# CLAIMS

1. A care support apparatus comprising:

an excretion identification part that identifies an excretion time point at which a care recipient excretes on the basis of information from a sensor provided in the vicinity of the care recipient;

a memory that stores a standard time until care indicating a time from a point of excretion until performing a treatment of the excretion associated with the care recipient, wherein the standard time until care is determined based on statistical values of time from a plurality of past excretion time points to treatment time points corresponding to the care recipient and one or more caregivers whose experience levels are equal to or greater than a standard level; and

an information output part that generates recommendation information indicating (i) when a caregiver of the care recipient is recommended to perform one or more types of care work including the treatment of the excretion of the care recipient on the basis of past excretion time points of the care recipient and (ii) the standard time until care by referring to the standard time until care associated with the care recipient, and outputs the generated recommendation information.

2. The care support apparatus according to claim 1, wherein

the information output part outputs a time elapsed from a previous excretion time point as the recommendation information.

3. The care support apparatus according to claim 1 or 2, wherein

the information output part identifies a time period in which the care recipient may excrete next on the basis of the plurality of the past excretion time points, and outputs the recommendation information indicating the identified time period.

4. The care support apparatus according to any one of claims 1 to 3, wherein

the excretion identification part further identifies a state of the excretion at the excretion time point, and

the information output part generates the recommendation information on the basis of the state identified by the excretion identification part.

5. The care support apparatus according to claim 1, further comprising:

a treatment time point identification part that identifies a treatment time point at which the caregiver performs the treatment of the excretion, wherein

the information output part determines the standard time until care on the basis of a time elapsed from the past excretion time point to the treatment time point immediately after the excretion time point.

6. The care support apparatus according to claim 5, wherein

the information output part determines the standard time until care on the basis of the treatment time point at which one or more of a plurality of the caregivers who satisfy a predetermined condition performed the treatment of the excretion.

7. The care support apparatus according to claim 5 or 6, further comprising:

an information acquisition part that acquires odor change information

indicating a change in odor detected by an odor sensor installed in the bed of the care recipient or in the vicinity of the bed, and position information indicating the position of the care recipient detected by a position sensor installed in the bed or in the vicinity of the bed, wherein

the treatment time point identification part identifies, as the treatment time point, a time point at which it is determined that the odor is weakened on the basis of the odor change information while the position information indicates that the care recipient is on the bed.

8. The care support apparatus according to any one of claims 1 to 7, wherein

the information output part outputs the recommendation information indicating a tendency related to the excretion of the care recipient on the basis of the plurality of the past excretion time points.

9. The care support apparatus according to any one of claims 1 to 6, further comprising:

an information acquisition part that acquires medication information indicating contents and time of medication for the care recipient, wherein

the information output part generates the recommendation information further on the basis of the medication information.

10. The care support apparatus according to any one of claims 1 to 9, wherein

the excretion identification part identifies a plurality of the excretion time points in association with a plurality of the care recipients, and

the information output part generates the recommendation information

indicating when the caregiver is recommended to perform the care work for each of the plurality of care recipients on the basis of the plurality of excretion time points of the plurality of care recipients.

11. The care support apparatus according to claim 10, wherein

the information output part outputs, in association with the plurality of care recipients, the recommendation information indicating when the caregiver is recommended to perform the care work for each of the plurality of care recipients.

12. The care support apparatus according to any one of claims 1 to 11, wherein

the information output part outputs, as the care work, the recommendation information indicating times at which it is recommend to treat the excretion and provide a meal to the care recipient.

13. The care support apparatus according to any one of claims 1 to 12, wherein

the information output part assigns a time at which the caregiver is recommended to perform the care work within a time period during which the caregiver is allowed to perform the care work in a facility to which the caregiver belongs.

14. The care support apparatus according to any one of claims 1 to 13, wherein

the information output part generates the recommendation information so as to satisfy a minimum number of staff members for a care facility to which the caregiver belongs.

15. A care support method comprising the steps, executed by a computer, of:

identifying an excretion time point at which a care recipient excretes on the basis of information from a sensor provided in the vicinity of the care recipient;

storing a standard time until care indicating a time from a point of excretion until performing a treatment of the excretion associated with the care recipient, wherein the standard time until care is determined based on statistical values of time from a plurality of past excretion time points to treatment time points corresponding to the care recipient and one or more caregivers whose experience levels are equal to or greater than a standard level;

generating recommendation information indicating (i) a time at which a caregiver of the care recipient is recommended to perform one or more types of care work including the treatment of excretion of the care recipient on the basis of the past excretion time points of the care recipient and (ii) the standard time until care by referring to the stored standard time until care associated with the care recipient; and

outputting the generated recommendation information.

16. A program for causing a computer to function as:

an excretion identification part that identifies an excretion time point at which a care recipient excretes on the basis of information from a sensor provided in the vicinity of the care recipient;

an information output part that accesses a memory that stores a standard time until care indicating a time from a point of excretion until performing a treatment of the excretion associated with the care recipient, wherein the standard time until care is determined based on statistical values of time from a plurality of past excretion time

points to treatment time points corresponding to the care recipient and one or more caregivers whose experience levels are equal to or greater than a standard level and generates recommendation information indicating (i) a time at which a caregiver of the care recipient is recommended to perform one or more types of care work including the treatment of excretion of the care recipient on the basis of past excretion time points of the care recipient and (ii) the standard time until care by referring to the standard time until care associated with the care recipient, and outputs the generated recommendation information.

17. A care support system comprising:

an information terminal that is capable of displaying information; and

a care support apparatus that outputs recommendation information to the information terminal, wherein

the care support apparatus includes:

an excretion identification part that identifies an excretion time point at which a care recipient excretes on the basis of information from a sensor provided in the vicinity of the care recipient;

a memory that stores a standard time until care indicating a time from a point of excretion until performing a treatment of the excretion associated with the care recipient, wherein the standard time until care is determined based on statistical values of time from a plurality of past excretion time points to treatment time points corresponding to the care recipient and one or more caregivers whose experience levels are equal to or greater than a standard level; and

an information output part that generates the recommendation information

indicating (i) a time at which a caregiver of the care recipient is recommended to perform one or more types of care work including the treatment of excretion of the care recipient on the basis of past excretion time points of the care recipient and (ii) the standard time until care by referring to the standard time until care associated with the care recipient, and outputs the generated recommendation information, and

the information terminal includes:

a display part that displays the recommendation information.