CLAIMS

1. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information and behavior information being continuously collected, which are health information of each user, that correspond to a plurality of users;

an analysis unit that analyzes the stored health information corresponding to the plurality of users; and

an estimation unit that estimates a future health risk of a predetermined user by using a result of the analysis and the health information of the predetermined user.

2. The health information processing apparatus according to claim 1, wherein the analysis unit derives relevance between a lifestyle and a health risk derived from the genome information, the biological information, and the behavior information by analyzing the health information corresponding to the plurality of users.

3. The health information processing apparatus according to claim 1 or 2, wherein the analysis unit derives relevance between a combination of a type of genome derived from the genome information and a type of lifestyle derived from the biological information and the behavior information and a diseases having a possibility of being caused in the future by analyzing the health information corresponding to the plurality of users.

4. The health information processing apparatus according to claim 3,

wherein the analysis unit acquires a list of diseases causable in the future as a result of the analysis, the list of the diseases being ordered in accordance with a

stronger influence of a genome factor or a lifestyle factor for each combination of a type of genome and a type of lifestyle, and

wherein the estimation unit estimates diseases causable in the future for the predetermined user by referring to the list by using the combination of the type of genome and the type of lifestyle of the predetermined user derived from the health information of the predetermined user.

5. The health information processing apparatus according to any one of claims 1 to 4, wherein, in a case where the future health risk of the predetermined user is estimated, the estimation unit adjusts a result of the estimation in accordance with a health state of the present of the predetermined user, the health state of the present being determined based on the health information of the predetermined user.

6. The health information processing apparatus according to any one of claims 1 to 5,

wherein the accumulation unit increases a scale of the health information corresponding to the plurality of users by newly accumulating the health information,

wherein the analysis unit acquires a result of a new analysis by performing the new analysis in accordance with the increase in the scale of the health information corresponding to the plurality of users, and

wherein the estimation unit estimates the future health risk of the predetermined user by using the result of the analysis that is newly acquired and the health information of the predetermined user.

7. The health information processing apparatus according to any one of claims 1 to 6, wherein the genome information includes at least one of arrangement information of base pairs of about three billion, arrangement information of base pairs of about one million, and a difference from standard genome information.

8. The health information processing apparatus according to any one of claims 1 to 7, wherein the health risk is an outbreak probability of each disease.

9. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information and behavior information being continuously collected, which are health information of each user, that correspond to a plurality of users;

an analysis unit that analyzes the stored health information corresponding to the plurality of users; and

a presentation unit that evaluates the health information of a predetermined user that is stored in the accumulation unit and is analyzed by the analysis unit and present a result of the evaluation to the predetermined user.

10. The health information processing apparatus according to claim 9, wherein the presentation unit calculates points based on at least one of a data amount, kinds, and the number of kinds of the health information collected from each user and present information relating to the calculated points to the user.

11. The health information processing apparatus according to claim 10,

wherein the health information is utilized for an estimation of a future health risk and a secondary use having a purpose different from that of the estimation of the future health risk, and

wherein the presentation unit calculates the points also based on usefulness of the secondary use for which the health information is utilized.

12. The health information processing apparatus according to claim 9, wherein the presentation unit sets a competition relation among the plurality of users transmitting the health information, compare the health information among the users to which the competition relation is set, and present a result of the comparison to each user.

13. A health information display apparatus comprising:

a display unit; and

a display control unit that displays a future health risk of a user, which is estimated based on genome information and biological information and behavior information, which are continuously collected, that are health information of the user on the display unit,

the display control unit displays at least one of a target health state of the user and guidance information used for arriving at the target health state together with the future health risk.

14. The health information display apparatus according to claim 13, wherein, when designation of a time point of the estimation is received from an operator, the display control unit displays the future health risk corresponding to the received time point.

15. The health information display apparatus according to claim 13 or 14, wherein, when a width of a period of the health information of the user that is used for the estimation is received from an operator, the display control unit displays the future health risk corresponding to the received width of the period.

16. The health information display apparatus according to any one of claims 13 to 15, wherein, when a change instruction for changing a lifestyle is received from an operator, the display control unit further displays the future health risk simulated in accordance with the received change instruction.

17. The health information display apparatus according to any one of claims 13 to 16, wherein the display control unit displays names of diseases to be caused in the future for the user as the future health risk.

18. The health information display apparatus according to claim 17, wherein, in a case where the names of diseases are displayed for the user or a related person of the user, the display control unit displays the names using common names.

19. The health information display apparatus according to claim 17, wherein, in a case where the names of the diseases are displayed for the user or a related person of the user, the display control unit does not display the names of some of the diseases.

20. A health information display apparatus comprising:

a display unit; and

a display control unit that displays a future health risk of a user, which is estimated based on genome information and biological information and behavior information, which are continuously collected, that are health information of the user on the display unit,

the display control unit that displays the health information of the user together with the future health risk.

21. The health information display apparatus according to claim 20, wherein the display control unit displays a type of genome derived from the genome information and a type of lifestyle derived from the biological information and the behavior information as the health information of the user.

22. The health information display apparatus according to claim 20 or 21, wherein the display control unit displays names of diseases to be caused in the future for the user as the future health risk.

23. The health information display apparatus according to claim 22, wherein, in a case where the names of the diseases are displayed for a medical worker, the display control unit displays each of the names using at least one of a formal name and an ICD (International Classification of Diseases) code.

24. The health information display apparatus according to any one of claims 20 to 23, wherein the display control unit displays a health risk ranking list of a plurality of users based on a comparison with other users other than the user and, in a case where a predetermined user is

designated for the health risk ranking list, displays the future health risk and the health information of the designated user.

25. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information and behavior information being continuously collected, which are health information of each user, that correspond to a plurality of users;

an analysis unit that derives relevance between a combination of a type of genome derived from genome information and a type of lifestyle derived from biological information and behavior information and a predetermined purpose by receiving an input of the predetermined purpose and analyzing the stored health information corresponding to the plurality of users; and

an output unit that outputs a result of the analysis.

26. The health information processing apparatus according to claim 25,

wherein the analysis unit acquires a classification result acquired by classifying combinations of a type of genome and a type of lifestyle based on the relevance with the predetermined purpose, and

wherein the output unit outputs the classification result as a result of the analysis.

27. The health information processing apparatus according to claim 26, wherein the output unit outputs a real name list of users belonging to a predetermined group acquired as the classification result.

28. The health information processing apparatus according

to claim 27, wherein the output unit, first, outputs the real name list of the users belonging to the predetermined group acquired as the classification result and, second, outputs the health information of some of the users belonging to the predetermined group.

29. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information and behavior information being continuously collected, which are health information of each user, that correspond to a plurality of users; and

an output unit that receives disclosure items of the health information and use permission of the health information for a disclosure destination from the user and outputs the health information according to a content of the received use permission,

the accumulation unit that stores information of the use permission in accompaniment with the health information.

30. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information and behavior information being continuously collected, which are health information of each user, that correspond to a plurality of users;

a comparison unit that compare predetermined biological information with the biological information of each user, which is continuously collected, within a group formed by combining the genome information and attribute information of each user based on the information stored in the accumulation unit; and

an analysis unit that represents a position of a value of the biological information of each user within the group

based on a result of the comparison performed by the comparison unit.

31. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information and behavior information being continuously collected, which are health information of each user, that correspond to a plurality of users;

a comparison unit that integrates, for each group formed by combining the genome information and attribute information of each user, the biological information, which is continuously collected, of each user belonging to the group based on the information stored in the accumulation unit and compares the biological information between the groups; and

an analysis unit that represents a position of a value of the biological information of each group among the groups based on a result of the comparison performed by the comparison unit.

32. The health information processing apparatus according to claim 30 or 31, wherein the analysis unit represents a position in a distribution of values of the biological information as the position.

33. The health information processing apparatus according to any one of claims 30 to 32, wherein the analysis unit represents a position of the value of the biological information using at least one of a ranking and a deviation value derived using the biological information of each user that is continuously collected.

34. The health information processing apparatus according

to any one of claims 30 to 33,

wherein the attribute information includes information of a residential area, age, sex and a race of the user and a health insurance association to which the user belongs, and

wherein the analysis unit forms a group acquired by combining the genome information and the attribute information of each user as the group.

35. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information, which is continuously collected, that are health information of each user and correspond to a plurality of users; and

an analysis unit that derives a result of a comparison between a reference value derived based on the genome information and a measured value collected from a user corresponding to the genome information for predetermined biological information.

36. The health information processing apparatus according to claim 35, wherein the analysis unit derives at least one of a result of a comparison between the reference value and the measured value at a predetermined time point and a result of a comparison between a tendency of a change in the measured value collected from the user in a width of a predetermined period and a tendency of a change in the reference value corresponding to the width of the predetermined period.

37. The health information processing apparatus according to claim 35 or 36, wherein the analysis unit derives a result of a comparison between a value derived based on

attribute information of the user and the measured value together with the result of the comparison between the reference value and the measured value.

38. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological information and behavior information being continuously collected, which are health information of each user, from each user;

storing the health information of each user that corresponds to a plurality of users;

analyzing the stored health information corresponding to the plurality of users;

estimating a future health risk of a predetermined user by using a result of the analysis and the health information of the predetermined user; and

transmitting the future health risk to a health information display apparatus.

39. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological information and behavior information being continuously collected, which are health information of each user, from each user;

storing the health information of each user that corresponds to a plurality of users;

analyzing the stored health information corresponding to the plurality of users;

evaluating the analyzed health information of a

predetermined user; and

presenting a result of the evaluation to the predetermined user.

40. A method of displaying health information using a health information display apparatus, the method comprising:

displaying a future health risk of a user, which is estimated based on genome information and biological information and behavior information, which are continuously collected, that are health information of the user on a display unit; and

displaying at least one of a target health state of the user and guidance information used for arriving at the target health state together with the future health risk.

41. A method of displaying health information using a health information display apparatus, the method comprising:

displaying a future health risk of a user, which is estimated based on genome information and biological information and behavior information, which are continuously collected, that are health information of the user on a display unit; and

displaying the health information of the user together with the future health risk.

42. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological information and behavior information being continuously collected, which are health information of each user, from

each user;

storing the health information of each user that corresponds to a plurality of users;

deriving relevance between a combination of a type of genome derived from genome information and a type of lifestyle derived from biological information and behavior information and a predetermined purpose by receiving an input of the predetermined purpose and analyzing the stored health information corresponding to the plurality of users; and

outputting a result of the analysis.

43. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological information and behavior information being continuously collected, which are health information of each user, from each user;

storing the health information of each user that corresponds to a plurality of users;

receiving disclosure items of the health information and use permission of the health information for a disclosure destination from the user and outputting the health information according to a content of the received use permission; and

storing information of the use permission in accompaniment with the health information.

44. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological

information being continuously collected, which are health information of each user, from each user;

storing the health information of each user that corresponds to a plurality of users;

comparing predetermined biological information with the biological information of each user, which is continuously collected, within a group formed by combining the genome information and attribute information of each user based on the stored information; and

representing a position of a value of the biological information of each user within the group based on a result of the comparison.

45. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological information being continuously collected, which are health information of each user, from each user;

storing the health information of each user that corresponds to a plurality of users;

integrating, for each group formed by combining the genome information and attribute information of each user, the biological information, which is continuously collected, of each user belonging to the group based on the stored information and comparing the biological information between the groups; and

representing a position of a value of the biological information of each group among the groups based on a result of the comparison.

46. A method of processing health information using a health information processing apparatus, the method

comprising:

collecting genome information and biological information being continuously collected, which are health information of each user, from each user;

storing the health information of each user that corresponds to a plurality of users; and

deriving a result of a comparison between a reference value derived based on the genome information and a measured value collected from a user corresponding to the genome information for predetermined biological information.

CLAIMS

1. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information and behavior information being continuously collected, which are health information of each user, that correspond to a plurality of users;

an analysis unit that analyzes the stored health information corresponding to the plurality of users; and

an estimation unit that estimates a future health risk of a predetermined user by using a result of the analysis and the health information of the predetermined user.

2. The health information processing apparatus according to claim 1, wherein the analysis unit derives relevance between a lifestyle and a health risk derived from the genome information, the biological information, and the behavior information by analyzing the health information corresponding to the plurality of users.

3. The health information processing apparatus according to claim 1 or 2, wherein the analysis unit derives relevance between a combination of a type of genome derived from the genome information and a type of lifestyle derived from the biological information and the behavior information and a diseases having a possibility of being caused in the future by analyzing the health information corresponding to the plurality of users.

4. The health information processing apparatus according to claim 3,

wherein the analysis unit acquires a list of diseases causable in the future as a result of the analysis, the list of the diseases being ordered in accordance with a

stronger influence of a genome factor or a lifestyle factor for each combination of a type of genome and a type of lifestyle, and

wherein the estimation unit estimates diseases causable in the future for the predetermined user by referring to the list by using the combination of the type of genome and the type of lifestyle of the predetermined user derived from the health information of the predetermined user.

5. The health information processing apparatus according to claim 1 or 2, wherein, in a case where the future health risk of the predetermined user is estimated, the estimation unit adjusts a result of the estimation in accordance with a health state of the present of the predetermined user, the health state of the present being determined based on the health information of the predetermined user.

6. The health information processing apparatus according to claim 1 or 2,

wherein the accumulation unit increases a scale of the health information corresponding to the plurality of users by newly accumulating the health information,

wherein the analysis unit acquires a result of a new analysis by performing the new analysis in accordance with the increase in the scale of the health information corresponding to the plurality of users, and

wherein the estimation unit estimates the future health risk of the predetermined user by using the result of the analysis that is newly acquired and the health information of the predetermined user.

7. The health information processing apparatus according

to claim 1 or 2, wherein the genome information includes at least one of arrangement information of base pairs of about three billion, arrangement information of base pairs of about one million, and a difference from standard genome information.

8. The health information processing apparatus according to claim 1 or 2, wherein the health risk is an outbreak probability of each disease.

9. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information and behavior information being continuously collected, which are health information of each user, that correspond to a plurality of users;

an analysis unit that analyzes the stored health information corresponding to the plurality of users; and

a presentation unit that evaluates the health information of a predetermined user that is stored in the accumulation unit and is analyzed by the analysis unit and present a result of the evaluation to the predetermined user.

10. The health information processing apparatus according to claim 9, wherein the presentation unit calculates points based on at least one of a data amount, kinds, and the number of kinds of the health information collected from each user and present information relating to the calculated points to the user.

11. The health information processing apparatus according to claim 10,

wherein the health information is utilized for an

estimation of a future health risk and a secondary use having a purpose different from that of the estimation of the future health risk, and

wherein the presentation unit calculates the points also based on usefulness of the secondary use for which the health information is utilized.

12. The health information processing apparatus according to claim 9, wherein the presentation unit sets a competition relation among the plurality of users transmitting the health information, compare the health information among the users to which the competition relation is set, and present a result of the comparison to each user.

13. A health information display apparatus comprising:

a display unit; and

a display control unit that displays a future health risk of a user, which is estimated based on genome information and biological information and behavior information, which are continuously collected, that are health information of the user on the display unit,

the display control unit displays at least one of a target health state of the user and guidance information used for arriving at the target health state together with the future health risk.

14. The health information display apparatus according to claim 13, wherein, when designation of a time point of the estimation is received from an operator, the display control unit displays the future health risk corresponding to the received time point.

15. The health information display apparatus according to claim 13 or 14, wherein, when a width of a period of the health information of the user that is used for the estimation is received from an operator, the display control unit displays the future health risk corresponding to the received width of the period.

16. The health information display apparatus according to claim 13 or 14, wherein, when a change instruction for changing a lifestyle is received from an operator, the display control unit further displays the future health risk simulated in accordance with the received change instruction.

17. The health information display apparatus according to claim 13 or 14, wherein the display control unit displays names of diseases to be caused in the future for the user as the future health risk.

18. The health information display apparatus according to claim 17, wherein, in a case where the names of diseases are displayed for the user or a related person of the user, the display control unit displays the names using common names.

19. The health information display apparatus according to claim 17, wherein, in a case where the names of the diseases are displayed for the user or a related person of the user, the display control unit does not display the names of some of the diseases.

20. A health information display apparatus comprising:
a display unit; and

a display control unit that displays a future health risk of a user, which is estimated based on genome information and biological information and behavior information, which are continuously collected, that are health information of the user on the display unit,

the display control unit that displays the health information of the user together with the future health risk.

21. The health information display apparatus according to claim 20, wherein the display control unit displays a type of genome derived from the genome information and a type of lifestyle derived from the biological information and the behavior information as the health information of the user.

22. The health information display apparatus according to claim 20 or 21, wherein the display control unit displays names of diseases to be caused in the future for the user as the future health risk.

23. The health information display apparatus according to claim 22, wherein, in a case where the names of the diseases are displayed for a medical worker, the display control unit displays each of the names using at least one of a formal name and an ICD (International Classification of Diseases) code.

24. The health information display apparatus according to claim 20 or 21, wherein the display control unit displays a health risk ranking list of a plurality of users based on a comparison with other users other than the user and, in a case where a predetermined user is designated for the health risk ranking list, displays the future health risk

and the health information of the designated user.

25. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information and behavior information being continuously collected, which are health information of each user, that correspond to a plurality of users;

an analysis unit that derives relevance between a combination of a type of genome derived from genome information and a type of lifestyle derived from biological information and behavior information and a predetermined purpose by receiving an input of the predetermined purpose and analyzing the stored health information corresponding to the plurality of users; and

an output unit that outputs a result of the analysis.

26. The health information processing apparatus according to claim 25,

wherein the analysis unit acquires a classification result acquired by classifying combinations of a type of genome and a type of lifestyle based on the relevance with the predetermined purpose, and

wherein the output unit outputs the classification result as a result of the analysis.

27. The health information processing apparatus according to claim 26, wherein the output unit outputs a real name list of users belonging to a predetermined group acquired as the classification result.

28. The health information processing apparatus according to claim 27, wherein the output unit, first, outputs the real name list of the users belonging to the predetermined

group acquired as the classification result and, second, outputs the health information of some of the users belonging to the predetermined group.

29. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information and behavior information being continuously collected, which are health information of each user, that correspond to a plurality of users; and

an output unit that receives disclosure items of the health information and use permission of the health information for a disclosure destination from the user and outputs the health information according to a content of the received use permission,

the accumulation unit that stores information of the use permission in accompaniment with the health information.

30. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information and behavior information being continuously collected, which are health information of each user, that correspond to a plurality of users;

a comparison unit that compare predetermined biological information with the biological information of each user, which is continuously collected, within a group formed by combining the genome information and attribute information of each user based on the information stored in the accumulation unit; and

an analysis unit that represents a position of a value of the biological information of each user within the group based on a result of the comparison performed by the comparison unit.

31. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information and behavior information being continuously collected, which are health information of each user, that correspond to a plurality of users;

a comparison unit that integrates, for each group formed by combining the genome information and attribute information of each user, the biological information, which is continuously collected, of each user belonging to the group based on the information stored in the accumulation unit and compares the biological information between the groups; and

an analysis unit that represents a position of a value of the biological information of each group among the groups based on a result of the comparison performed by the comparison unit.

32. The health information processing apparatus according to claim 30 or 31, wherein the analysis unit represents a position in a distribution of values of the biological information as the position.

33. The health information processing apparatus according to claim 30 or 31, wherein the analysis unit represents a position of the value of the biological information using at least one of a ranking and a deviation value derived using the biological information of each user that is continuously collected.

34. The health information processing apparatus according to claim 30 or 31,

wherein the attribute information includes information of a residential area, age, sex and a race of the user and

a health insurance association to which the user belongs, and

wherein the analysis unit forms a group acquired by combining the genome information and the attribute information of each user as the group.

35. A health information processing apparatus comprising:

an accumulation unit that stores genome information and biological information, which is continuously collected, that are health information of each user and correspond to a plurality of users; and

an analysis unit that derives a result of a comparison between a reference value derived based on the genome information and a measured value collected from a user corresponding to the genome information for predetermined biological information.

36. The health information processing apparatus according to claim 35, wherein the analysis unit derives at least one of a result of a comparison between the reference value and the measured value at a predetermined time point and a result of a comparison between a tendency of a change in the measured value collected from the user in a width of a predetermined period and a tendency of a change in the reference value corresponding to the width of the predetermined period.

37. The health information processing apparatus according to claim 35 or 36, wherein the analysis unit derives a result of a comparison between a value derived based on attribute information of the user and the measured value together with the result of the comparison between the reference value and the measured value.

38. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological information and behavior information being continuously collected, which are health information of each user, from each user;

storing the health information of each user that corresponds to a plurality of users;

analyzing the stored health information corresponding to the plurality of users;

estimating a future health risk of a predetermined user by using a result of the analysis and the health information of the predetermined user; and

transmitting the future health risk to a health information display apparatus.

39. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological information and behavior information being continuously collected, which are health information of each user, from each user;

storing the health information of each user that corresponds to a plurality of users;

analyzing the stored health information corresponding to the plurality of users;

evaluating the analyzed health information of a predetermined user; and

presenting a result of the evaluation to the predetermined user.

40. A method of displaying health information using a health information display apparatus, the method comprising:

displaying a future health risk of a user, which is estimated based on genome information and biological information and behavior information, which are continuously collected, that are health information of the user on a display unit; and

displaying at least one of a target health state of the user and guidance information used for arriving at the target health state together with the future health risk.

41. A method of displaying health information using a health information display apparatus, the method comprising:

displaying a future health risk of a user, which is estimated based on genome information and biological information and behavior information, which are continuously collected, that are health information of the user on a display unit; and

displaying the health information of the user together with the future health risk.

42. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological information and behavior information being continuously collected, which are health information of each user, from each user;

storing the health information of each user that corresponds to a plurality of users;

deriving relevance between a combination of a type of genome derived from genome information and a type of lifestyle derived from biological information and behavior information and a predetermined purpose by receiving an input of the predetermined purpose and analyzing the stored health information corresponding to the plurality of users; and

outputting a result of the analysis.

43. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological information and behavior information being continuously collected, which are health information of each user, from each user;

storing the health information of each user that corresponds to a plurality of users;

receiving disclosure items of the health information and use permission of the health information for a disclosure destination from the user and outputting the health information according to a content of the received use permission; and

storing information of the use permission in accompaniment with the health information.

44. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological information being continuously collected, which are health information of each user, from each user;

storing the health information of each user that

corresponds to a plurality of users;

comparing predetermined biological information with the biological information of each user, which is continuously collected, within a group formed by combining the genome information and attribute information of each user based on the stored information; and

representing a position of a value of the biological information of each user within the group based on a result of the comparison.

45. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological information being continuously collected, which are health information of each user, from each user;

storing the health information of each user that corresponds to a plurality of users;

integrating, for each group formed by combining the genome information and attribute information of each user, the biological information, which is continuously collected, of each user belonging to the group based on the stored information and comparing the biological information between the groups; and

representing a position of a value of the biological information of each group among the groups based on a result of the comparison.

46. A method of processing health information using a health information processing apparatus, the method comprising:

collecting genome information and biological information being continuously collected, which are health

information of each user, from each user;

storing the health information of each user that corresponds to a plurality of users; and

deriving a result of a comparison between a reference value derived based on the genome information and a measured value collected from a user corresponding to the genome information for predetermined biological information.