

All other products that do not fall within any of the above mentioned groups. *E.g.: baking product, seasonings, vinegar.*

Objectives:

- •Determine a baseline on the nature and extent to which commercial food processors are reformulating food products to reduce their sodium content or are formulating new product lines with low/no sodium.
- To identify the leaders in (re)formulation.

Target group:

Food processing industry



Questionnaire piloting

Food industry participants at the Partners
 Forum

- 1.For each food product category identified in 1 above, describe the plan to reduce sodium content
 - a.Does not exist
 - i.Describe the issues/barriers
 - b.ls under development
 - c.ls developed and will be implemented within
 - i.the next 6 months
 - ii.the next 12 months
 - iii.the next 24 months
 - d.ls implemented and active

Where a sodium reduction plan exists for a food category, the goal is to

Reduce the salt/sodium content of all products in the category

Produce a line of "lower" salt/sodium" or "reduced" salt/sodium products

Produce a line of "low" salt/sodium products
Produce a line of "salt-free" or "sodium-free" products

For each sodium reduction plan described in 3 above, indicate

The gradual percentage reduction in sodium that is planned and over what period of time The ultimate target for sodium content intended in the plan in terms of mg Na/1 Kcalorie

- 1) For the food products in each category in 1 above, the sodium content of the same brand products available in different national markets is
- a) Equivalent across markets in different countries
- b)Different across markets in different countries
- 2) Commitments to national public health or food regulatory bodies to lower the sodium content of food products
 - a. Have not been made
 - b.Have been made to the UK Food Standards Agency
 - c.Have been made to other national public health or food regulatory bodies (identify all) ____

C PARTNERSHIP POTENTIAL

In aid of population-wide dietary salt reduction, on what projects is the organization willing to become a partner with government?

Population level sodium intake studies

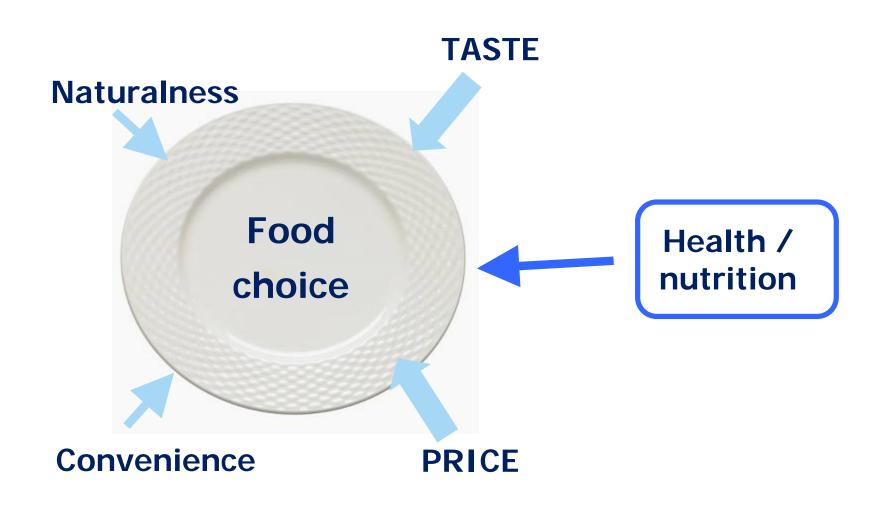
Consumer research

Consumer awareness raising campaigns

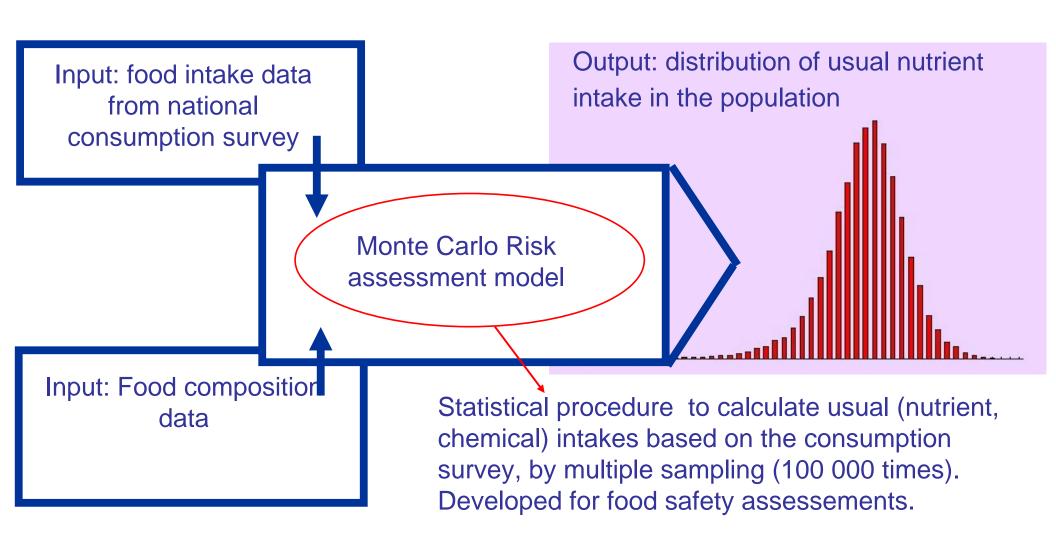
Other (specify)

None of the above

Determinants of food choice

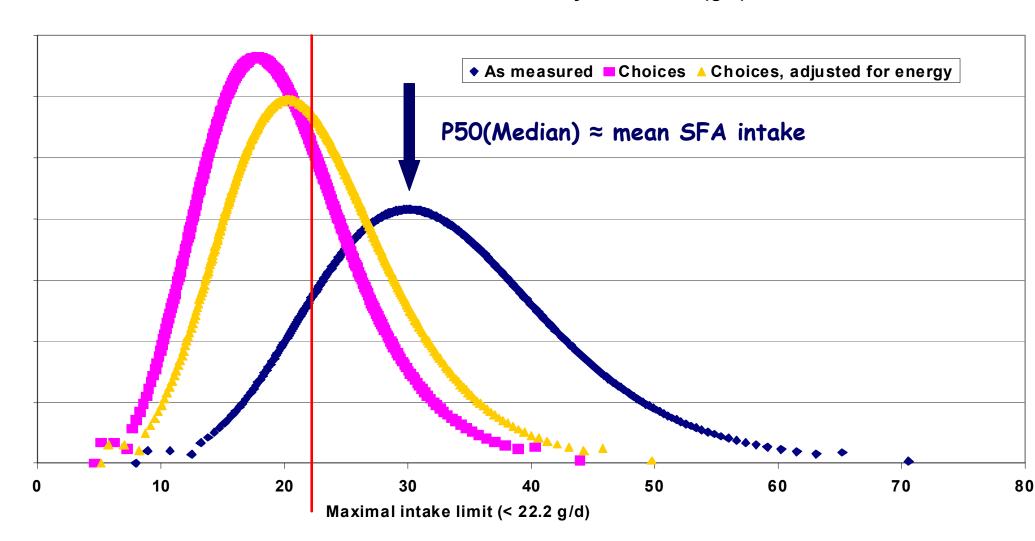


Method

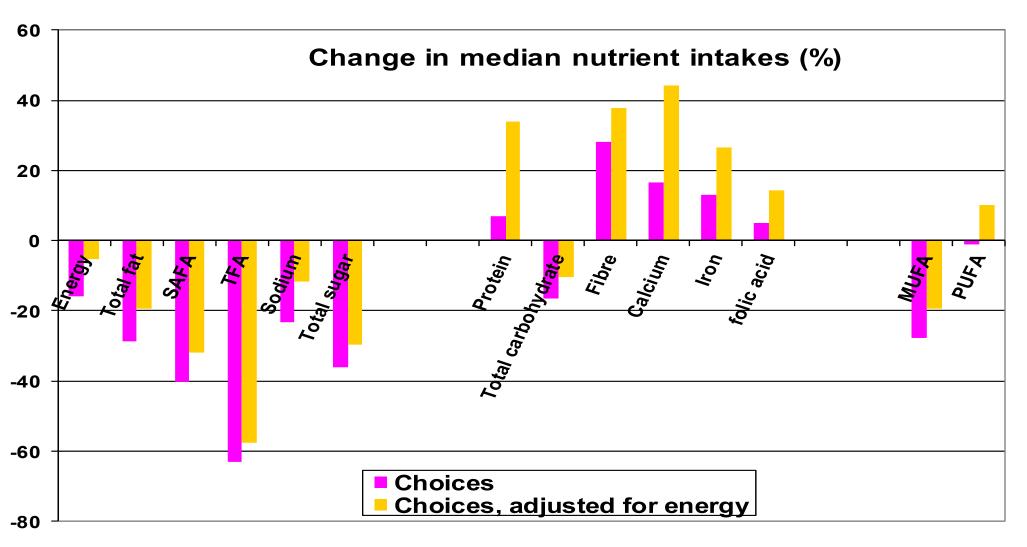


Saturated fatty acids: intake data

Distributions of saturated fatty acid intake (g/d)



% Change in median nutrient intakes



- Energy intakes reduce (15%)
- Intakes of nutrients with maximal intake limits reduce
- Intakes of nutrients with minimal intake limits increase except for MUFA, PUFA

Product reformulation & innovation

N = 47 companies (response 39.5%)

Newly developed, reformulated or already complying 821 products

SAFA

TFA

Added sugar

Sodium

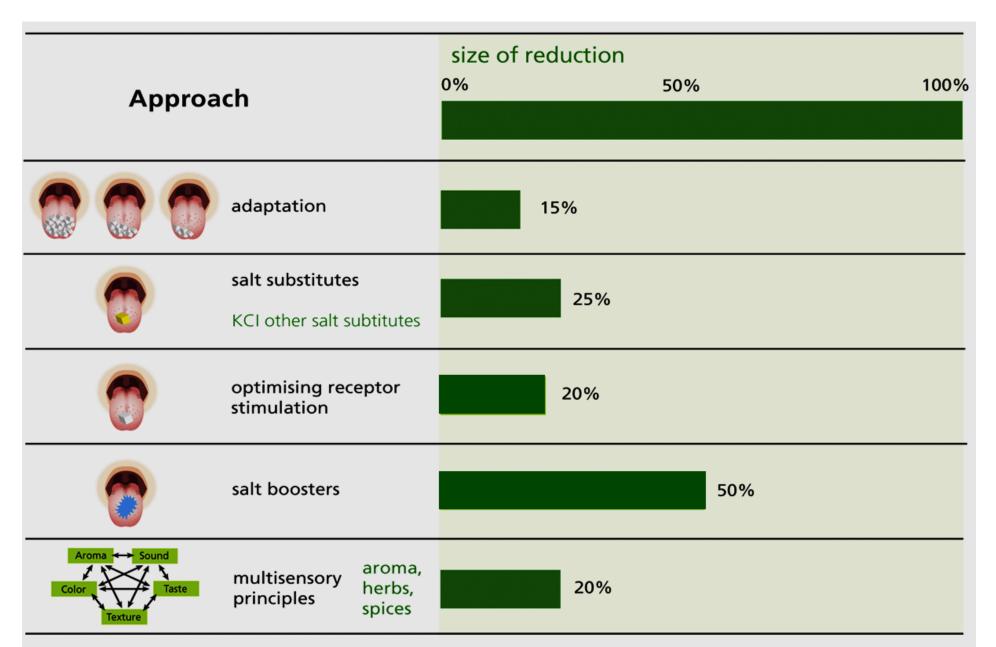
Fiber

Energy

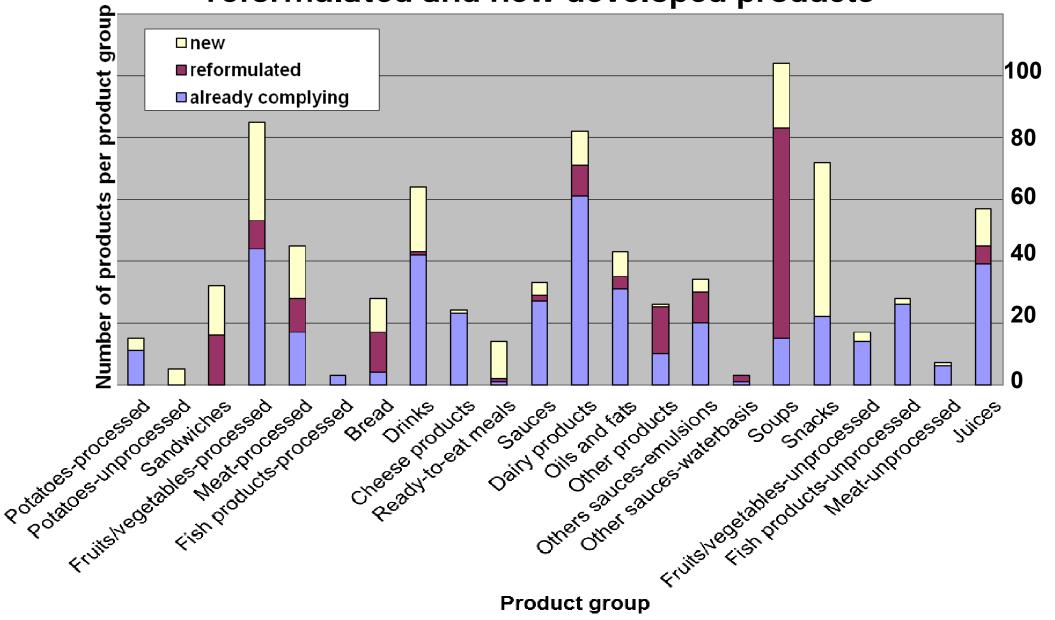


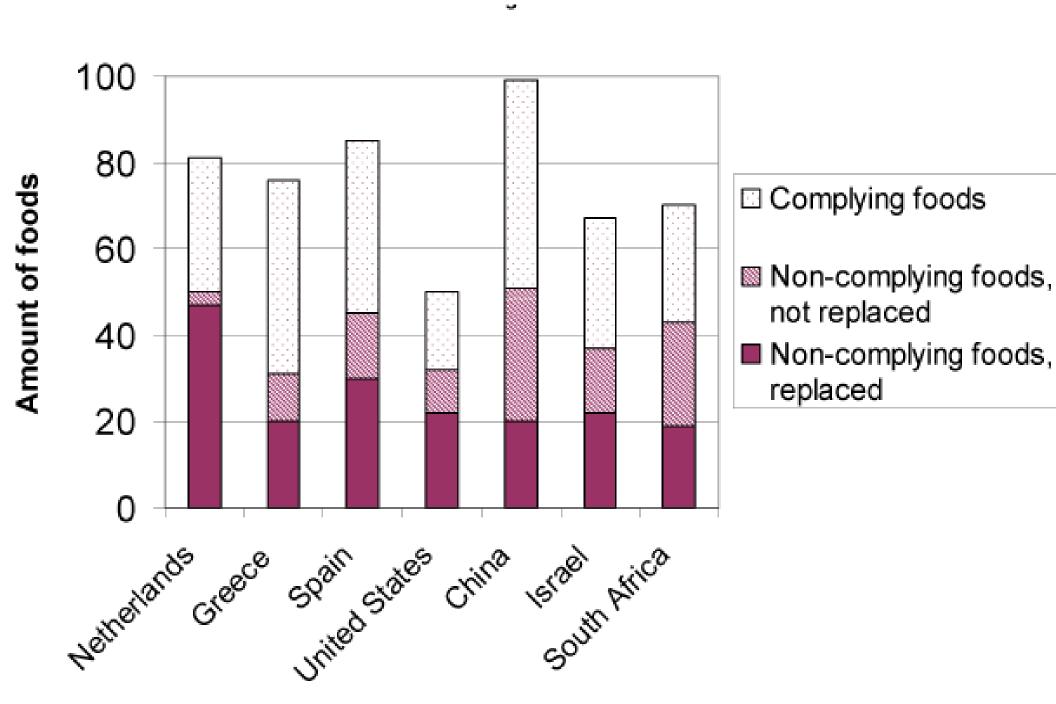


How can we lower sodium?

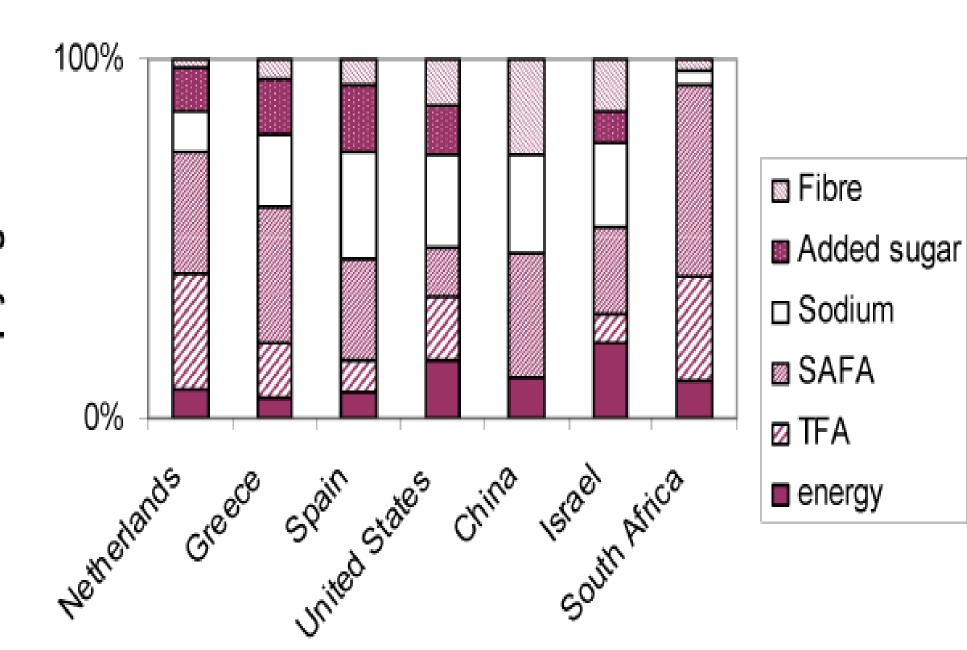


Products per food category: already complying, reformulated and new developed products





Relative importance of non-complying nutrients









PEPSICO The Coa Cola Company



13 May 2008

Her Excellency
Dr. Margaret Chan
Director General
World Health Organization
20 Avenue Appia
Geneva, Switzerland

Dear Dr. Chan:

RE: A Global Commitment to Action on the Global Strategy on Diet, Physical Activity and Health

As the CEOs of major international food and non-alcoholic beverage companies, we would like to take this opportunity ahead of the World Health Assembly in May to set out our global commitment to further action in support of continuing efforts to implement the 2004 WHO Global Strategy on Diet, Physical Activity and Health.

We fully recognise that experts agree that significant increases in non-communicable disease (such as cardiovascular disease, hypertension and diabetes) are directly linked to increasing prevalence of obesity resulting from a number of factors including poor diets, less physical activity and changes in lifestyle in both developed and developing countries around the world.

The WHO Strategy acknowledges that efforts to help people improve their diet and health requactions by all stakeholders – including the private sector. As companies, we take this responsibility seriously and have already taken concrete steps to:

- Reformulate our existing products and develop innovations that offer healthier options our consumers;
- Provide our consumers with more and clearer information about the nutritional composition of their foods and beverages;
- Adopt voluntary measures on the marketing and advertising of food and beverages, particularly to children; and
- Promote greater physical activity, sports and healthier lifestyles, including in the workplace.

We look forward to meeting with you and our team in the coming months to inform you in greater detail of the progress we are making and to solicit your views.

Yours sincerely,

David Mackay President and Chief Executive Officer Kellogg Company

Paul Bulcke Chief Executive Officer Nestlé S.A.

Patrick Cescau **Group Chief Executive** Unilever

Dron B. Rosen Reul S. Michaels

Irene Rosenfeld Chairman and Chief Executive Officer Kraft Foods Inc.

Indra Nocyi Chairman and Chief Executive Officer PepsiCo, Inc.

Paul Michaels President Mars Incorporated

Mr. Muhtar Kent President & Chief Operating Officer The Coca-Cola Company Cada porción de 1 vaso (200 ml) contiene:

% de la Recomendación Diaria para un Adulto

Un adulto puede consumir al día un máximo de:

Calorías Azúcares Grasa Grasa sat. Sodio 2000 90g 55g 22g 2,4g

Valores referenciales promedios de las marcas más representativas de este producto.



