Turn and look for healthier food choices

Want to Learn More?

Check out the following websites: Centre for Food Safety

www.cfs.gov.hk

Central Health Education Unit, Department of Health

www.cheu.gov.hk/eng/info/

otherdiseases.htm

Adoserlookat Nutrition Labelling

HEART DISEASES





HEART DISEASES

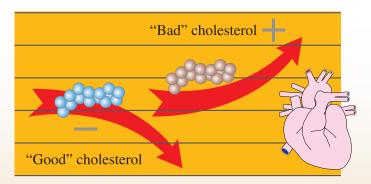


Heart diseases have been one of the top killers in Hong
Kong. According to the Department of
Health, 16 in 100 deaths were caused by
heart diseases in 2007. Maintaining healthy
body weight, normal blood pressure and blood
cholesterol level are important in managing heart
diseases. To achieve these goals, people with heart
diseases should always adopt the "3 Low, 1 High"
healthy eating principle, that is low fat,
low sodium (or salt), low sugars and
high fibre. Among the "3 Low" nutrients,
reduction in fat intake is particularly
noteworthy.

FATS AND HEART DISEASES

There are two major types of cholesterol in our body, the Low Density Lipoprotein (LDL) cholesterol (also known as "bad" cholesterol) and High Density Lipoprotein (HDL) cholesterol (also known as "good" cholesterol). High "bad" cholesterol and/or low "good" cholesterol in blood contribute to the development of heart diseases.

Both saturated fat and trans fat raise the "bad" cholesterol level in blood. In addition, trans fat also lowers the level of "good" cholesterol in blood.



On the other hand, monounsaturated fat and polyunsaturated fat do not raise the "bad" cholesterol level and are considered beneficial to heart health if taken in moderate amount. Monounsaturated fat and polyunsaturated fat, like other kinds of fat, are concentrated sources of energy (1 g of fat provides 9 kcal). Eating too much of these fats may also lead to excessive energy intake which, in turn, increases the risk of overweight and obesity.



Based on a 2000-kcal diet, the total fat intake should be limited to **60 g per day** (1 tablespoon of oil provides 14 g of fat) of which not more than 20 g and 2.2 g should come from saturated fat and trans fat respectively.

DIETARY MANAGEMENT OF HEART DISEASES

To maintain a healthy heart, people with heart diseases should consume diet lower in fat especially saturated fat and trans fat. They are advised to choose food with lower combined amount of saturated fat and trans fat as well as replacing these fats with an appropriate amount of healthier alternatives such as monounsaturated fat and polyunsaturated fat. Dietary modifications including increasing dietary fibre intake and limiting dietary cholesterol intake are suggested as well.

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USE OF NUTRITION LABELLING

rom 1st July 2010, nutrition labels on prepackaged food will provide the content information of energy, protein, carbohydrates, total fat, saturated fat, trans fat, sodium and sugars. When reading

nutrition labels, attention should be paid to the serving size and the actual amount of food to be consumed. If one eats twice the serving size, the energy and nutrient content will be doubled accordingly.

Nutrition claims on a package are always eye-catching, in particular claims on saturated fat, trans fat and cholesterol for people with heart diseases. Since different types of fat have different effects on heart health, requirements on these claims under the Nutrition Labelling Scheme are inter-related. For example, products with claims on any types of fat, including total fat, saturated fat and trans fat, must also present its cholesterol content in the nutrition label. Products carrying claim on cholesterol must fulfill requirements not only on cholesterol, but also on saturated fat and trans fat.

Nutrition Information営養資料		
	Nutrition in e	Per Package/ 每包裝
_	/ 化 量 122kcal/ 千一	F(512kJ/ 千焦)
	ergy/ RESE	5.4g/ 克
	otein/ 蛋白質	1.9g/ 克
То	tal fat/ 總脂肪	1.3g/ 克
	- Saturated fat/ 飽和脂肪	0g/ 克
	Trans fat/ 反式脂肪	9mg/毫克
	cholesterol/ 膽固醇	20.8g/ 克
C	Carbohydrates/ 碳水化合物	13.4g/ 克
	- Sugars/ 糖	63mg/ 毫克
5	Sodium/ 鈉	Comg



Table 1: Specific Conditions for Nutrient Content Claims in Relation to Different Types of Fat and Cholesterol

Claims	Specific conditions	
Total fat	Per 100 g of solid food	Per 100 mL of liquid food
Low fat	• Containing not more than 3 g of fat	• Containing not more than 1.5 g of fat
Fat free	• Containing not more than 0.5 g of fat	 Containing not more than 0.5 g of fat
Saturated fat	Solid food	Liquid food
Low saturated fat	(1) Sum of saturated fat and trans fat is not more than 1.5 g per 100 g of food and(2) Sum of saturated fat and trans fat contributes not more than 10% of energy	 (1) Sum of saturated fat and trans fat is not more than 0.75 g per 100 mL of food and (2) Sum of saturated fat and trans fat contributes not more than 10% of energy

Claims	Specific conditions		
Saturated fat	Per 100 g of solid food	Per 100 mL of liquid food	
Saturated fat free	• Sum of saturated fat and trans fat is not more than 0.1 g	 Sum of saturated fat and trans fat is not more than 0.1 g 	
Trans fat	Solid food	Liquid food	
Trans fat free	(1) Containing not more than 0.3 g of trans fat per 100 g of food and	(1) Containing not more than 0.3 g of trans fat per 100 mL of food and	
	(2) Sum of saturated fat and trans fat is not more than 1.5 g per 100 g of food and	(2) Sum of saturated fat and trans fat is not more than 0.75 g per 100 mL of food and	
	(3) Sum of saturated fat and trans fat contributes not more than 10% of energy	(3) Sum of saturated fat and trans fat contributes not more than 10% of energy	
Cholesterol	Solid food	Liquid food	
Low cholesterol	(1) Containing not more than 20 mg of cholesterol per 100 g of food and	(1) Containing not more than 10 mg of cholesterol per 100 mL of food and	
	(2) Sum of saturated fat and	(2) Sum of saturated fat and	
	trans fat is not more than 1.5 g per 100 g of food and	trans fat is not more than 0.75 g per 100 mL of food and	
	(3) Sum of saturated fat and trans fat contributes not more than 10% of energy	(3) Sum of saturated fat and trans fat contributes not more than 10% of energy	

Claims	Specific conditions	
Cholesterol	Solid food	Liquid food
Cholesterol free	(1) Containing not more than 5 mg of cholesterol per 100 g of food and(2) Sum of saturated fat and	(1) Containing not more than 5 mg of cholesterol per 100 mL of food and
	trans fat is not more than 1.5 g per 100 g of food and	trans fat is not more than 0.75 g per 100 mL of food and
	(3) Sum of saturated fat and trans fat contributes not more than 10 % of energy	(3) Sum of saturated fat and trans fat contributes not more than 10 % of energy

Nutrition Information營養資料 Per 100g/ 每 100 克 13kcal/ 千卡 (54kJ/ 千焦) Energy/ 能量 0.1g/ 克 Protein/ 蛋白質 0.1g/ 克 Total fat/ 總脂肪 0g/ 克 - Saturated fat/ 飽和脂肪 0g/ 克 - Trans fat/ 反式脂肪 0mg/毫克 Cholesterol/ 膽固醇 2.9g/ 克 Carbohydrates/ 碳水化合物 2.7g/ 克 - Sugars/糖 1310mg/ 毫克 Sodium/ 鈉

Regardless of the types of nutrition claim that may appear on the package, they only give a rough idea about the content of a particular nutrient, one should not make a food choice solely on the basis of a nutrition claim.

Moreover, very often nutrition claims are made for a specific nutrient only. In order to eat

healthily, we should take note of other nutrients as well.

For example, a product with a "fat free" claim may have high sodium content. The best practice is to refer to the nutrition label for detailed information in order to make healthy food choices.

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THREE SIMPLE STEPS TO READ NUTRITION LABEL



TAKE NOTE OF THE REFERENCE **AMOUNT OF FOOD BEING USED** IN THE NUTRITION LABEL

The nutritional content may be expressed in several ways:

per 100 g/mL

per serving

per package

Comparison should be made basing on the same reference amount, e.g. per 100 g versus per 100 g, per 50-gram serving versus per 50-gram serving, but not per 100 g versus per 50-gram serving.

> Nutrition Information營養資料 Per 100g / 每100克 Energy/ 能量 436kcal/ 千卡 (1831kJ/ 千焦), Protein/ 蛋白質 11g/ 克 Total fat/ 總脂肪 16g/ 克, Saturated fat/ 飽和脂肪 7g/ 克, Trans fat/ 反式脂肪 0g/ 克, Carbohydrates/ 碳水化合物 62g/ 克, Sugars/糖 2g/克, Sodium/鈉 730mg/毫克

Nutrition Information營養資料 Servings Per Package/ 每包裝所含食用分量數目: 1 Serving Size/ 食用分量: 236mL / 236毫升 Per Package/ 每包裝
- Sugars/ 糖 11.3g/ 克 Sodium/ 鈉 130mg/ 毫克
١.



READ AND COMPARE THE **NUTRITIONAL CONTENT**

Based on the same reference amount of food, comparison can be made among the content of saturated fat, trans fat and sodium of various products. Then choose the one that is lower in combined amount of saturated fat and trans fat as well as lower in sodium. Furthermore, a product with less energy, total fat and sugars would be preferred in case weight maintenance is also an issue.

Question 1: Which is a better choice?



Milk Beverage A:

Nutrition Information營養資料		
Servings Per Package/ 每包裝所含食用分量數目: 1 Serving Size/ 食用分量: 236mL / 236毫升		
Р	er Package/ 每包裝	
Energy/ 能量 1	56kcal/ 千卡	
Protein/蛋白質	7.8g/ 克	
Total fat/ 總脂肪 - Saturated fat/ 飽和脂肪 - Trans fat/ 反式脂肪	9.0g/ 克 5.9g/ 克 0.2g/ 克	
Carbohydrates/ 碳水化合物 - Sugars/ 糖	11g/ 克 11g/ 克	
- Sugars/ 橋 Sodium/ 鈉	97mg/ 毫克	

Combined amount of saturated fat and trans fat = 6.1 g (5.9 g + 0.2 g)

Milk Beverage B:

	Nutrition Information	營養資料	
	Servings Per Package/ 每包装所含食用分量數目. 1 Serving Size/ 食用分量. 236mL / 236毫升		
	-	Per Package/ 每包裝	
İ	Energy/ 能量	84kcal/ 千卡	
1	Protein/蛋白質	8.5g/ 克	
	Total fat/ 總脂肪 - Saturated fat/ 飽和脂肪 - Trans fat/ 反式脂肪	0.2g/ 克 0.2g/ 克 0g/ 克	
	Carbohydrates/ 碳水化合物	12g/ 克	
	- Sugars/ 糖	12g/ 克	
	Sodium/ 鈉	104mg/ 毫克	

Combined amount of saturated fat and trans fat = 0.2 g (0.2 g+0 g)

Answer 1:

Milk Beverage B is a better choice as it has much less combined amount of saturated fat and trans fat, energy and total fat in each package (i.e. 236 mL).

Question 2: Which is a better choice?

Corn Flakes C:



Corn Flakes D:

玉米片

Cornflake

Nutrition Information營養資料		
Per 100g/ 每100克		
Energy/ 能量	400kcal/ 千卡	
Protein/ 蛋白質	5.3g/ 克	
Total fat/ 總脂肪	0.5g/ 克	
- Saturated fat/ 飽和脂	肪 0.1g/ 克	
- Trans fat/ 反式脂肪	0g/ 克	
Carbohydrates/ 碳水化合	物 93.7g/ 克	
- Sugars/ 糖	42g/ 克	
Sodium/ 鈉	1100mg/ 毫克	

Answer 2:

Corn Flakes C and D have the same combined amount of saturated fat and trans fat and comparable amount of energy and total fat. Corn Flakes C is a better choice as it has less sodium and much less sugars in each 100 g.



REFER TO THE PERCENTAGE **NUTRIENT REFERENCE VALUE** (%NRV) (IF AVAILABLE)

%NRV is a relative expression of the nutritional content. It tells you whether there is a lot or a little of a nutrient in the stated amount of food on a scale from 0% to 100%. A high percentage means the food contains a lot of a nutrient whereas a low percentage means it contains just a little. In case the %NRV of energy or those nutrients that should be consumed less (e.g. saturated fat, trans fat, sodium, total fat or sugars) is at the high-end, think twice before making the purchase of that particular food product as it is very likely that the food may contribute a great proportion of your daily allowances of these nutrients.

%NRV may come in different terms in nutrition labels. For example, in Hong Kong, a set of NRV is adopted and the energy and nutrient values may be presented as %Chinese NRV. %Daily Value (%DV) or %Daily Intake (%DI) may be used in other places, and their values may be different from those adopted in Hong Kong.

Question 3: Which is a better choice?

Soup E:





Soup F:

Answer 3:

Soup F is a better choice as it has much less saturated fat and total fat, less energy and sodium in each serving (i.e. 200 g).

Nutrition Information營養資料			
Servings Per Package/ 每包装所含食用分量數目: 2 Serving Size/ 食用分量: 200g / 200克			
	Per Serving/ %	Chinese NRV Per Serving/	L
	每食用分量	每食用分量的 中國營養素 參考值百分比	
Energy/ 能量	78kcal/千卡	4%	•
Protein/ 蛋白質	3.0g/克	5%	
Total fat/ 總脂肪 - Saturated fat/ 飽和脂肪 Trans fat/ 反式脂肪	1.4g/克 0g/克 0g/克	2% 0%	•
Carbohydrates/ 碳水化合物 - Sugars/ 糖	13.4g/克 3.3g/克	4%	
Sodium/ 鈉	620mg/毫克	31%	•

10 11 THIS PAMPHLET IS PREPARED BY THE TASK FORCE ON NUTRITION LABELLING EDUCATION COMPRISING MEMBERS FROM:

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- The Hong Kong Medical Association

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