CLAIMS

1. A method for calculating dosage form composition information by an electronic device, the method comprising the steps of:

obtaining first current condition information for a user at a first time point in a first period;

calculating first dosage form composition information by reflecting the first current condition information in base dose information of the user for a plurality of nutritional components;

obtaining second current condition information for the user at a second time point in a second period; and

calculating second dosage form composition information by reflecting the second current condition information in the base dose information, wherein

the base dose information has a dose value personalized for the user for the plurality of nutritional components, and

in the step of calculating the second dosage form composition information, the second dosage form composition information is calculated by reflecting the second current condition information to the dose value of the base dose information, and

the second time point is a point in time after the first time point, and

the base dose information is determined based on at least personal health information, and

the first or second current condition information includes information about at least one of a mental health condition or symptom of the user, a physical health condition or symptom of the user, a mood or behavior of the user, and

biometric information of the user,

the dose value of the base dose information is determined before the first time point, and after the first time point, the process of recalculating the dose value of the base dose information is omitted, such that the dose value of the base dose information determined prior to the first time point is repeatedly used to calculate the dosage form composition information.

2. The method according to claim 1, wherein

the personal health information includes at least one of identification information, medical examination-by-interview result information, or medical information for the user.

3. The method according to claim 1 or 2, further comprising:

a step of obtaining dose information for each nutritional component before the first time point to calculate the base dose information.

4. The method according to any one of claims 1-3, wherein

the first or second current condition information is collected from at least one of a device for dispensing dosage forms for the plurality of nutritional components, a user terminal of the user, or an external device for collecting the biometric information of the user.

5. The method according to any one of claims 1-4, further comprising the steps of:

after the step of obtaining the first current condition information, calculating first change amount information about

a first nutritional component related to the first current condition information among the plurality of nutritional components; and

after the step of obtaining the second current condition information, calculating second change information about a second nutritional component related to the second current condition information among the plurality of nutritional components.

6. The method according to claim 5, wherein

in the step of calculating the first dosage form composition information,

for the first nutritional component, a daily serving amount in the first period is calculated by including the first change amount information in base dose information about the first nutritional component, and

for a nutritional component unrelated to the first current condition information among the plurality of nutritional components, base dose information about the nutritional component unrelated to the first current condition information is calculated as the daily serving amount in the first period, and

in the step of calculating the second dosage form composition information,

for the second nutritional component, a daily serving amount in the second period is calculated by including the second change amount information in base dose information about the second nutritional component, and

for a nutritional component unrelated to the second current condition information among the plurality of nutritional components, base dose information about the

nutritional component unrelated to the second current condition information is calculated as the daily serving amount in the second period.

7. An electronic device that calculates dosage form composition information, the electronic device comprising:

a memory; and

a processor, wherein

the processor

obtains first current condition information for a user at a first time point of a first period, calculates first dosage form composition information by reflecting the first current condition information in base dose information about a plurality of nutritional components, obtains second current condition information for the user at a second time point of a second period, and calculates second dosage form composition information by reflecting the second current condition information in the base dose information,

the base dose information has a dose value personalized for the user for the plurality of nutritional components, is calculated before the first time point of the first period, and is stored in the memory, and

when calculating the second dosage form composition information, the processor calculates the second dosage form composition information by reflecting the second current condition information in a dose value of the base dose information, and

the second time point is a point in time after the first time point, and

the base dose information is determined based on at least personal health information, and

the first or second current condition information includes information about at least one of a mental health condition or symptom of the user, a physical health condition or symptom of the user, a mood or behavior of the user, and biometric information of the user,

the dose value of the base dose information is determined before the first time point, and after the first time point, the process of recalculating the dose value of the base dose information is omitted, such that the dose value of the base dose information determined prior to the first time point is repeatedly used to calculate the dosage form composition information.

8. The electronic device according to claim 7, wherein

the first or second current condition information is collected from at least one of a device for dispensing dosage forms for the plurality of nutritional components, a user terminal of the user, or an external device for collecting biometric information of the user.

9. The electronic device according to claim 7 or 8, wherein

after receiving the first current condition information, the processor calculates first change amount information about a first nutritional component related to the first current condition information among the plurality of nutritional components, and

after receiving the second current condition information, the processor calculates second change amount information for a second nutritional component related to the second current condition information among the plurality of nutritional

components.

10. The electronic device according to any one of claims 7-9, wherein

the processor

when calculating the first dosage form composition information,

for a nutritional component unrelated to the first current condition information among the plurality of nutritional components, calculates base dose information about the nutritional component unrelated to the first current condition information as a daily serving amount in the first period and

for the first nutritional component, calculates the daily serving amount of the first period by including the first change amount information in base dose information about the first nutritional component, and

when calculating the second dosage form composition information,

for nutritional components unrelated to the second current condition information among the plurality of nutritional components, calculates base dose information about a nutritional component unrelated to the second current condition information as a daily serving amount in the second period, and

for the second nutritional component, calculates the daily serving amount in the second period by including the second change amount information in base dose information about the second nutritional component.

11. The electronic device according to any one of

claims 7-10, wherein

the processor

when calculating the first dosage form composition information, calculates the first dosage form composition information by converting a daily serving amount in the first period for the plurality of nutritional components into the number of dosage forms to be dispensed from each cartridge, and

when calculating the second dosage form composition information, calculates the second dosage form composition information by converting a daily serving amount in the second period for the plurality of nutritional components into the number of dosage forms to be dispensed from each cartridge.

12. The electronic device according to any one of claims 7-11, wherein

the processor transmits the first or second dosage form composition information to a device dispensing the dosage form.

13. The electronic device according to any one of claims 7-12, wherein

the processor

after the first or second dosage form composition information is transmitted, receives dispensing amount information about the number of dosage forms dispensed from each cartridge of the device from the device, and transmits the dispensing amount information to a user terminal of the user.

14. A dispensing device that dispenses a dosage form comprising:

a memory;

a processor that is connected to the memory and executes instructions stored in the memory;

an input unit that receives information under the control of the processor; and

a dosage form dispensing unit that dispenses a dosage form from a plurality of cartridges storing a plurality of dosage forms for a plurality of nutritional components under the control of the processor, wherein

the processor

obtains first current condition information for a user through the input unit at a first time point of a first period, dispenses the dosage form from the plurality of cartridges through the dosage form dispensing unit according to first dosage form composition information in which the first current condition information is reflected, obtains second current condition information for the user through the input unit at a second time point of a second period, and dispenses the dosage form from the plurality of cartridges through the dosage form dispensing unit according to second dosage form composition information in which the second current condition information is reflected,

each of the first and second dosage form composition information includes information in which base dose information about the plurality of nutritional components and each of the first and second current condition information are reflected together, and

the base dose information has a dose value personalized for the user and is determined before the first time point of the first period, and the second dosage form composition information is calculated by reflecting the second current

condition information in a dose value of the base dose information, and

the second time point is a point in time after the first time point, and

the base dose information is determined based on at least personal health information, and,

the first or second current condition information includes information about at least one of a mental health condition or symptom of the user, a physical health condition or symptom of the user, a mood or behavior of the user, and biometric information of the user,

the dose value of the base dose information is determined before the first time point, and after the first time point, the process of recalculating the dose value of the base dose information is omitted, such that the dose value of the base dose information determined prior to the first time point is repeatedly used to calculate the dosage form composition information.

15. The dispensing device according to claim 14, wherein

the base dose information is calculated based on personal health information including at least one of identification information, medical examination-by-interview result information, or medical information for the user.

16. The dispensing device according to claim 14 or 15, further comprising:

an output unit that outputs information under the control of the processor, wherein

the processor outputs medical examination-by-interview

inquiry information through the output unit before the first time point of the first period, receives answer information from the user through the input unit, and generates medical examination-by-interview result information.

17. The dispensing device according to any one of claims 14-16, further comprising:

a step of obtaining, by the processor, base dose information for each of the plurality of nutritional components before the first time point of the first period to calculate the base dose information.

18. The dispensing device according to any one of claims 14-17, wherein

the processor calculates the first dosage form composition information by reflecting the first current condition information in the base dose information, and calculates the second dosage form composition information by reflecting the second current condition information in the base dose information.

19. The dispensing device according to any one of claims 14-18, wherein

the first current condition information is further collected from a user terminal of the user or an external device that collects biometric information of the user until before the first time point during the first period, and

the second current condition information is further collected from the user terminal of the user or the external device that collects biometric information of the user until before the second time point during the second period.

20. The dispensing device according to any one of claims 14-19, further comprising:

a plurality of dosage form dispensing sensors that detect the dosage form dispensed from each of the plurality of cartridges under the control of the processor; and

a communication unit that transmits and receives information to and from a server under the control of the processor, wherein

the plurality of dosage form dispensing sensors detect a dispensing amount of the dosage form dispensed from each cartridge when the dosage form is dispensed from the plurality of cartridges according to the first or second dosage form composition information to generate dispensing amount information, and

the communication unit transmits the dispensing amount information to the server.

21. A computer program stored in a computer readable storage medium, the computer program

obtains first current condition information for a user at a first time point of a first period,

calculates first dosage form composition information by reflecting the first current condition information in base dose information for a plurality of nutritional components,

obtains second current condition information for the user at a second time point of a second period, and

calculates second dosage form composition information by reflecting the second current condition information in the base dose information,

the base dose information having a dose value

personalized for the user for the plurality of nutritional components and being determined before the first time point of the first period, and

the computer program, when calculating the second dosage form composition information, calculates the second dosage form composition information by reflecting the second current condition information in the dose value of the base dose information, and

the second time point is a point in time after the first time point, and

the base dose information is determined based on at least personal health information, and

the first or second current condition information includes information about at least one of a mental health condition or symptom of the user, a physical health condition or symptom of the user, a mood or behavior of the user, and biometric information of the user,

the dose value of the base dose information is determined before the first time point, and after the first time point, the process of recalculating the dose value of the base dose information is omitted, such that the dose value of the base dose information determined prior to the first time point is repeatedly used to calculate the dosage form composition information.