

CLAIMS

What is claimed is:

1. A method comprising:
 - receiving treatment data pertaining to a user that uses a treatment device to perform a treatment plan, wherein the treatment data comprises at least one of characteristics of the user, measurement information pertaining to the user while the user uses the treatment device, characteristics of the treatment device, and at least one aspect of the treatment plan;
 - generating treatment information using the treatment data;
 - writing to an associated memory, for access at a computing device of a healthcare provider, the treatment information;
 - communicating with an interface, at the computing device of the healthcare provider, wherein the interface is configured to receive treatment plan input; and
 - modifying at least one of the at least one aspect and any other aspect of the treatment plan in response to receiving treatment plan input including at least one modification to the at least one of the at least one aspect and any other aspect of the treatment plan.
2. The method of claim 1, further comprising controlling, based on the modified the at least one of the at least one aspect and any other aspect of the treatment plan, the treatment device while the user uses the treatment device.
3. The method of claim 1, further comprising controlling, based on the modified the at least one of the at least one aspect and any other aspect of the treatment plan, the treatment device while the user uses the treatment device during a telemedicine session.
4. The method of claim 1, wherein the measurement information includes at least one of a vital sign of the user, a respiration rate of the user, a heartrate of the user, a temperature of the user, and a blood pressure of the user.
5. The method of claim 1, wherein at least some of the treatment data corresponds to sensor data from a sensor associated with the treatment device.
6. The method of claim 1, wherein at least some of the treatment data corresponds to sensor data from a sensor associated with a wearable device worn by the user while using the treatment device.
7. The method of claim 1, further comprising receiving subsequent treatment data pertaining to the user while the user uses the treatment device to perform the treatment plan.

8. The method of claim 7, further comprising modifying the modified the at least one of the at least one aspect and any other aspect of the treatment plan in response to receiving subsequent treatment plan input including at least one further modification to the modified the at least one of the at least one aspect and any other aspect of the treatment plan, wherein the subsequent treatment plan input is based on at least one of the treatment data and the subsequent treatment data.

9. A tangible, non-transitory computer-readable medium storing instructions that, when executed, cause a processing device to:

receive treatment data pertaining to a user that uses a treatment device to perform a treatment plan, wherein the treatment data comprises at least one of characteristics of the user, measurement information pertaining to the user while the user uses the treatment device, characteristics of the treatment device, and the at least one of the at least one aspect and any other aspect of the treatment plan;

generate treatment information using the treatment data;

write to an associated memory, for access at a computing device of a healthcare provider, the treatment information;

communicate with an interface, at the computing device of the healthcare provider, wherein the interface is configured to receive treatment plan input; and

modify the at least one of the at least one aspect and any other aspect of the treatment plan in response to receiving treatment plan input including at least one modification to the at least one of the at least one aspect and any other aspect of the treatment plan.

10. The computer-readable medium of claim 9, wherein the processing device is further configured to control, based on the modified the at least one of the at least one aspect and any other aspect of the treatment plan, the treatment device while the user uses the treatment device.

11. The computer-readable medium of claim 9, wherein the processing device is further configured to control, based on the modified the at least one of the at least one aspect and any other aspect of the treatment plan, the treatment device while the user uses the treatment device during a telemedicine session.

12. The computer-readable medium of claim 9, wherein the measurement information includes at least one of a vital sign of the user, a respiration rate of the user, a heartrate of the user, a temperature of the user, and a blood pressure of the user.

13. The computer-readable medium of claim 9, wherein at least some of the treatment data corresponds to sensor data from a sensor associated with the treatment device.

14. The computer-readable medium of claim 9, wherein at least some of the treatment data corresponds to sensor data from a sensor associated with a wearable device worn by the user while using the treatment device.

15. The computer-readable medium of claim 9, wherein the processing device is further configured to receive subsequent treatment data pertaining to the user while the user uses the treatment device to perform the treatment plan.

16. The computer-readable medium of claim 15, wherein the processing device is further configured to modify the modified the at least one of the at least one aspect and any other aspect of the treatment plan in response to receiving subsequent treatment plan input including at least one further modification to the modified the at least one of the at least one aspect and any other aspect of the treatment plan, wherein the subsequent treatment plan input is based on at least one of the treatment data and the subsequent treatment data.

17. A system comprising:
a memory device storing instructions; and
a processing device communicatively coupled to the memory device, the processing device executes the instructions to:

receive treatment data pertaining to a user that uses a treatment device to perform a treatment plan, wherein the treatment data comprises at least one of characteristics of the user, measurement information pertaining to the user while the user uses the treatment device, characteristics of the treatment device, and the at least one of the at least one aspect and any other aspect of the treatment plan;

generate treatment information using the treatment data;

write to at least one of the memory device and another associated memory device, for access at a computing device of a healthcare provider, the treatment information;

communicate with an interface, at the computing device of the healthcare provider, wherein the interface is configured to receive treatment plan input; and

modify the at least one of the at least one aspect and any other aspect of the treatment plan in response to receiving treatment plan input including at least one modification to the at least one of the at least one aspect and any other aspect of the treatment plan.

18. The system of claim 17, wherein the processing device is further configured to control, based on the modified the at least one of the at least one aspect and any other aspect of the treatment plan, the treatment device while the user uses the treatment device.

19. The system of claim 17, wherein the processing device is further configured to control, based on the modified the at least one of the at least one aspect and any other aspect of the treatment plan, the treatment device while the user uses the treatment device during a telemedicine session.

20. The system of claim 17, wherein the measurement information includes at least one of a vital sign of the user, a respiration rate of the user, a heartrate of the user, a temperature of the user, and a blood pressure of the user.

21. The system of claim 17, wherein at least some of the treatment data corresponds to sensor data from a sensor associated with the treatment device.
22. The system of claim 17, wherein at least some of the treatment data corresponds to sensor data from a sensor associated with a wearable device worn by the user while using the treatment device.
23. The system of claim 17, wherein the processing device is further configured to receive subsequent treatment data pertaining to the user while the user uses the treatment device to perform the treatment plan.
24. The system of claim 23, wherein the processing device is further configured to modify the modified the at least one of the at least one aspect and any other aspect of the treatment plan in response to receiving subsequent treatment plan input including at least one further modification to the modified the at least one of the at least one aspect and any other aspect of the treatment plan, wherein the subsequent treatment plan input is based on at least one of the treatment data and the subsequent treatment data.