Claims

[Claim 1]

A complete nutritious food product-providing system comprising:

an information acquisition unit configured to acquire information on user attributes;

a user information storage unit configured to store the information on user attributes;

a Dietary Reference Intake (DRI)-storing unit configured to store DRIs of a complete nutritious food product in which intake standards for first and second nutrients are set for each user attribute; and

a nutrition calculation unit configured to calculate the intake standard for the first nutrient in a standard food forming the complete nutritious food product, so that the standard food can satisfy the intake standard for the first nutrient of all users, wherein

the first nutrient is at least one of vitamins and minerals, and

in the case where a tolerable upper intake level (UL) of the first nutrient is set in the DRIs, a normalized nutrient amount in each category to which the user belongs is calculated by the following formula:

Normalized nutrient amount = UL of first nutrient × (energy amount of standard food/EER in each category), and the smallest normalized nutrient amount is set as the upper limit of the first nutrient intake in the standard food.

[Claim 2]

A complete nutritious food product-providing system comprising:

an information acquisition unit configured to acquire information on user attributes;

a user information storage unit configured to store the information on user attributes;

a Dietary Reference Intake (DRI)-storing unit configured to store DRIs of a complete nutritious food product in which intake standards for first and second nutrients are set for each user attribute; and

a nutrition calculation unit configured to calculate the intake standard for the first nutrient in a standard food forming the complete nutritious food product, so that the standard food can satisfy the intake standard for the first nutrient of all users, wherein

the first nutrient is at least one of vitamins and minerals, and

in the case where an adequate intake (AI) or a recommended dietary allowance (RDA) of the first nutrient is set in the DRIs, the maximum value of the AI or the RDA of the first nutrient in each category of the DRIs is set as the lower limit of the first nutrient intake in the standard food.

[Claim ~~2~~3]

The complete nutritious food product-providing system according to claim 1 or claim 2, wherein

the range of the intake standard for the first nutrient in the standard food is narrower than the range of the DRI for the first nutrient in the complete nutritious food product.

~~[Claim 3]~~

~~The complete nutritious food product-providing system according to claim 1 or 2, wherein~~

~~the first nutrient is vitamins and/or minerals.~~

[Claim 4]

The complete nutritious food product-providing system according to any one of claims 1 to 3, wherein

the second nutrient is at least one of protein, lipid, and~~/or~~ carbohydrate.

[Claim 5]

The complete nutritious food product-providing system according to any one of claims 1 to 4, wherein

the complete nutritious food product is prepared by adjusting the amount of the standard food,

the energy amount of the complete nutritious food product is the estimated energy requirement (EER) in the category of the DRIs to which each user belongs, and the energy amount of the standard food is the EER in the category with the lowest EER among the categories of DRIs to which all users belong.

[Claim 6]

The complete nutritious food product-providing system according to any one of claims 1 to 5, wherein

the ratio of the amount of the complete nutritious food product to the amount of the standard food is equal to the ratio of the energy amount of the complete nutritious food product to the energy amount of the standard food.

~~[Claim 7]~~

~~The complete nutritious food product-providing system according to any one of claims 3 to 6, wherein~~

~~in the case where a tolerable upper intake level (UL) of the first nutrient is set in the DRIs, a normalized nutrient amount in each category to which the user belongs is calculated by the following formula:~~

~~Normalized nutrient amount = UL of first nutrient × (energy amount of standard food/EER in each category), and the smallest normalized nutrient amount is set as the upper limit of the first nutrient intake in the standard food.~~

~~[Claim 8]~~

~~The complete nutritious food product-providing system according to any one of claims 3 to 7, wherein~~

~~in the case where an adequate intake (AI) or a recommended dietary allowance (RDA) of the first nutrient is set in the DRIs, the maximum value of the AI or the RDA of the first nutrient in each category of the DRIs is set as the lower limit of the first nutrient intake in the standard food.~~

[Claim ~~9~~7]

The complete nutritious food product-providing system according to any one of claims 4 to ~~8~~6, wherein

the upper limit of the tentative dietary goal for preventing life-style related diseases (DG) of protein in the category with the lowest EER among the categories of the DRIs to which the users belong is set as the upper limit of protein intake in the standard food, and the RDA with the largest value among the categories to which the users belong is set as the lower limit of protein intake in the standard food that is provided to the users.

[Claim ~~10~~8]

The complete nutritious food product-providing system according to any one of claims 4 to ~~9~~7, wherein

the upper limit of the DG of lipid in the category of standard energy amount with the lowest EER among the categories of the DRIs to which the users belong is set as the upper limit of lipid intake in the standard food, and the lower limit of the DG of lipid for the users belonging to the category of the "standard energy amount" is set as the lower limit of lipid intake in the standard food.

[Claim ~~11~~9]

The complete nutritious food product-providing system according to any one of claims 4 to ~~10~~8, wherein

the upper limit of the DG of carbohydrate in the category of standard energy amount with the lowest EER among the categories of the DRIs to which the users belong is set as the upper limit of carbohydrate intake in the standard food, and the lower limit of the DG of carbohydrate for the users belonging to the category of the standard energy amount is set as the lower limit of carbohydrate intake in the standard food.

[Claim ~~12~~10]

The complete nutritious food product-providing system according to any one of claims 1 to ~~11~~9, wherein

the information on user attributes includes at least information on gender, age, or physical activity level.

[Claim ~~13~~11]

The complete nutritious food product-providing system according to any one of claims ~~3~~ 1 to ~~12~~10, wherein

the vitamins include one or more of vitamin A, vitamin D, vitamin E, vitamin K, vitamin B_1, vitamin B_2, niacin, vitamin B_6, vitamin B_{12}, folic acid, pantothenic acid, biotin, and vitamin C, and

the minerals include one or more of sodium, potassium, calcium, magnesium, phosphorus, iron, zinc, copper, manganese, iodine, selenium, chromium, and molybdenum.

[Claim ~~14~~12]

The complete nutritious food product-providing system according to any one of claims 1 to ~~13~~11, wherein

the DRIs of the complete nutritious food product are any of the "Dietary Reference Intakes (DRIs) for Japanese" published by the Ministry of Health, Labour and Welfare of Japan, the "Dietary Reference Intakes (DRIs)" in the US, and the "Dietary Reference Intakes for Chinese" in China.

~~[Claim 15]~~

~~The complete nutritious food product-providing system according to any one of claims 4 to 14, further comprising~~

~~a menu-selecting unit, wherein~~

~~the nutrition calculation unit outputs the energy amount of the standard food, the upper or lower limit of first nutrient intake, and the upper or lower limit of second nutrient intake to the menu-selecting unit.~~

~~[Claim 16]~~

~~A complete nutritious food product nutritionally calculated by the complete nutritious food product-providing system according to any one of claims 1 to 15.~~

~~[Claim 17]~~

~~The complete nutritious food product according to claim 16, wherein~~

~~the complete nutritious food product is composed of any one selected from the group consisting of breakfast, lunch, and supper or a combination of two or three of these.~~

~~[Claim 18]~~

~~The complete nutritious food product according to claim 16, wherein~~

~~the complete nutritious food product is a processed food product, a cooked food product, or a dish cooked based on a specific menu.~~

[Claim ~~19~~13]

A nutrition calculation device for a complete nutritious food product, comprising:

an information acquisition unit configured to acquire information on user attributes;

a user information storage unit configured to store the information on user attributes;

a DRI-storing unit configured to store DRIs of a complete nutritious food product in which intake standards for first and second nutrients are set for each user attribute; and

a nutrition calculation unit configured to calculate the intake standard for the first nutrient, which is satisfied regardless of attributes of each user, in the standard food forming the complete nutritious food product, wherein

the first nutrient is at least one of vitamins and minerals, and

in the case where a tolerable upper intake level (UL) of the first nutrient is set in the DRIs, a normalized nutrient amount in each category to which the user belongs is calculated by the following formula:

Normalized nutrient amount = UL of first nutrient × (energy amount of standard food/EER in each category), and the smallest normalized nutrient amount is set as the upper limit of the first nutrient intake in the standard food.

[Claim 14]

A nutrition calculation program for a complete nutritious food product, comprising:

a step of acquiring information on user attributes;

a step of storing the information on user attributes;

a step of storing DRIs of the complete nutritious food product in which the intake standards for the first and second nutrients are set for each user attribute; and

a step of calculating the intake standard for the first nutrient, which is satisfied regardless of attributes of each user, in the standard food forming the complete nutritious food product, wherein

the first nutrient is at least one of vitamins and minerals, and

in the case where a tolerable upper intake level (UL) of the first nutrient is set in the DRIs, a normalized nutrient amount in each category to which the user belongs is calculated by the following formula:

Normalized nutrient amount = UL of first nutrient × (energy amount of standard food/EER in each category), and the smallest normalized nutrient amount is set as the upper limit of the first nutrient intake in the standard food.

[Claim 15]

A nutrition calculation device for a complete nutritious food product, comprising:

an information acquisition unit configured to acquire information on user attributes;

a user information storage unit configured to store the information on user attributes;

a DRI-storing unit configured to store DRIs of a complete nutritious food product in which intake standards for first and second nutrients are set for each user attribute; and

a nutrition calculation unit configured to calculate the intake standard for the first nutrient, which is satisfied regardless of attributes of each user, in the standard food forming the complete nutritious food product, wherein

the first nutrient is at least one of vitamins and minerals, and

in the case where an adequate intake (AI) or a recommended dietary allowance (RDA) of the first nutrient is set in the DRIs, the maximum value of the AI or the RDA of the first nutrient in each category of the DRIs is set as the lower limit of the first nutrient intake in the standard food.

[Claim 16]

A nutrition calculation program for a complete nutritious food product, comprising:

a step of acquiring information on user attributes;

a step of storing the information on user attributes;

a step of storing DRIs of the complete nutritious food product in which the intake standards for the first and second nutrients are set for each user attribute; and

a step of calculating the intake standard for the first nutrient, which is satisfied regardless of attributes of each user, in the standard food forming the complete nutritious food product, wherein

the first nutrient is at least one of vitamins and minerals, and

in the case where an adequate intake (AI) or a recommended dietary allowance (RDA) of the first nutrient is set in the DRIs, the maximum value of the AI or the RDA of the first nutrient in each category of the DRIs is set as the lower limit of the first nutrient intake in the standard food.