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(54) **SYSTEM AND METHOD FOR TRACKING MEDICAL DEVICE USAGE**

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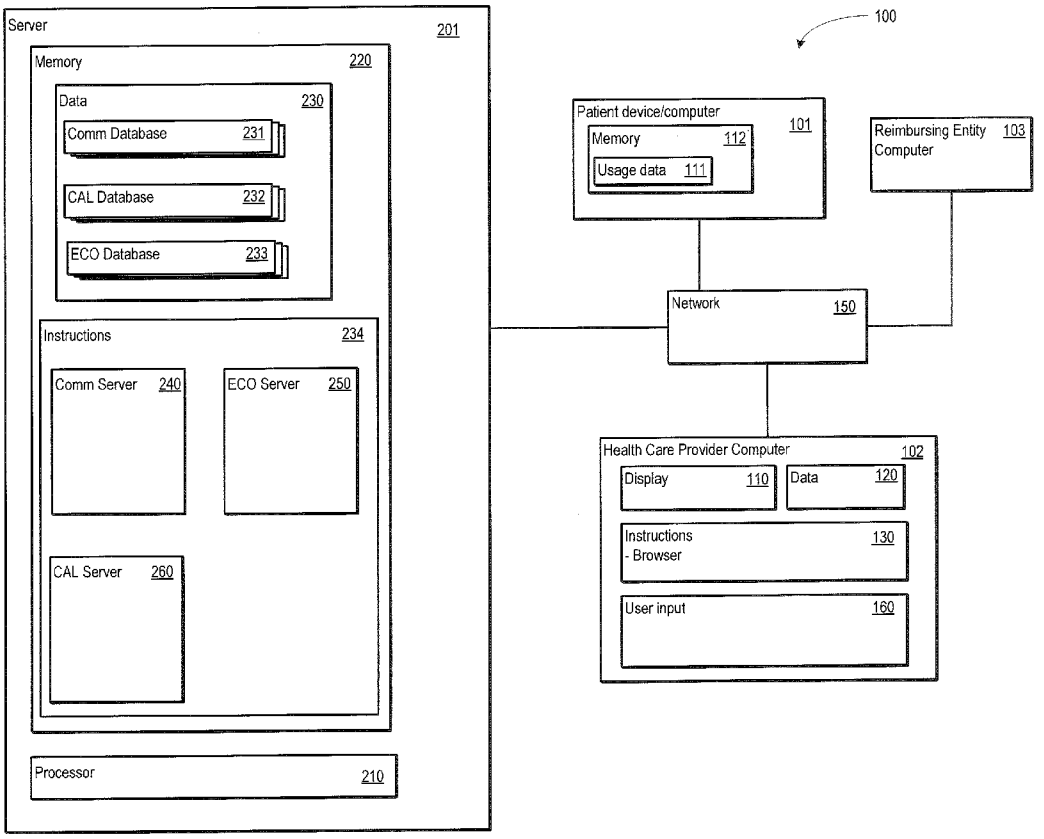
(57) **ABSTRACT**

A system provides medical device data to a system user. The medical device data is provided as an icon indicating compliance or non-compliance by the medical device user in connection with a predetermined set of usage criteria. Compliance is calculated based on usage data that is provided by the medical device. The system user may select one of the icons so as to have the system generate a compliance report. The compliance report may then be transmitted to a reimbursing entity.



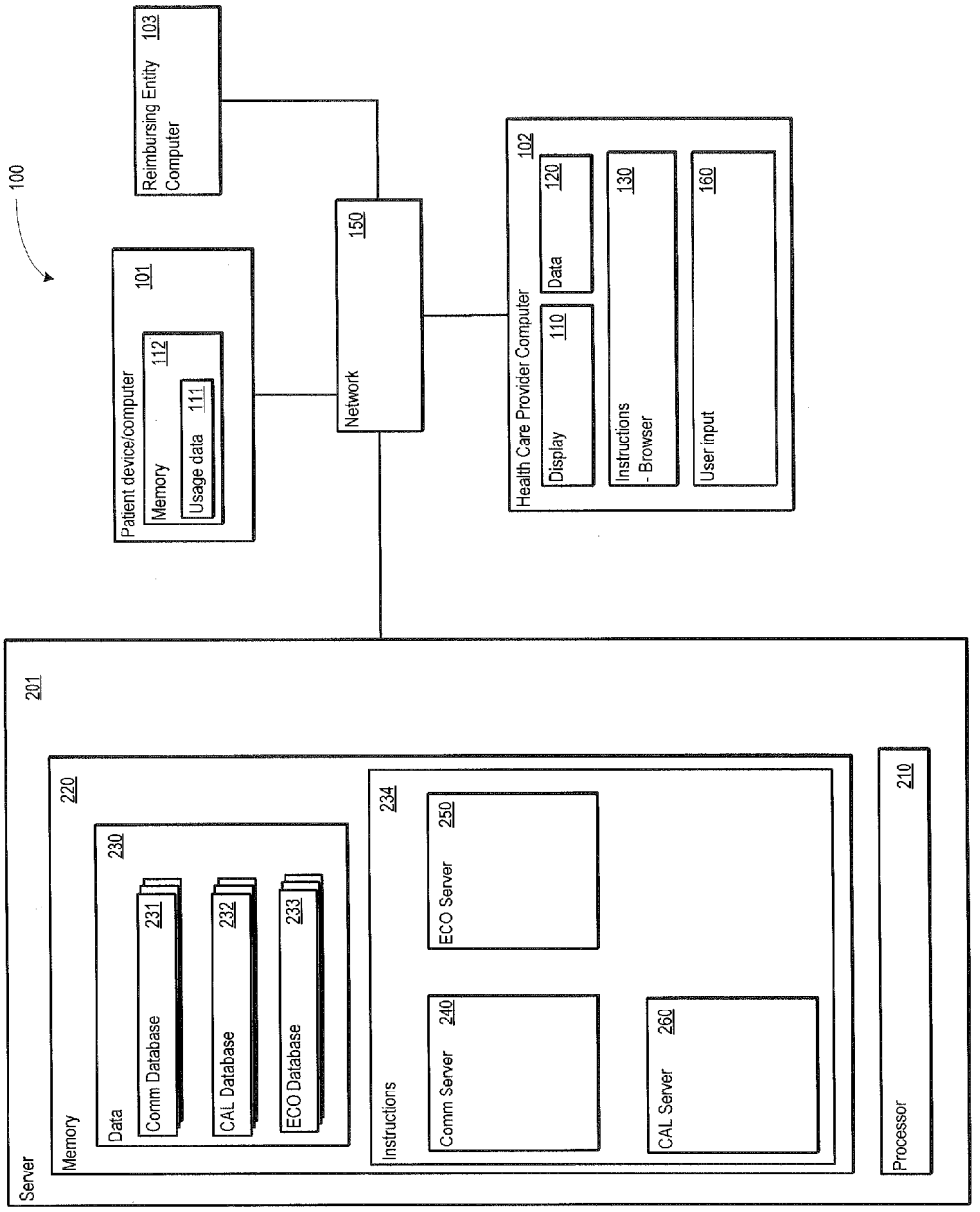

100
Reimbursing Entity Computer 103
Patient device/computer 101
Memory 112
Usage data 111
Network 150
Health Care Provider Computer 102
Display 110
Data 120
Instructions - Browser 130
User input 160
Server 201
Memory 220
Data 230
Comm Database 231
CAL Database 232
ECO Database 233
Instructions 234
Comm Server 240
ECO Server 250
CAL Server 260
Processor 210

FIGURE 1

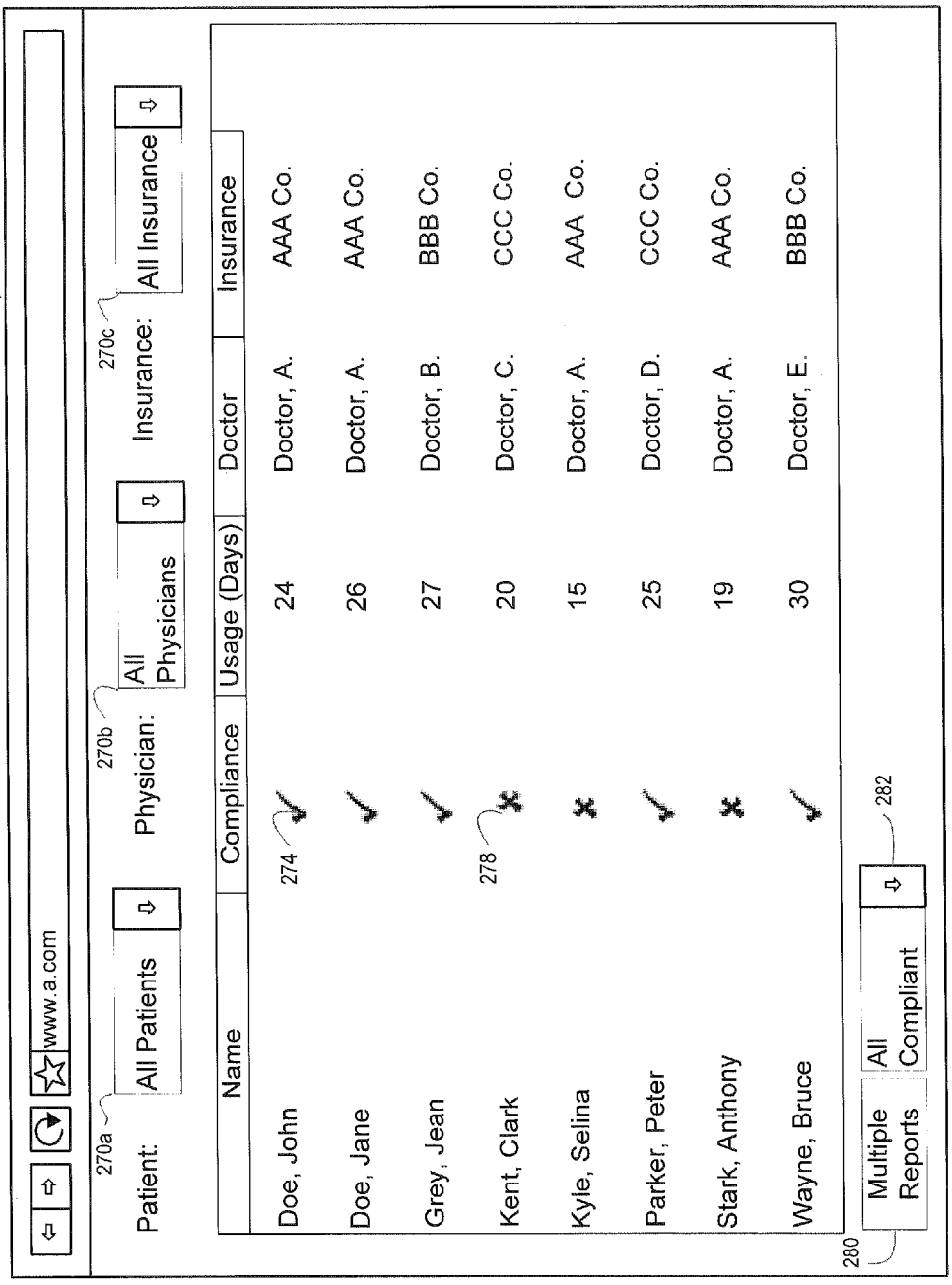

200
www.a.com
270a
Patient:
All Patients
270b
Physician:
All Physicians
270c
Insurance:
All Insurance
Name
Compliance
Usage (Days)
Doctor
Insurance
Doe, John
Doctor, A.
AAA Co.
Doe, Jane
Doctor, A.
AAA Co.
Grey, Jean
Doctor, B.
BBB Co.
Kent, Clark
Doctor, C.
CCC Co.
Kyle, Selina
Doctor, A.
AAA Co.
Parker, Peter
Doctor, D.
CCC Co.
Stark, Anthony
Doctor, A.
AAA Co.
Wayne, Bruce
Doctor, E.
BBB Co.
274
278
280
Multiple Reports
All Compliant
282

FIGURE 2

300

Doe, John
09/20/2011 - 10/19/2011

Patient ID: 00000000
DOB: 01/01/1931

Age: 81 years
Gender: Male

555 Fake Address Rd.
New York, New York
55555

Phone: 555-555-5555
E-mail:
555@fakeemail.com

Compliance Report

30 day compliance	09/20/2011 - 10/19/2011
Compliance met	Yes
Compliance percentage	73%

Usage	09/20/2011 - 10/19/2011
Usage days	**24/30 days (80%)**
>= 4 hours	**22 days (73%)**
< 4 hours	**2 days (7%)**
Usage hours	173 hours 18 minutes
Average usage (total days)	5 hours 47 minutes
Average usage (days used)	7 hours 13 minutes
Median usage (days used)	6 hours 47 minutes

S9 AutoSet	
Serial number	555555555
Mode	AutoSet
Minimum pressure	6.8 cmH2O
Maximum pressure	7.5 cmH2O
EPR	Off
EPR level	3

Therapy						
Pressure - cmH2O	Median:	**122.6**	95th percentile:	**118.0**	Maximum:	**117.1**
Leaks - L/min	Median:	**1191.8**	95th percentile:	**1244.3**	Maximum:	**1179.8**
Events per hour	AI:	**109.3**	HI:	**112.7**	AHI:	**122.8**
Apnea Index	Central:	**121.5**	Obstructive:	**111.1**	Unknown:	**123.7**

Usage - hours

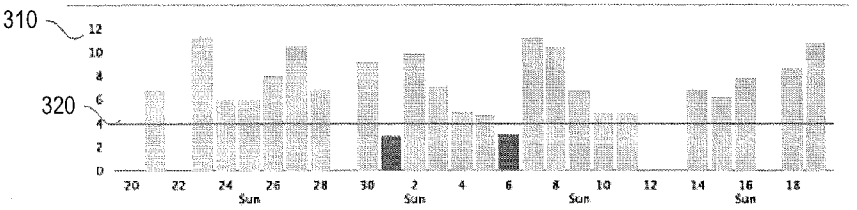
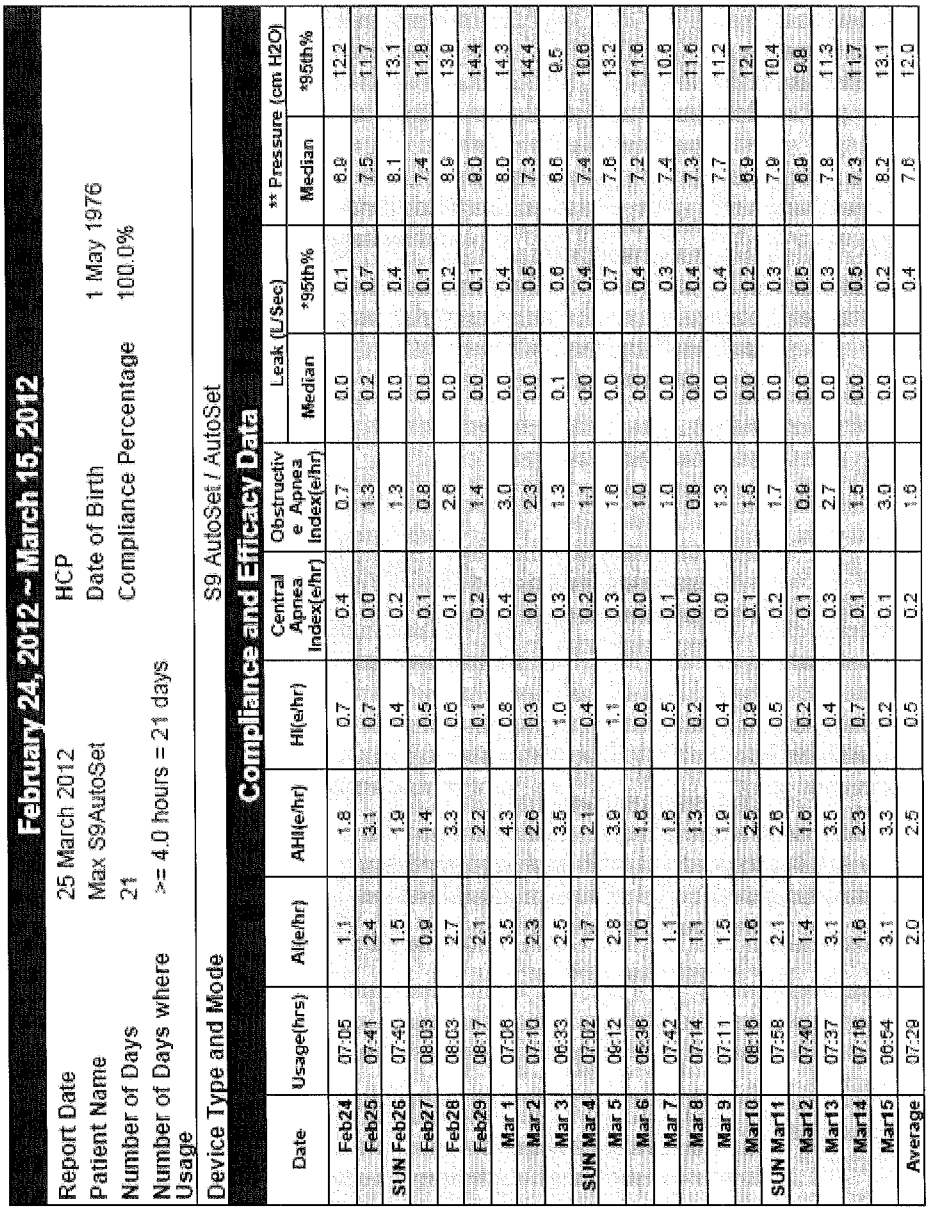


FIGURE 3



Therapeutic History Report

400

February 24, 2012 – March 15, 2012

Report Date	25 March 2012	HCP	
Patient Name	Max S9AutoSet	Date of Birth	1 May 1976
Number of Days	21	Compliance Percentage	100.0%
Number of Days where Usage	>= 4.0 hours = 21 days		
Device Type and Mode	S9 AutoSet / AutoSet		

Compliance and Efficacy Data

Date	Usage(hrs)	AI(e/hr)	AHI(e/hr)	HI(e/hr)	Central Apnea Index(e/hr)	Obstructive Apnea Index(e/hr)	Leak (L/Sec)		** Pressure (cm H2O)	
							Median	*95th%	Median	*95th%
Feb24	07:05	1.1	1.8	0.7	0.4	0.7	0.0	0.1	8.9	12.2
Feb25	07:41	2.4	3.1	0.7	0.0	1.3	0.2	0.7	7.5	11.7
SUN Feb26	07:40	1.5	1.9	0.4	0.2	1.3	0.0	0.4	8.1	13.1
Feb27	08:03	0.9	1.4	0.5	0.1	0.8	0.0	0.1	7.4	11.8
Feb28	08:03	2.7	3.3	0.6	0.1	2.6	0.0	0.2	8.9	13.9
Feb29	08:17	2.1	2.2	0.1	0.2	1.4	0.0	0.1	8.0	14.4
Mar 1	07:06	3.5	4.3	0.8	0.4	3.0	0.0	0.4	8.0	14.3
Mar 2	07:10	2.3	2.6	0.3	0.0	2.3	0.0	0.5	7.3	14.4
Mar 3	06:33	2.5	3.5	1.0	0.3	1.3	0.1	0.6	6.6	9.5
SUN Mar 4	07:02	1.7	2.1	0.4	0.2	1.1	0.0	0.4	7.4	10.6
Mar 5	06:12	2.8	3.9	1.1	0.3	1.6	0.0	0.7	7.8	13.2
Mar 6	05:36	1.0	1.6	0.6	0.0	1.0	0.0	0.4	7.2	11.6
Mar 7	07:42	1.1	1.6	0.5	0.1	1.0	0.0	0.3	7.4	10.6
Mar 8	07:14	1.1	1.3	0.2	0.0	0.8	0.0	0.4	7.3	11.6
Mar 9	07:11	1.5	1.9	0.4	0.0	1.3	0.0	0.4	7.7	11.2
Mar10	06:16	1.6	2.5	0.9	0.1	1.5	0.0	0.2	8.9	12.1
SUN Mar11	07:58	2.1	2.6	0.5	0.2	1.7	0.0	0.3	7.9	10.4
Mar12	07:40	1.4	1.6	0.2	0.1	0.8	0.0	0.5	6.9	9.8
Mar13	07:37	3.1	3.5	0.4	0.3	2.7	0.0	0.3	7.8	11.3
Mar14	07:16	1.6	2.3	0.7	0.1	1.5	0.0	0.5	7.3	11.7
Mar15	06:54	3.1	3.3	0.2	0.1	3.0	0.0	0.2	8.2	13.1
Average	07:29	2.0	2.5	0.5	0.2	1.6	0.0	0.4	7.6	12.0

FIGURE 4

SYSTEM AND METHOD FOR TRACKING MEDICAL DEVICE USAGE

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] The present application claims the benefit of the filing date of U.S. Provisional Patent Application No. 61/676,556 filed Jul. 27, 2012, the disclosure of which is hereby incorporated herein by reference.

BACKGROUND OF THE TECHNOLOGY

[0002] Patients are increasingly using Home Medical Equipment (HME) to treat various medical conditions. For example, patients suffering from sleep apnea may be prescribed a flow generator, such as a continuous positive airway pressure ("CPAP") device, for home ventilation therapy. Adherence to the prescribed therapy often requires that the patient use the flow generator at some minimum rate of usage. For example, a patient may be required to use the flow generator at least four hours a night for at least 21 of 30 consecutive days.

[0003] Insurance companies, or other reimbursing entities, often require evidence that the patient has been compliant in using the flow generator before paying for the therapy. In order to determine a patient's compliance, a flow generator provider will have to track the patient's usage of the flow generator and calculate the usage over a predetermined time period. Once the flow generator provider has determined that the patient has met the usage criteria, the flow generator provider may then notify the reimbursing entity that the patient is compliant. This process can be costly and time consuming, what is needed is a system that allows for fast and easy determination of a patient's compliance in using the prescribed flow generator (which will also be referred to in this specification as a medical device).

SUMMARY OF THE TECHNOLOGY

[0004] The technology relates to a method and system for providing healthcare professionals and flow generator providers with a simple and fast way to track medical device usage compliance for a number of patients. In accordance with one aspect of the technology, a server contains memory configured to store medical usage data and a processor in communication with the memory. The processor is configured to receive medical device usage data for a plurality of medical device users and to determine individually whether one or more of the plurality of medical device users are compliant. Compliance may be based on whether the received medical device usage data satisfies predetermined usage criteria. The processor is also configured to receive a request from health care professionals or flow generator providers for the compliance status for one or more of the medical device users, and to transmit a compliance indication for each of the one or more medical device users. The compliance indications may be based on whether the one or more medical device users have been determined to be compliant. The processor may then identify a signal that indicates that compliance has been achieved by a user, and transmit a compliance report for the medical device user corresponding to the compliance indication. The compliance report may contain usage data for the medical device user over a predetermined time period, wherein the predetermined time period corresponds to the predetermined usage criteria.

[0005] In accordance with another aspect of the technology, the medical device is a flow generator used for ventilation therapy. In addition, the memory of the server may be further configured to store device identifiers, wherein the medical device usage data for each of the plurality of medical device users includes a device identifier, which may be a unique device identifier, and wherein the processor of the server is further configured to associate the medical device usage data with a medical device user based on the received device identifiers.

[0006] In still another aspect of the technology, the server's processor is further configured to receive updated medical device usage data for at least one of the plurality of medical device users, and to determine whether at least one medical device user is compliant. In addition, compliance may be based on whether the updated usage data satisfies predetermined usage criteria. The processor may then dynamically update the compliance indication for at least one medical device user.

[0007] In yet another aspect of the technology, the compliance indications are transmitted so as to be displayed as selectable icons.

[0008] In still another aspect, a report may be provided. The report being of a format that allows a reimbursing entity to accept the report as verification of compliance. For example, the report may contain a graphical indication of compliance.

[0009] In another aspect of the technology, a healthcare professional may access a website for medical compliance information, and select on the website one or more medical device users for which compliance information is sought. The user will then receive a compliance indication for each of the one or more selected medical device users, wherein the compliance indications vary depending on whether the one or more medical device users have been determined to be compliant based on medical device usage data. The user may then select one of the received compliance indications, and receive a compliance report for the medical device user corresponding to the selected compliance indication. The compliance report may contain usage data for the medical device user over a predetermined time period, wherein the predetermined time period corresponds to the predetermined usage criteria. The compliance report may be a word processing file or a PDF (Portable Document Format) file suitable for printing or electronic transmission.

[0010] In still another aspect of the technology, a healthcare professional may select a set of medical device users for which a compliance report is sought and receive compliance reports for each of the medical device users from the set of medical device users. The healthcare professional may then transmit the received compliance reports to a reimbursing entity.

BRIEF DESCRIPTION OF DRAWINGS

[0011] The accompanying drawings facilitate an understanding of the various embodiments of this present technology. In such drawings:

[0012] FIG. **1** depicts a schematic representation of system in accordance with an aspect of the technology;

[0013] FIG. **2** depicts a webpage in accordance with an aspect of the technology;

[0014] FIG. **3** depicts a compliance report in accordance with an aspect of the technology; and

[0015] FIG. **4** depicts another compliance report in accordance with an aspect of the technology.

Table of Reference Numbers:	
compliance reporting system	100
patient medical device	101
health care provider computer	102
reimbursing entity computer	103
electronic display	110
usage data	111
storage medium/memory	112
data	120
instructions	130
network	150
user input 150	160
website	200
server	201
processor	210
memory	220
data	230
Comm Database	231
CAL database	232
Eco database	233
instructions	234
Comm server	240
ECO Server	250
CAL server	260
selection menus	270a; 270b, 270c
compliance icon/check mark	274
compliance icon/cross mark	278
icon	280
menu	282
compliance report	300
graph	310
compliance time(in number of hours)	320
therapeutic history report	400

DETAILED DESCRIPTION

[0016] FIG. **1** illustrates a compliance reporting system **100** that may be used in connection with aspects of the present technology. As shown in FIG. **1**, a system **100** includes a patient device **101**, a health care provider computer **102**, and a server **201**, all of which are connected to a network **150**. Patient medical device **101** may be any flow generator used by a patient, such as a flow generator device used in connection with ventilation therapy, a humidifier, or a dental device. As the patient uses medical device **101**, usage data **111** is recorded on storage medium, also referred to as memory, **112**. Usage data may include any data relating to the use of medical device **101**, such as date and time of use, the patient's condition during use, and the medical device's condition during use. Storage medium **112** may be of any type capable of storing information accessible by a processor, including a computer-readable medium, or other medium that stores data that may be read with the aid of an electronic device, such as a hard-drive, memory card, ROM, RAM, DVD or other optical disks, as well as other write-capable and read-only memories.

[0017] Server **201** includes a memory **220** for storing data **230**, instructions **234**, and a processor **210**. Memory **220** stores information accessible by processor **210**, including instructions **234** that may be executed or otherwise used by the processor **120**. The memory **220** may be of any type capable of storing information accessible by the processor, including a computer-readable medium, or other medium that stores data that may be read with the aid of an electronic device, such as a hard-drive, memory card, ROM, RAM, DVD or other optical disks, as well as other write-capable and read-only memories. Systems and methods may include different combinations of the foregoing, whereby different portions of the instructions and data are stored on different types of media.

[0018] The instructions **234** may be any set of instructions to be executed directly (such as machine code) or indirectly (such as scripts) by the processor. For example, the instructions may be stored as computer code on the computer-readable medium. In that regard, the terms "instructions" and "programs" may be used interchangeably herein. The instructions may be stored in object code format for direct processing by the processor, or in any other computer language including scripts or collections of independent source code modules that are interpreted on demand or compiled in advance. Functions, methods and routines of the instructions are explained in more detail below. Instructions **234** may also contain instructions for operating one or more virtual servers, such as Communication (Comm) server **240**, Easy Care Online (ECO) Server **250**, and Communication Abstraction Layer (CAL) server **260**.

[0019] The data **230** may be retrieved, stored or modified by processor **210** in accordance with the instructions **234**. For instance, although the system and method is not limited by any particular data structure, the data may be stored in computer registers, in a relational database as a table having a plurality of different fields and records, XML documents or flat files. The data may also be formatted in any computer-readable format. The data may comprise any information sufficient to identify the relevant information, such as numbers, descriptive text, proprietary codes, references to data stored in other areas of the same memory or different memories (including other network locations) or information that is used by a function to calculate the relevant data. Data **230** may include one or more databases, including a Comm database **231**, CAL database **232**, and ECO database **233**.

[0020] The processor **210** may be any conventional processor, including commercially available processors. Alternatively, the processor may be a dedicated device such as an ASIC or FPGA. Although FIG. **1** functionally illustrates the processor, memory, and other elements of server **201** as being within the same block, it will be understood by those of ordinary skill in the art that the processor and memory may actually comprise multiple processors and memories that may or may not be stored within the same physical housing. For example, memory may be a hard drive or other storage media located in a housing different from that of server **201**. Accordingly, references to a processor or computer will be understood to include references to a collection of processors or computers or memories that may or may not operate in parallel or even be located at the same site. Rather than using a single processor to perform the steps described herein some of the components such as steering components and deceleration components may each have their own processor that only performs calculations related to the component's specific function. Thus, server **201** may be referred to as both a system and an apparatus.

[0021] Computers **102** and **103** may include all of the components normally used in connection with a computer, such as a central processing unit (CPU), memory (e.g., RAM and internal hard drives) storing data **120** and instructions **130** such as a web browser, an electronic display **110** (e.g., a monitor having a screen, a small LCD touch-screen or any

other electrical device that is operable to display information), and user input **160** (e.g., a mouse, keyboard, touch screen, and/or microphone).

[0022] In accordance with one embodiment, the memory **112** may be a removable memory storage device, such as a memory card, that may be transferred from a medical device **101** to a separate computer. Accordingly, the term "medical device" in such a case may be interpreted broadly to include a personal computer, such as a desktop or mobile computer, which contains usage data **111** collected from a medical device, such as a flow generator. In addition, while FIG. **1** illustrates server **201** and computers **101-103** as being connected via a single network **150**, each two or more devices within system **100** may be connected via a separate network.

[0023] In one example, ECO server **250** and ECO database **233** may reside on a device at a location that is remote from Comm server **240**, Comm database **231**, CAL server **260**, and CAL database **232**. In addition, Comm server **240**, Comm database **231**, CAL server **260**, and CAL database **232** may exist on a single device.

[0024] In accordance with one embodiment, a patient uses a medical device **101** in connection with a medical therapy. As the patient uses the device, medical device **101** may collect usage data indicating the time and date of usage. In addition, server **201** may collect usage data **111** from patient device **101** by creating a set of data requests at CAL server **260**. In creating the data requests, CAL server **260** may access CAL database **232**, which contains a list of all patient devices that are currently assigned to patients. In turn, each data request created by CAL server **260** will correspond to a particular patient device and may request a specific set of usage data. CAL server **260** provides the data requests to Comm Server **240**, which may store the requests in a database such as Comm Database **231**.

[0025] Patient device **101** may be programmed to contact server **201** via network **150** at regular intervals, such as every a day or every week. When patient device **101** connects to server **201**, Comm server **240** accesses Comm database **231** to determine whether a data request exists for patient device **101**. If so, Comm server **240** transmits the data request to patient device **101**. Based on the data request, patient device **101** will access the usage data identified in the data request, and transmit the usage data to Comm server **240**.

[0026] Alternatively, a user of system **100**, such as a user of computer **102** may access server **201** via a website and request that server **201** to immediately transmit a request to patient device **101**. In another alternative, memory **112** may be taken from a medical device and placed into a computer, such as a desktop or other personal computer. A web browser on the computer may then be used to contact server **201** and upload usage data **111** to one or more of the server's databases.

[0027] The usage data provided to server **201** may identify the patient device from which it came and may be stored in a database, such as CAL database **232**. For example, each patient device **101** may be assigned a device ID, which is provided to server **201** along with the usage data. The usage data may then be stored by server **201** in a manner that associates the received usage data with the appropriate patient device.

[0028] In some instances, a patient is required to use a medical device at a particular rate in order to be eligible to claim a rebate for the medical device. For example, a patient who has been prescribed a flow generator for ventilation therapy will often be required to use the device at least four hours a day for at least **21** days in any **30** consecutive day period. System **100** may be used to track whether the patient has been compliant in using the device.

[0029] In accordance with one embodiment, ECO server **250** may access, by way of the CAL server, the usage data that has been stored in CAL database **232** and associate that usage data with a particular patient. In particular, ECO server **250** may so access CAL database **232** to acquire usage data for a device having a particular device ID. ECO server **250** may then determine what patient has been prescribed the medical device having that particular device ID. In addition, ECO server **250** automatically calculates whether the accessed usage data indicates that the patient has been compliant in using the medical device. For example, ECO server **250** may access the stored usage data for a particular medical device and calculate whether the device has been used at least four hours for at least 21 days in the last 30 consecutive day period. Such a calculation may be performed every time a new packet of usage data is received or upon a request.

[0030] The compliance criteria may vary based on the patient or the medical device. Accordingly, ECO database may contain a list indicating the specific compliance criteria for each patient and medical device. In calculating a patient's compliance, ECO server **250** may select the appropriate compliance criteria from the ECO database and then compare the usage data with the selected criteria over the required time period. The data corresponding to the compliance calculation may then be stored on server **201**, such as in ECO database **233**. In accordance with one embodiment, the compliance criteria may be set by a user of system **100**, such as a doctor or other healthcare professional. For example, the patient using device **101** may currently be required to use the device at least four hours a day for 24 of 30 consecutive days. However, a healthcare professional may use computer **102** to alter the compliance requirement, so that the patient must now use the device at least five hours a day for 21 of 30 days. Computer **102** may transmit the updated compliance criteria to server **201**, wherein it will be stored in a database, such as in ECO database **233**. In addition, the healthcare professional may indicate when the updated compliance criteria are to take effect. Accordingly, server **201** will use the updated compliance criteria in calculating the patient's beginning at the time period designated by the healthcare professional.

[0031] A healthcare professional may remotely monitor numerous medical device usage rates by contacting server **201** via a website accessed on computer **102**. For example, the healthcare professional may access the stored compliance data described above via website **200** shown in FIG. **2**. Website **200** may contain various search menus, such as menus **270***a-c*, which allow the healthcare professional to search for patients by name, doctor, insurance company, or any other patient information of interest. Once a healthcare provider has selected the desired search options within menus **270***a-c*, the healthcare professional's computer sends a transmission to the ECO server requesting data for all patients meeting the search criteria. ECO server will then provide data responsive to the request. For example, the data transmitted by the ECO server may include compliance data, e.g. in the form of compliance indication. Based on the data sent by the ECO server, website **200** automatically indicates whether each of the listed patients is currently compliant in meeting the required usage rate by providing a compliance icon, such as icons **274** and **278**. The compliance icon may take any form. For

example, the icon may be a "YES" to indicate compliance, or a "NO" to indicate noncompliance. Alternatively, the compliance icon may take the form of a check mark or an "X". As shown in FIG. **2**, check mark **274** indicates that John Doe is currently compliant in using his medical device, while the "X" mark of icon **278** indicates that Clark Kent is currently not compliant. In this way, healthcare professionals may quickly and easily determine the compliance of multiple patients without having to review the patients' usage data and without having to perform their own compliance calculations.

[0032] In addition to compliance indication, in the form of the compliance icons **274** and **278**, website **200** may also display other patient information, such the patient's doctor, insurance company, date of birth, social security number, or usage data. For example, website **200** may list the number of days for which a patient has been compliant during a predetermined time period. As shown in FIG. **2**, website **200** indicates that John Doe has used his medical device for 24 days, is seeing Doctor, A., and is insured by insurance company, AAA Co.

[0033] The compliance information, e.g. compliance indication, provided on website **200** may be dynamically updated by the ECO server as soon as additional compliance calculations are made, for example based on updated medical usage data. Returning to FIG. **1**, healthcare professional may review the compliance data associated with patient device **101** by logging into server **201** from computer **102**. During this review, server **201** may receive updated usage data **111** from patient device **101**. Upon receiving the updated usage data **111**, server **201** may automatically recalculate the patient's compliance data. The recalculated compliance data may then be dynamically updated on the website being displayed on computer **102**, as the healthcare professional reviews the patient's compliance data. For example, the compliance icon **274** of FIG. **2** indicates that Clark Kent is currently not compliant in using his medical device. However, while the healthcare professional reviews website **200**, icon **274** may be updated to a check mark upon server **201** of FIG. **1** receiving updated usage data indicating that Clark Kent is now compliant. In this way, website **200** may be dynamically updated with up-to-the-minute compliance data.

[0034] In accordance with one embodiment, website **200** may display the compliance icons as selectable links. This will allow a user of the website to generate a compliance report for one or more patients by a single click, such as on the compliance icon. For example, a user of website **200** may select compliance icon **274** using a cursor of other input device. Upon receiving a signal that one of the compliance icons on website **200** has been selected, the ECO server of FIG. **1** may generate and transmit a compliance report, such as report **300** of FIG. **3** or report **400** of FIG. **4**. Reports **300** and **400** may be of a predetermined format that allows the recipient of the compliance report to verify compliance by the medical device user for which the report was generated. Reports **300** and **400** may be transmitted as a word processor file or a PDF, which may be retransmitted from the healthcare professional to an insurance company or other reimbursing entity. As shown in FIG. **3**, Report **300** contains various patient information, including the patient's name, date of birth, sex, address, phone, number, or e-mail. In addition, any data collected from the patient's medical device may be displayed in report **300**, including any calculations that indicate compliance over the predetermined time period. For example, report **300** contains detailed compliance information, including the number of hours the patient used the device each day, the average usage for each day, the number of days that the usage was above or below a predetermined amount of time **320**, associated with compliance. The usage data may be presented in graphical form, such as graph **310**, which shows the days that the patient used the device and the days for which the usage was over the predetermined amount of time **320**. Report **300** may also contain information regarding the condition of the patient or the medical device during the patient's use of the medical device. In this way, the healthcare professional is able to identify any potential problems with the patient's therapy.

[0035] In addition to selecting individual compliance icons, website **200**, as shown in FIG. **2**, may contain icon **280**, which allows for a healthcare professional to generate multiple compliance reports for a particular set of patients. Menu **282** may be associated with icon **280** to allow the healthcare professional to select the type of patients for which a compliance report is to be printed. For example, a healthcare professional may use icon **280** and menu **282** to generate compliance reports for all currently displayed patients. In addition, menu **282** may allow for the generation of compliance reports for all patients who are currently compliant or, alternatively, for all patients who are non-compliant. In this way, the healthcare professional may quickly generate the needed compliance reports and may easily provide the generated compliance reports to a reimbursing entity.

[0036] Returning to FIG. **1**, a healthcare professional who accesses server **201** via computer **102** may provide the compliance reports, generated and transmitted by server **201** and received by computer **102**, to the respective reimbursing entity. This can be performed by transmitting the compliance reports from computer **102** to computer **103** via network **150**. The compliance report may be transmitted in any number of ways, including as part of an E-mail transmission. In addition, the reimbursing entity may send a request for compliance reports to either computer **102** or server **201**.

[0037] While the invention has been described in connection with what are presently considered to be the most practical and preferred embodiments, it is to be understood that the invention is not to be limited to the disclosed embodiments, but on the contrary, is intended to cover various modifications and equivalent arrangements included within the spirit and scope of the invention. Also, the various embodiments, e.g., aspects of one embodiment may be combined with aspects of another embodiment to realize yet other embodiments.

[0038] Also, the various embodiments described above may be implemented in conjunction with other embodiments, e.g., aspects of one embodiment may be combined with aspects of another embodiment to realize yet other embodiments. In addition, while the invention has particular application to patients suffering from OSA and diabetes, it is to be appreciated that patients suffering from other illnesses (e.g. congestive heart failure, morbid obesity, stoke, bariatric surgery, etc.) can derive benefit from the above teachings. Moreover, the above teachings have applicability with patients and non-patients alike in non-medical applications.

1. A method comprising:

receiving medical device usage data for a plurality of medical device users;

storing the usage data;

determining, with a processor, whether the plurality of medical device users are compliant, wherein compli-

ance is based on whether the received medical device usage data satisfies predetermined usage criteria;

receiving a request for compliance data for one or more of the medical device users; and

transmitting a compliance indication for each of the one or more medical device users, wherein the compliance indications are based on whether the one or more medical device users have been determined to be compliant.

2. The method of claim **1**, further comprising:

receiving a signal that one of the compliance indications has been selected by a user; and

transmitting a compliance report for the medical device user corresponding to the selected compliance indication, wherein the compliance report comprises usage data for the medical device user over a predetermined time period, and wherein the predetermined time period corresponds to the predetermined usage criteria.

3. The method of claim **1**, wherein the medical device is a flow generator used for respiratory therapy.

4. The method of claim **1**, further comprising:

receiving updated medical device usage data for at least one of the plurality of medical device users;

determining, with a processor, whether the at least one medical device user is compliant, wherein compliance is based on whether the updated usage data satisfies the predetermined usage criteria; and

dynamically updating the compliance indication for the at least one medical device user.

5. The method of claim **1** wherein the compliance indication is a selectable icon.

6. The method of claim **2**, wherein the compliance report is of a format that allows a reimbursing entity to accept the report as verification of compliance.

7. The method of claim **2**, wherein the compliance report contains a graphical indication of compliance.

8. An apparatus for managing medical device usage data comprising:

a memory configured to store medical usage data;

a processor in communication with the memory, the processor configured to:

receive medical device usage data for a plurality of medical device users;

determine whether the plurality of medical device users are compliant, wherein compliance is based on whether the received medical device usage data satisfies predetermined usage criteria;

receive a request for compliance data for one or more of the medical device users; and

transmit a compliance indication for each of the one or more medical device users, wherein the compliance indications are based on whether the one or more medical device users have been determined to be compliant.

9. The apparatus of claim **8**, wherein the processor is further configured to:

identify a signal that one of the compliance indications has been selected by a user; and

transmit a compliance report for the medical device user corresponding to the compliance indication, wherein the compliance report contains usage data for the medical device user over a predetermined time period, wherein the predetermined time period corresponds to the predetermined usage criteria.

10. The apparatus of claim **8**, wherein the medical device is a flow generator used for ventilation therapy.

11. The apparatus of claim **8**, wherein the received medical device usage data for each of the plurality of medical device users includes a device identifier, wherein the memory is further configured to store received device identifiers and wherein the processor is further configured to associate the medical device usage data with a medical device user based on received device identifiers.

12. The apparatus of claim **8**, wherein the processor is further configured to:

receive updated medical device usage data for at least one of the plurality of medical device users;

determine whether the at least one medical device user is compliant, wherein compliance is based on whether the updated usage data satisfies predetermined usage criteria; and

dynamically update the compliance indication for the at least one medical device user.

13. The apparatus of claim **8**, wherein the compliance indications are transmitted so as to be displayed as selectable icons.

14. The apparatus of claim **9**, wherein the compliance report is of a format that allows a reimbursing entity to accept the compliance report as verification of compliance.

15. The apparatus of claim **9**, wherein the compliance report contains a graphical indication of compliance.

16. A method comprising:

accessing a website for medical compliance information;

selecting, on the website, one or more medical device users for which compliance information is sought; and

receiving a compliance indication for each of the one or more selected medical device users, wherein the compliance indications vary depending on whether the one or more medical device users have been determined to be compliant, based on medical device usage data and a predetermined usage criteria.

17. The method of claim **16**, further comprising:

selecting one of the received compliance indications; and

receiving a compliance report for the medical device user corresponding to the selected compliance indication, wherein the compliance report contains usage data for the medical device user over a predetermined time period corresponding to the predetermined usage criteria.

18. The method of claim **16**, further comprising:

receiving a dynamically updated compliance indication for at least one selected medical device user, wherein the updated compliance indication is based on updated medical usage data of the at least one selected medical device user.

19. The method of claim **16**, wherein the compliance indications are displayed as selectable icons.

20. The method of claim **17**, wherein the compliance report is of a format that allows a reimbursing entity to accept the compliance report as verification of compliance.

21. The method of claim **17**, wherein the compliance report is one of a word processing file and a PDF.

22. The method of claim **16** further comprising:

selecting a set of medical device users for which a compliance report is sought;

receiving compliance reports for one or more of the medical device users from the set of medical device users; and

transmitting the received compliance reports to a reimbursing entity.

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