against the risks of various health damages such as described above.

[0008]

The present invention has been made in view of the above circumstances, and aims to provide an index which allows safety levels against health damages to be judged comprehensively.

Solution to Problem

[0009]

An information processing device according to one aspect of the present invention comprises: a registration unit adapted to register test results on food poisoning bacteria testing of a specimen of food served in a facility, test results on the content of agricultural chemicals and antibiotics in the specimen, test results on the radiation dose of the specimen, test results on foreign contamination testing of the specimen, test results on allergen contamination testing of the specimen, test results on norovirus testing of specimens and workers, test results on norovirus testing of specimens and workers, and survey results on the hygiene of workers and the facility that handle the specimen; an impact level determination unit adapted to determine an impact level of a risk of health damage caused by food served in a facility, based on the registered test results and survey results; a frequency determination unit adapted to

determine occurrence frequency of the risk, based on the registered test results and survey results; and a safety level calculation unit adapted to calculate magnitude of the risk using the determined impact level of the risk and occurrence frequency of the risk and calculate a safety level against health damage based on the calculated magnitude of the risk.

[0010]

An information processing method according to one aspect of the present invention comprises the steps of: registering test results on food poisoning bacteria testing of a specimen of food served in a facility, test results on the content of agricultural chemicals and antibiotics in the specimen, test results on the radiation dose of the specimen, test results on foreign contamination testing of the specimen, test results on allergen contamination testing of the specimen, test results on norovirus testing of specimens and workers, test results on norovirus testing of specimens and workers, and survey results on the hygiene of workers and the facility that handle the specimen; determining an impact level of a risk of health damage caused by food served in a facility, based on the registered test results and survey results; determining occurrence frequency of the risk, based on the registered test results and survey results; and calculating magnitude of the risk using the determined

impact level of the risk and occurrence frequency of the risk and calculating a safety level against health damage based on the calculated magnitude of the risk.

[0011]

A program according to one aspect of the present invention causes a computer to: register test results on food poisoning bacteria testing of a specimen of food served in a facility, test results on the content of agricultural chemicals and antibiotics in the specimen, test results on the radiation dose of the specimen, test results on foreign contamination testing of the specimen, test results on allergen contamination testing of the specimen, test results on norovirus testing of specimens and workers, test results on norovirus testing of specimens and workers, and survey results on the hygiene of workers and the facility that handle the specimen; determine an impact level of a risk of health damage caused by food served in a facility, based on the registered test results and survey results; determine occurrence frequency of the risk, based on the registered test results and survey results; and calculate magnitude of the risk using the determined impact level of the risk and occurrence frequency of the risk and calculate a safety level against health damage based on the calculated magnitude of the risk. The risk caused by the food includes at least a risk of food poisoning bacteria, a risk of agricultural chemicals and antibiotics, a risk

of a radiation dose, a risk of foreign contamination, a risk of allergen contamination, a risk of norovirus, and a risk originating in the facility and a worker of the facility.

[0012]

According to one aspect of the present invention, an impact level of a risk of health damage is determined; occurrence frequency of the risk is determined; and magnitude of the risk is calculated using the determined impact level of the risk and occurrence frequency of the risk and a safety level against health damage is calculated based on the calculated magnitude of the risk.

Advantageous Effect of Invention

[0013]

One aspect of the present invention provides an index which allows safety levels against health damages to be judged comprehensively.

Claims

[Claim 1]

An information processing device comprising:

an impact level determination unit adapted to determine an impact level of a risk of health damage;

a frequency determination unit adapted to determine occurrence frequency of the risk; and

a safety level calculation unit adapted to calculate magnitude of the risk using the determined impact level of the risk and occurrence frequency of the risk and calculate a safety level against health damage based on the calculated magnitude of the risk.

[Claim 2]

The information processing device according to claim 1, wherein the safety level calculation unit calculates the safety level against health damage using an inverse of the calculated magnitude of risk.

[Claim 3]

The information processing device according to claim 1 or 2, further comprising a safety level output unit adapted to output an indication of the safety level using a color corresponding to the safety level calculated by the safety level calculation unit.

[Claim 4]

The information processing device according to claim 3, wherein a height of the safety level is associated

with a color corresponding to a wavelength a visible light, and the safety level output unit outputs the indication of the safety level using the color corresponding to the wavelength of the visible light according to the calculated safety level.

[Claim 5]

The information processing device according to any one of claims 1 to 3, wherein the impact level determination unit determines the impact level of the risk of health damage on a scale of n.

[Claim 6]

An information processing method comprising the steps of:

determining an impact level of a risk of health damage;

determining occurrence frequency of the risk; and

calculating magnitude of the risk using the determined impact level of the risk and occurrence frequency of the risk and calculating a safety level against health damage based on the calculated magnitude of the risk.

[Claim 7]

A program configured to cause a computer to:

determine an impact level of a risk of health damage;

determine occurrence frequency of the risk; and

calculate magnitude of the risk using the determined impact level of the risk and occurrence frequency of the risk and calculate a safety level against health damage based on the calculated magnitude of the risk.

Claims

[Claim 1]

An information processing device comprising:

a registration unit adapted to register test results on food poisoning bacteria testing of a specimen of food served in a facility, test results on the content of agricultural chemicals and antibiotics in the specimen, test results on the radiation dose of the specimen, test results on foreign contamination testing of the specimen, test results on allergen contamination testing of the specimen, test results on norovirus testing of specimens and workers, test results on norovirus testing of specimens and workers, and survey results on the hygiene of workers and the facility that handle the specimen;

an impact level determination unit adapted to determine an impact level of a risk of health damage caused by food served in a facility, based on the registered test results and survey results;

a frequency determination unit adapted to determine occurrence frequency of the risk, based on the registered test results and survey results; and

a safety level calculation unit adapted to calculate magnitude of the risk using the determined impact level of the risk and occurrence frequency of the risk and calculate a safety level against health damage based on the calculated magnitude of the risk.

[Claim 2]

The information processing device according to claim 1, wherein the safety level calculation unit calculates the safety level against health damage using an inverse of the calculated magnitude of risk.

[Claim 3]

The information processing device according to claim 1 or 2, further comprising a safety level output unit adapted to output an indication of the safety level using a color corresponding to the safety level calculated by the safety level calculation unit.

[Claim 4]

The information processing device according to claim 3, wherein a height of the safety level is associated with a color corresponding to a wavelength a visible light, and the safety level output unit outputs the indication of the safety level using the color corresponding to the wavelength of the visible light according to the calculated safety level.

[Claim 5]

The information processing device according to any one of claims 1 to 3, wherein the impact level determination unit determines the impact level of the risk of health damage on a scale of n.

[Claim 6]

An information processing method comprising the steps of:

registering test results on food poisoning bacteria testing of a specimen of food served in a facility, test results on the content of agricultural chemicals and antibiotics in the specimen, test results on the radiation dose of the specimen, test results on foreign contamination testing of the specimen, test results on allergen contamination testing of the specimen, test results on norovirus testing of specimens and workers, test results on norovirus testing of specimens and workers, and survey results on the hygiene of workers and the facility that handle the specimen;

determining an impact level of a risk of health damage caused by food served in a facility, based on the registered test results and survey results;

determining occurrence frequency of the risk, based on the registered test results and survey results; and

calculating magnitude of the risk using the determined impact level of the risk and occurrence frequency of the risk and calculating a safety level against health damage based on the calculated magnitude of the risk.

[Claim 7]

A program configured to cause a computer to:

register test results on food poisoning bacteria testing of a specimen of food served in a facility, test results on the content of agricultural chemicals and antibiotics in the specimen, test results on the radiation dose of the specimen, test results on foreign contamination testing of the specimen, test results on allergen contamination testing of the specimen, test results on norovirus testing of specimens and workers, test results on norovirus testing of specimens and workers, and survey results on the hygiene of workers and the facility that handle the specimen;

determine an impact level of a risk of health damage caused by food served in a facility, based on the registered test results and survey results;

determine occurrence frequency of the risk, based on the registered test results and survey results; and

calculate magnitude of the risk using the determined impact level of the risk and occurrence frequency of the risk and calculate a safety level against health damage based on the calculated magnitude of the risk;

wherein the risk caused by the food includes at least a risk of food poisoning bacteria, a risk of agricultural chemicals and antibiotics, a risk of a radiation dose, a risk of foreign contamination, a risk of allergen contamination, a risk of norovirus, and a risk originating in the facility and a worker of the facility.