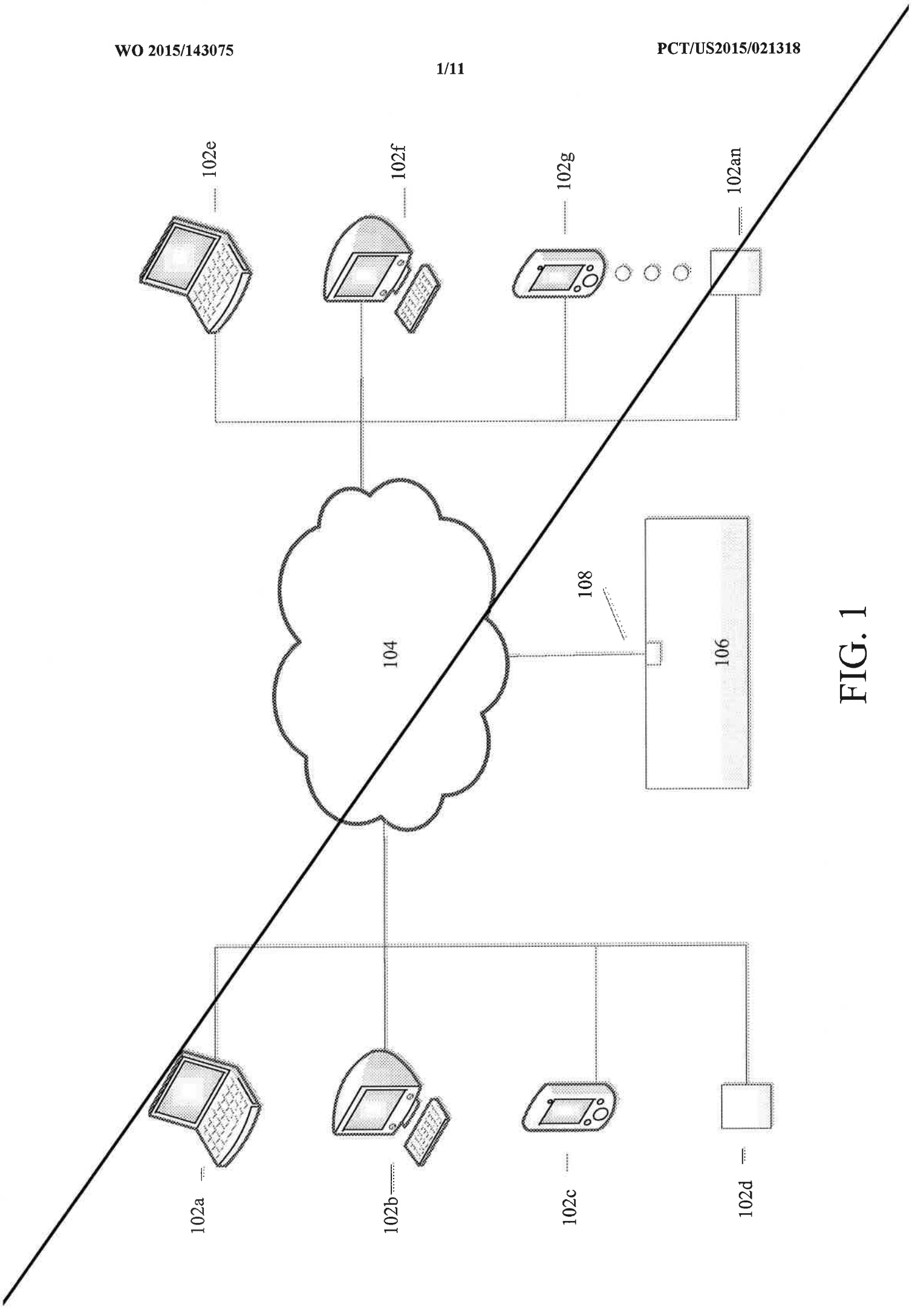


FIG. 1

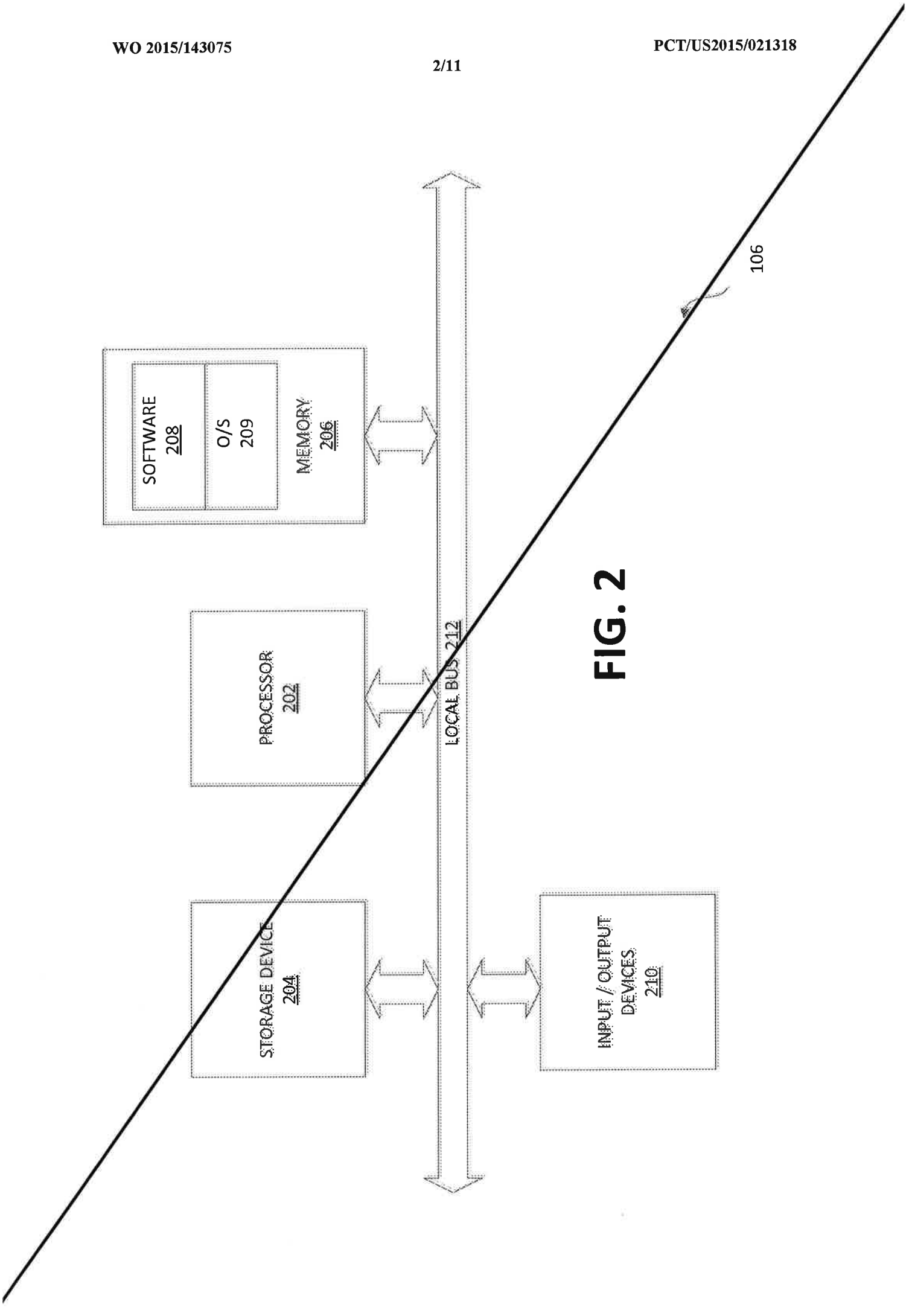

106
SOFTWARE
208
O/S
209
MEMORY
206
PROCESSOR
202
LOCAL BUS 212
STORAGE DEVICE
204
INPUT / OUTPUT
DEVICES
210

FIG. 2

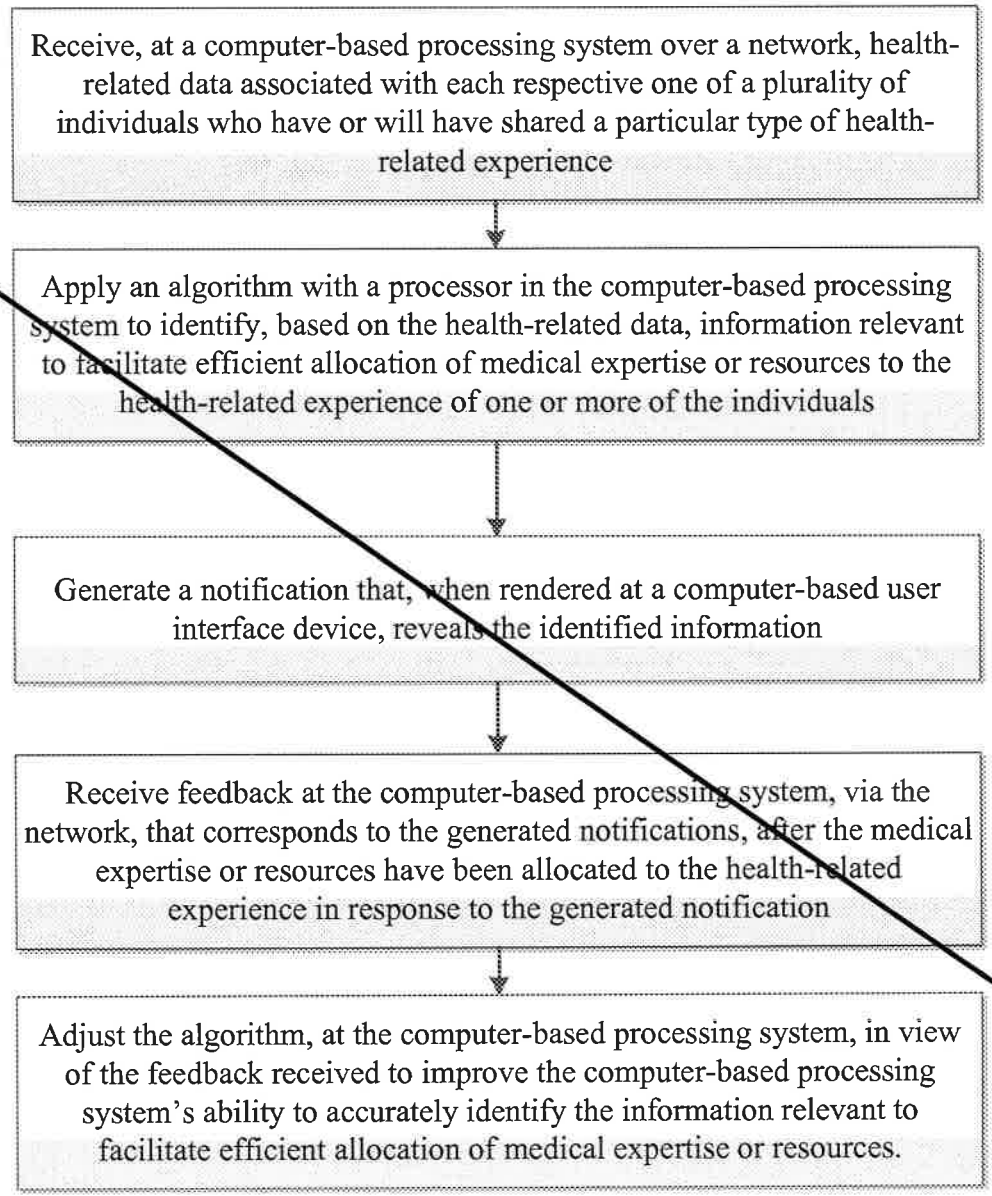

Receive, at a computer-based processing system over a network, health-related data associated with each respective one of a plurality of individuals who have or will have shared a particular type of health-related experience
302
Apply an algorithm with a processor in the computer-based processing system to identify, based on the health-related data, information relevant to facilitate efficient allocation of medical expertise or resources to the health-related experience of one or more of the individuals
304
Generate a notification that, when rendered at a computer-based user interface device, reveals the identified information
306
Receive feedback at the computer-based processing system, via the network, that corresponds to the generated notifications, after the medical expertise or resources have been allocated to the health-related experience in response to the generated notification
308
Adjust the algorithm, at the computer-based processing system, in view of the feedback received to improve the computer-based processing system's ability to accurately identify the information relevant to facilitate efficient allocation of medical expertise or resources.
310

FIG. 3

Mr. Doe might benefit from follow-up medical treatment

FIG. 4A

Alert: Call your doctor.

FIG. 4B

Here is a subset of clinical trial participants who are strong responders, and here is a combination of genetic and blood chemistry biomarkers for each of those participants:
xxxx yyyy
xxxx yyyy
Xxxx yyyy

FIG. 4C

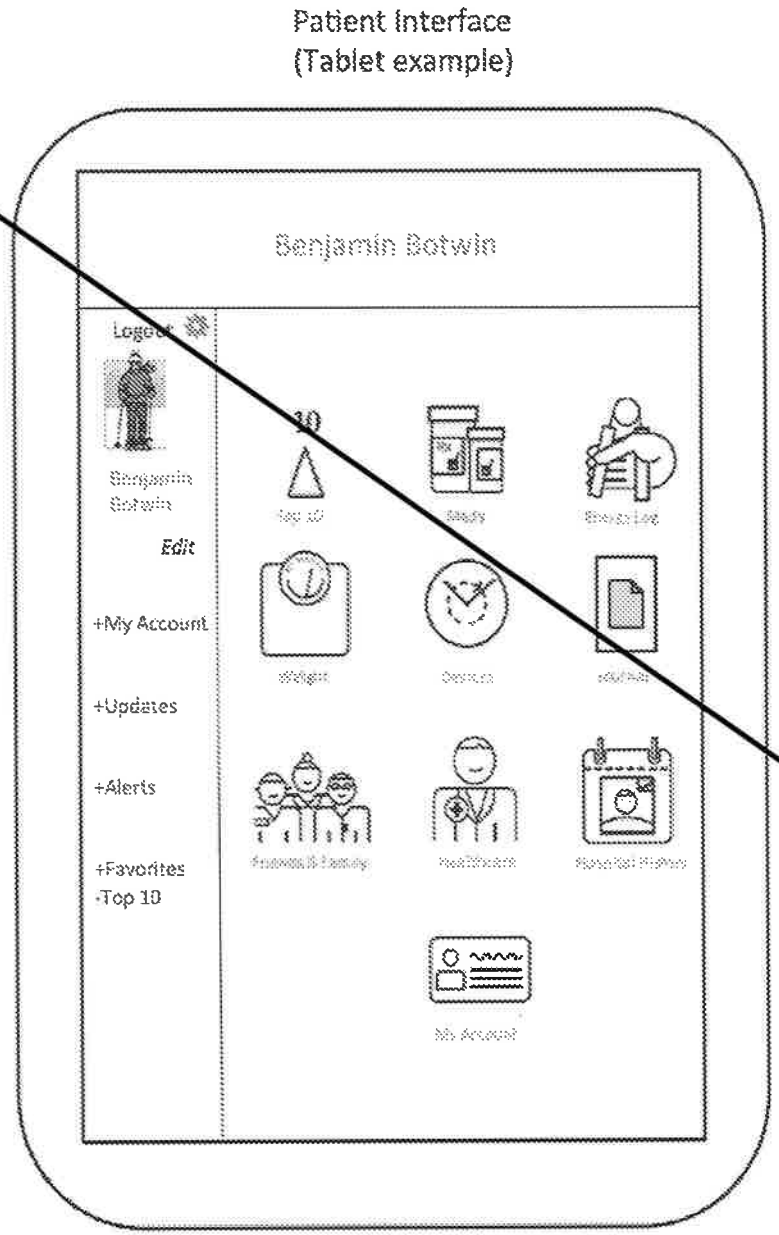

Patient Interface
(Tablet example)
Benjamin Botwin
Logout
Benjamin
Botwin
Edit
+My Account
+Updates
+Alerts
+Favorites
-Top 10
10

FIG. 5A

Patient Interface
Benjamin Botwin
Logout
Benjamin Botwin
Edit
+My Account
+Updates
+Alerts
+Favorites
My Log 10
In the last 24 hours,
1. Have you taken all prescribed medications with no side effects?
( ) No, I missed 1 or more doses
( ) Yes, I took all medications
( ) Side Effects:
describe side effects in detail
2. Have you experienced pain?
( ) No, I did not experience pain
( ) Yes, I have experienced pain
( ) Describe the pain:
describe where it hurts, when it started
3. Did you have a fever?
( ) No, I did not have a fever
( ) Yes, I had a fever
( ) Describe your fever:
describe temperature, when it started

FIG. 5B

Caregiver Interface

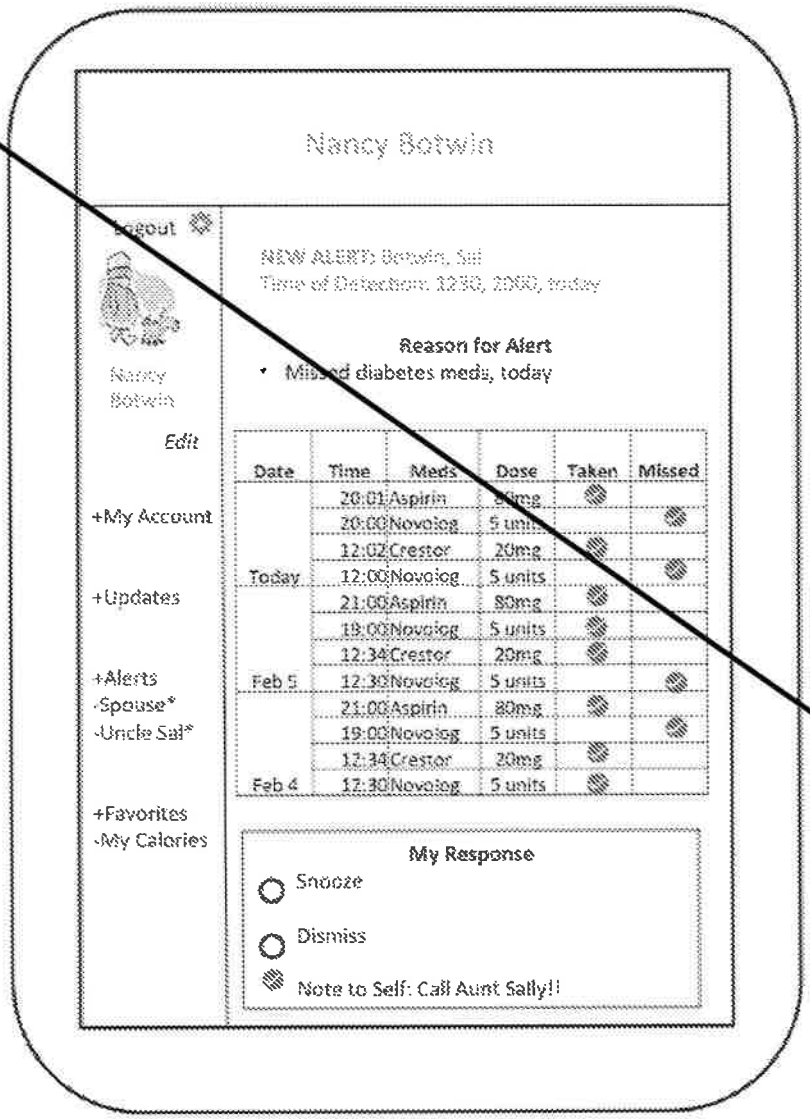


FIG. 5C

Healthcare Provider Interface
All Saints Hospital
Logout
Dr. Tim
Daisy
PCP
Edit
+Updates
+Alerts
-Botwin, B*
-Solo, H*
+No Alerts
-Azo, M
-Beck, J
-Zales, E
+Favorites
-Dashboard 1
-Dashboard 2
Reason for Alert
Gained 5 pounds in 10 days
Patient notes breathlessness
ER for CHF, 01/31/2014
Weight
My Response
Snooze
Dismiss
Note to Staff: Mel, call patient

FIG. 5D

Hospital Dashboard Interface
All Saints Hospital
Logout
Reason for Alert
High MRSA infections in Geriatrics, today
Wards
My Response
Snooze
Dismiss
Note to Staff: Nate, get Geriatrics Attending on phone ASAP
+Updates
+Alerts
. Geriatrics*
+No Alerts
. ER
. Peds
. Onco
+Favorites
. Dashboard A
. Dashboard B

FIG. 5E

Clinical Trial Dashboard
Alzheimer's Trial AD550
Logout
Monitor
Edit
+Updates
+Alerts
· Dallas*
· Houston*
+No Alerts
· Los Angeles
· New York
· Phoenix
· San Fran
+Favorites
·Dashboard A
·Dashboard B
Reason for Alert
High % of patients not compliant
Patient journals' high frequency words:
pills smell funny, meds smell sweet
Enrolled Cities
My Response
Snooze
Dismiss
Note: Alert Trial Safety Board for possible safety, shipping problems in Texas.

FIG. 5F

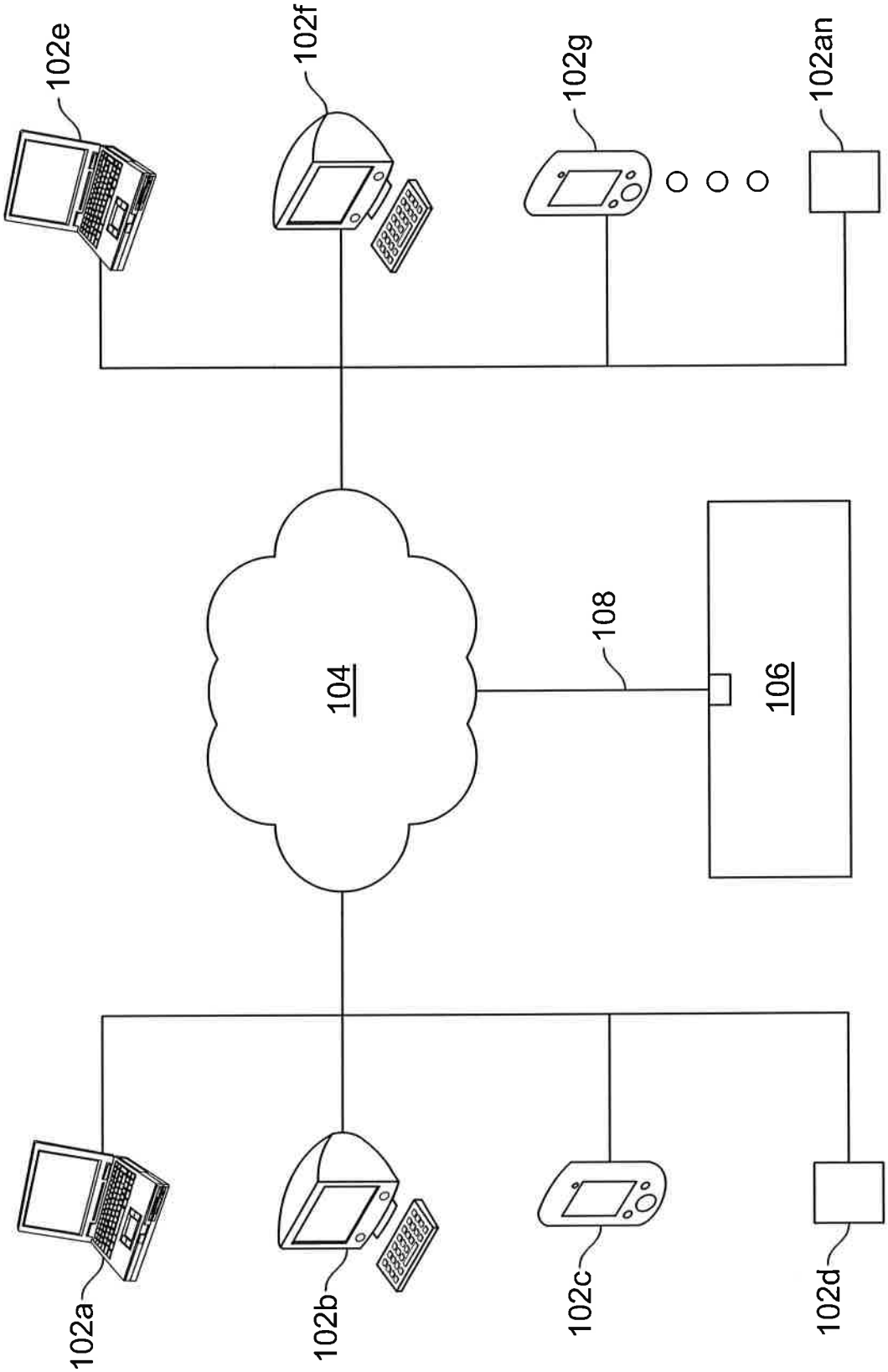


FIG. 1

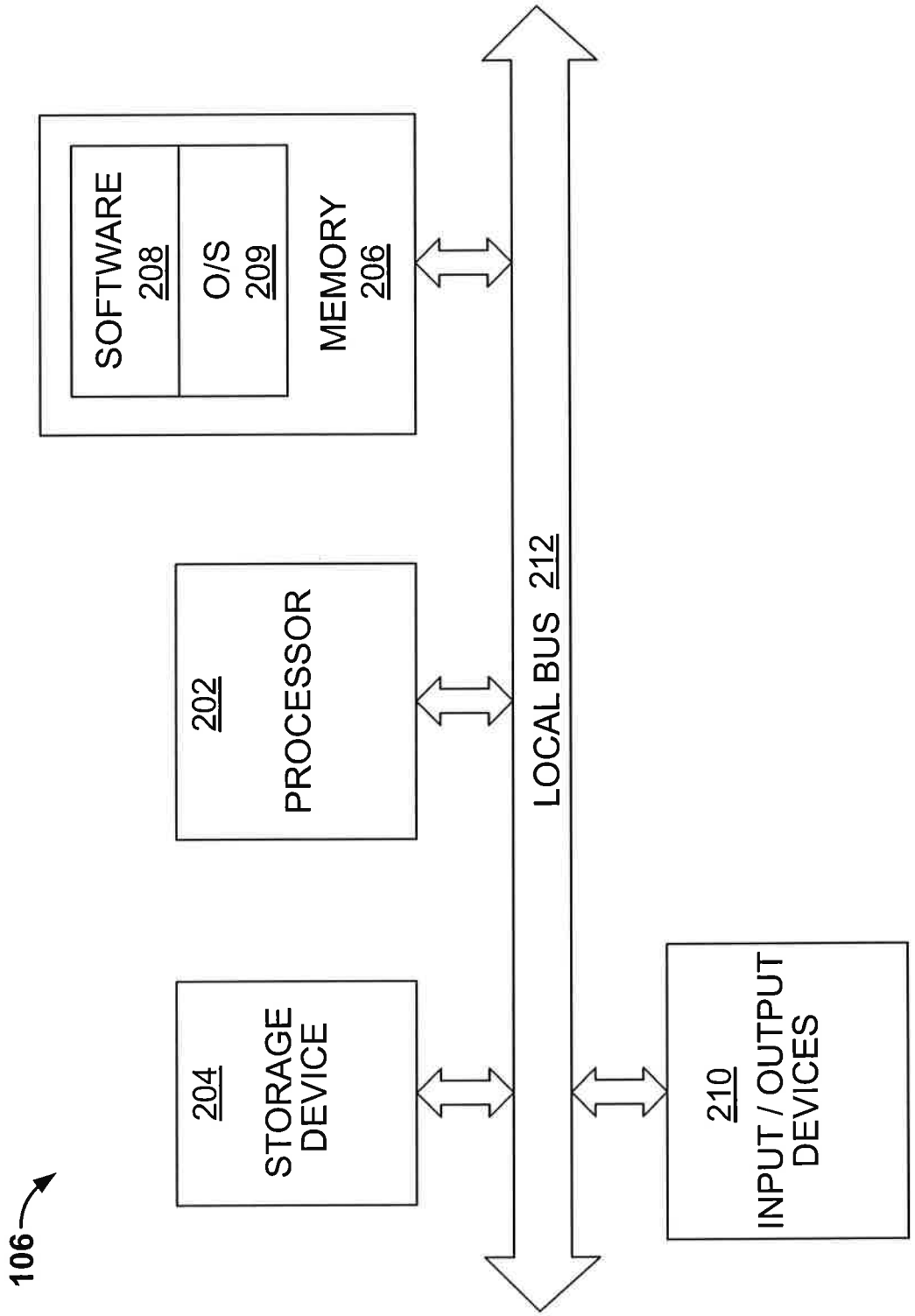

106
204
STORAGE DEVICE
202
PROCESSOR
LOCAL BUS 212
SOFTWARE 208
O/S 209
MEMORY 206
210
INPUT / OUTPUT DEVICES

FIG. 2

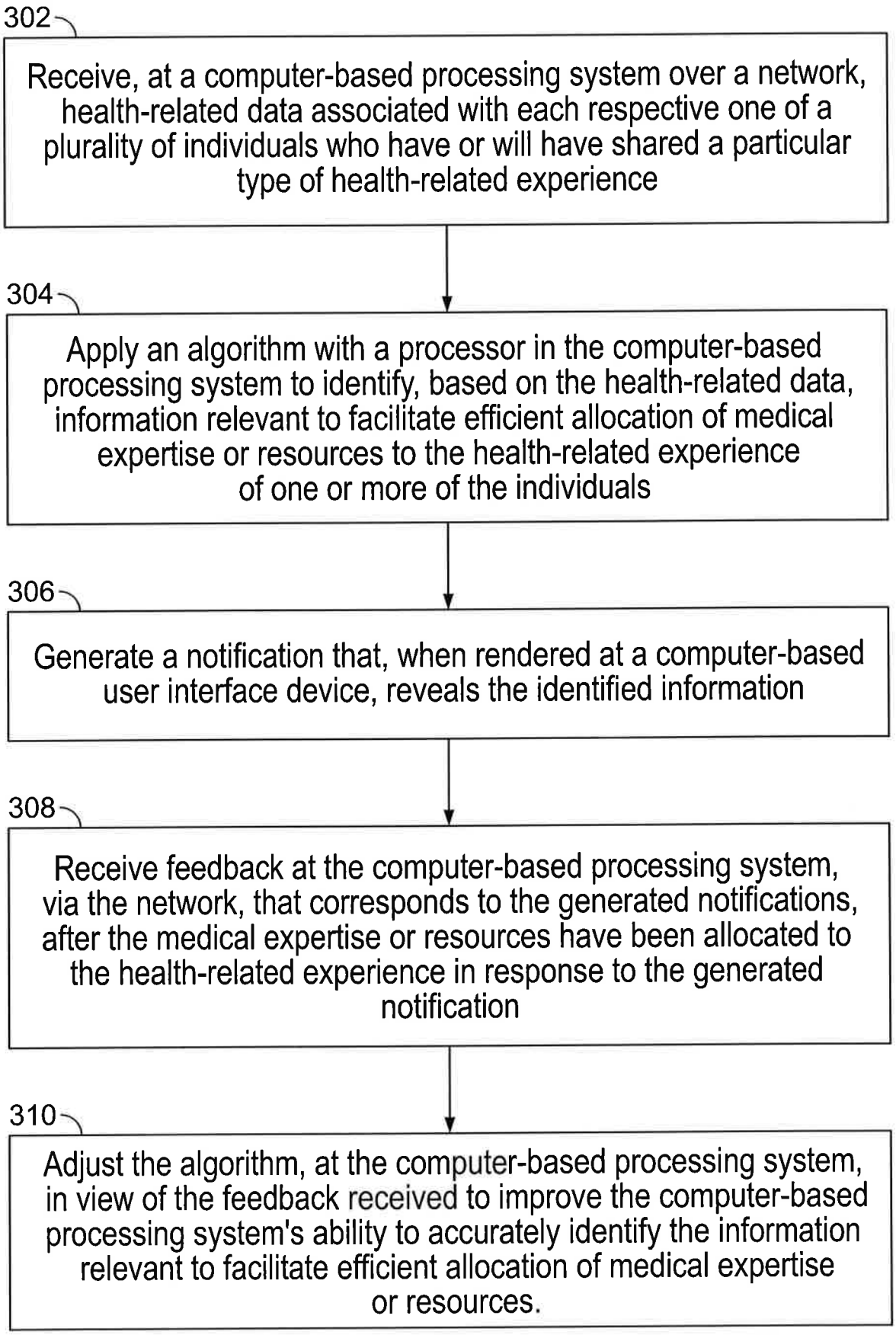

302
Receive, at a computer-based processing system over a network, health-related data associated with each respective one of a plurality of individuals who have or will have shared a particular type of health-related experience
304
Apply an algorithm with a processor in the computer-based processing system to identify, based on the health-related data, information relevant to facilitate efficient allocation of medical expertise or resources to the health-related experience of one or more of the individuals
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Receive feedback at the computer-based processing system, via the network, that corresponds to the generated notifications, after the medical expertise or resources have been allocated to the health-related experience in response to the generated notification
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Adjust the algorithm, at the computer-based processing system, in view of the feedback received to improve the computer-based processing system's ability to accurately identify the information relevant to facilitate efficient allocation of medical expertise or resources.

FIG. 3

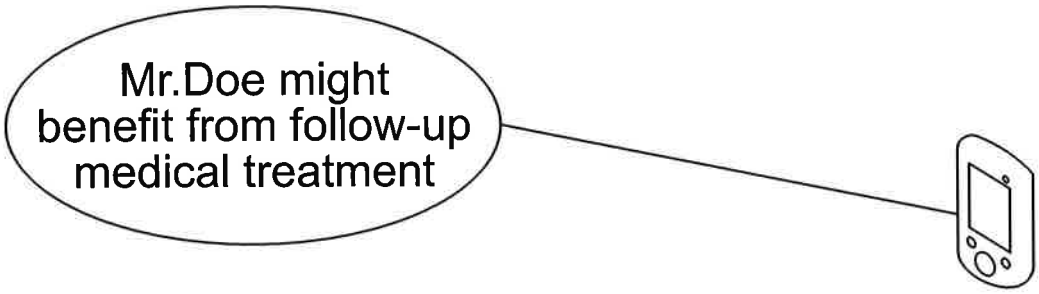

Mr.Doe might benefit from follow-up medical treatment

FIG. 4A

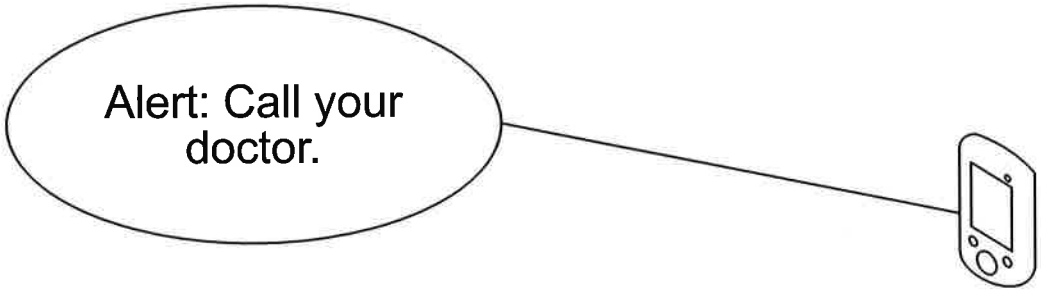

Alert: Call your doctor.

FIG. 4B

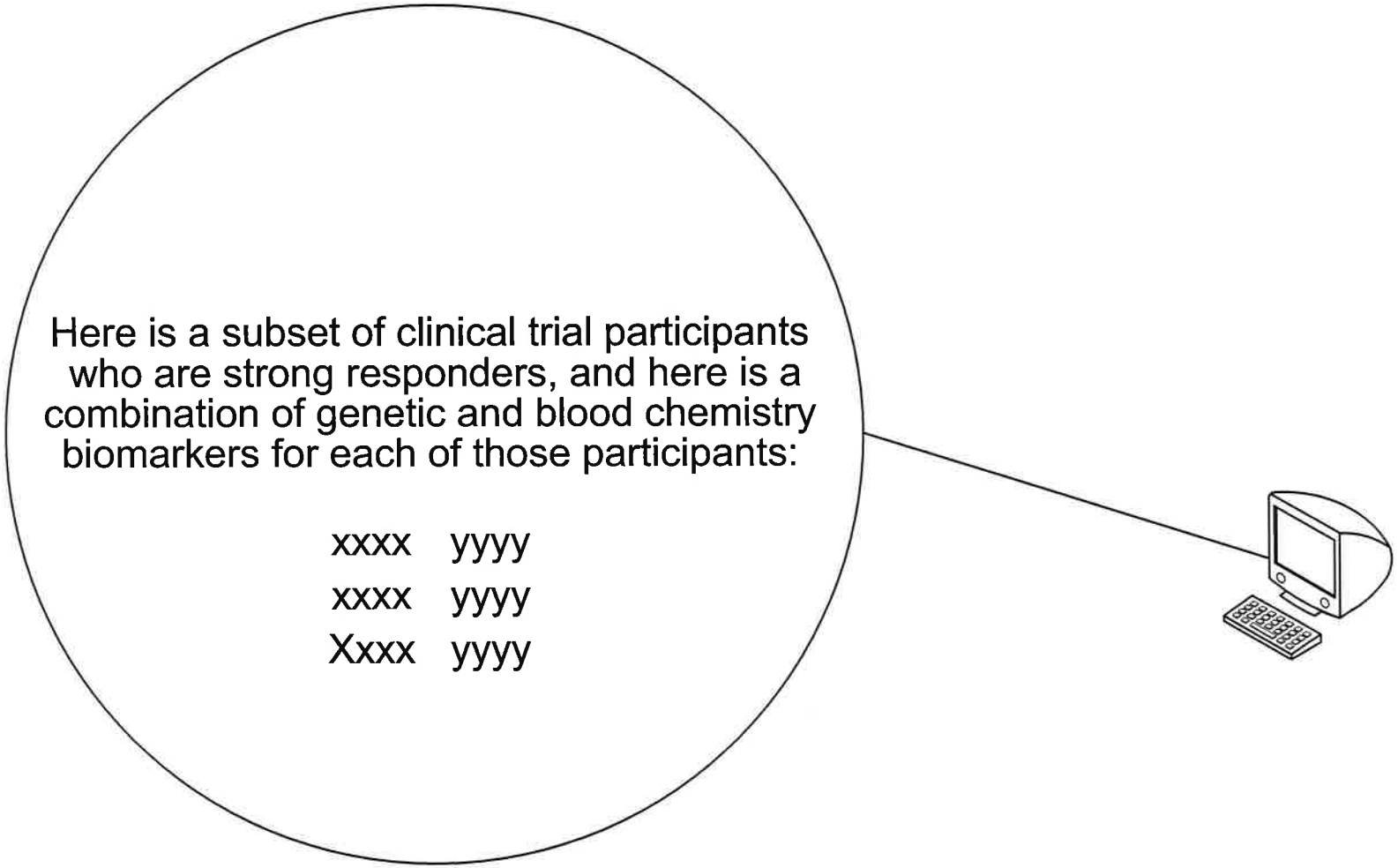

Here is a subset of clinical trial participants who are strong responders, and here is a combination of genetic and blood chemistry biomarkers for each of those participants:
xxxx yyyy
xxxx yyyy
Xxxx yyyy

FIG. 4C

Patient Interface
(Tablet example)

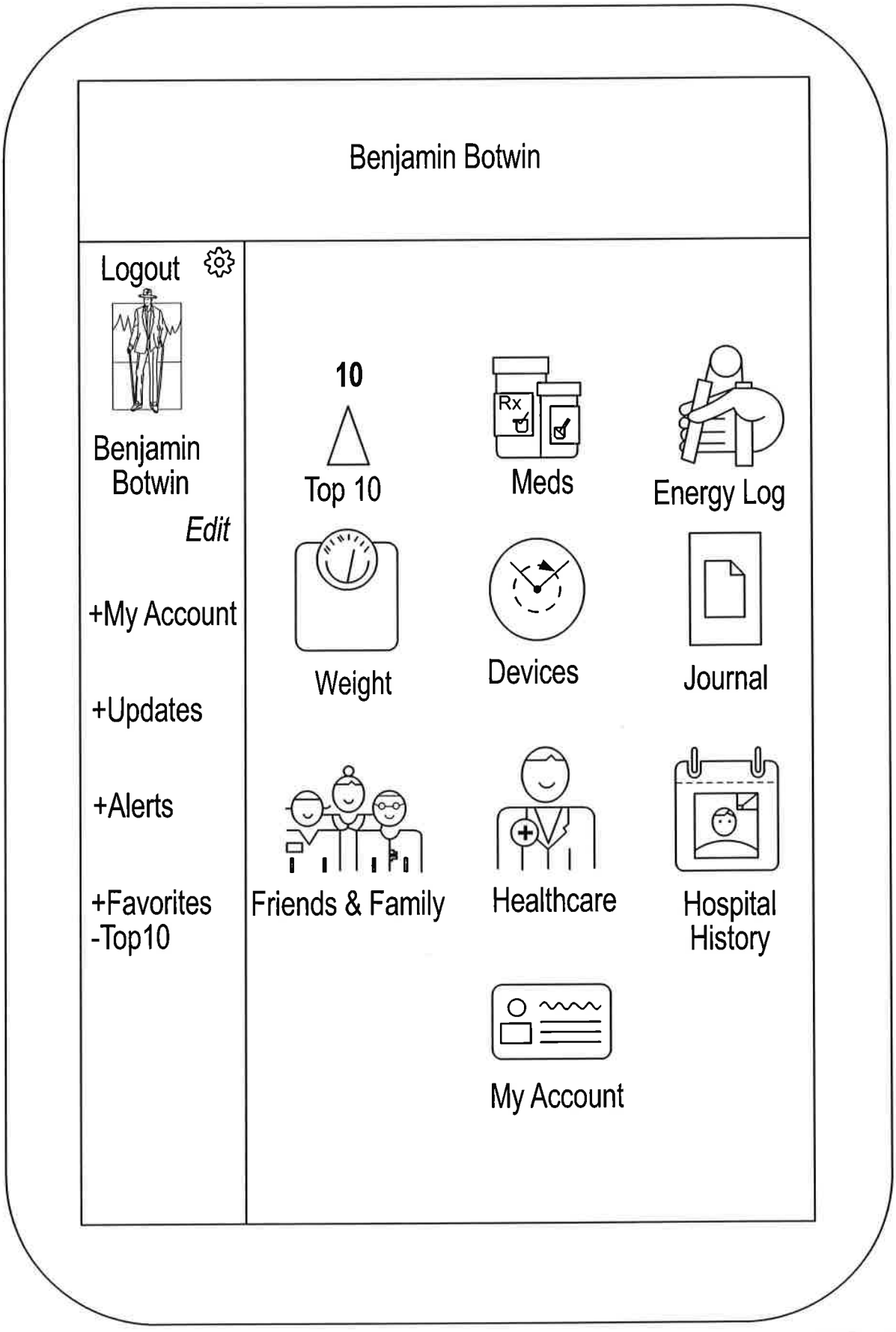


FIG. 5A

Patient Interface

Benjamin Botwin

Logout



Benjamin Botwin

Edit

+My Account

+Updates

+Alerts

+Favorites

My Top 10

In the Last 24 hours,

1. Have you taken all prescribed medications with no side effects?
( ) No, I missed 1 or more doses
( ) Yes, I took all medications
( ) Side Effects:

describe side effects in detail

2. Have you experienced pain?
( ) No, I did not experience pain
( ) Yes, I have experienced pain
( ) Describe the pain:

describe where it hurts, when it started

3. Did you have a fever?
( ) No, I did not have a fever
( ) Yes, I had a fever
( ) Describe your fever:

describe temperature, when it started

FIG. 5B

Caregiver Interface

Nancy Botwin

Logout



Nancy Botwin

Edit

+My Account

+Updates

+Alerts
-Spouse*
-Uncle Sal*

+Favorites
-My Calories

NEW ALERT: Botwin, Sal
Time of Detection: 1230, 2000, today

Reason for Alert

- Missed diabetes meds, today

Date	Time	Meds	Dose	Taken	Missed
Today	20:01	Aspirin	80mg	⊘	
	20:00	Novolog	5 Units		⊘
	12:02	Crestor	20mg	⊘	
	12:00	Novolog	5 Units		⊘
Feb 5	21:00	Aspirin	80mg	⊘	
	19:00	Novolog	5 Units	⊘	
	12:34	Crestor	20mg	⊘	
	12:30	Novolog	5 Units		⊘
Feb 4	21:00	Aspirin	80mg	⊘	
	19:00	Novolog	5 Units		⊘
	12:34	Crestor	20mg	⊘	
	12:30	Novolog	5 Units	⊘	

My Response

- ○ Snooze
- ○ Dismiss
- ⊘ Note to Self: Call Aunt Sally!!

FIG. 5C

Healthcare Provider Interface

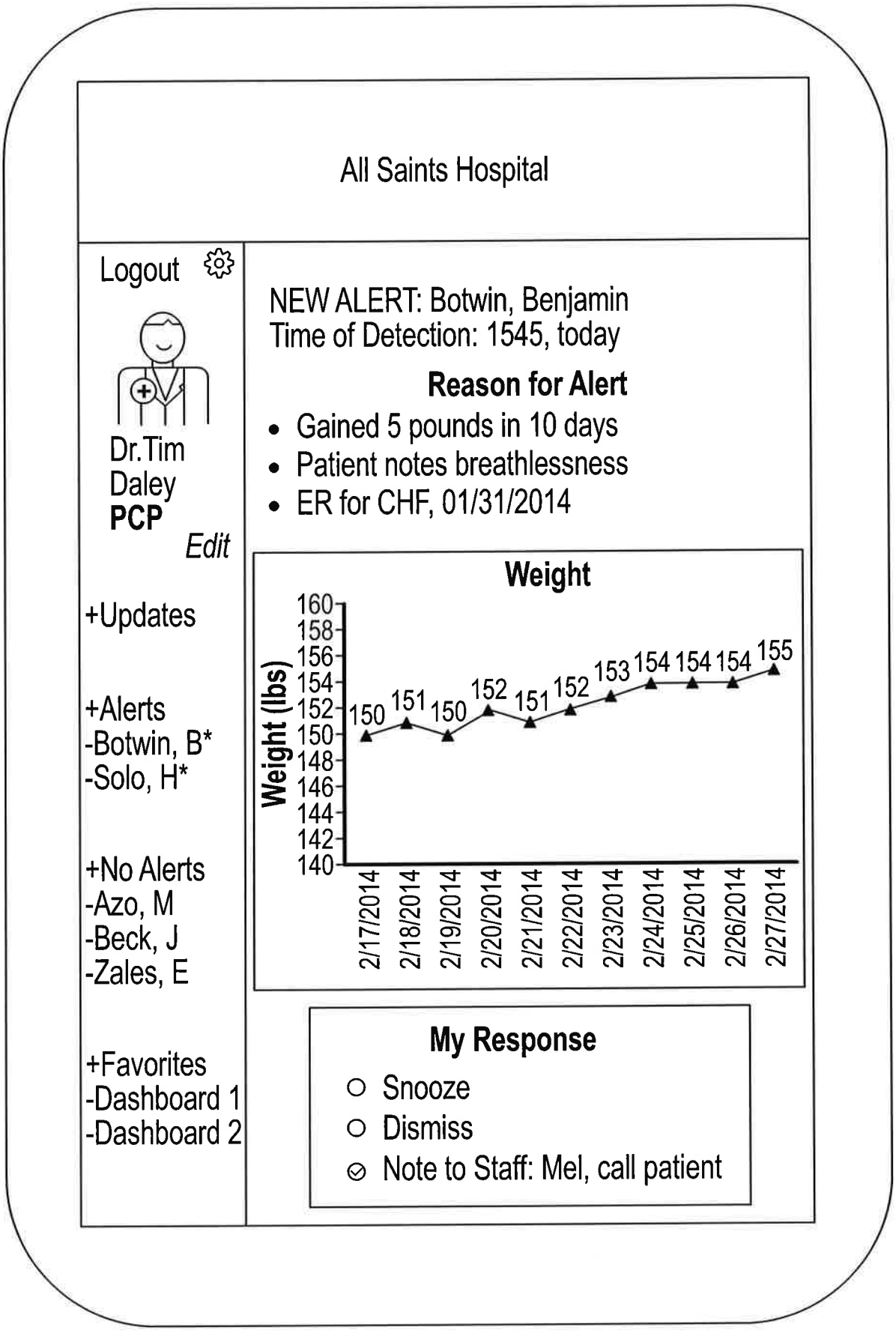


FIG. 5D

Hospital Dashboard Interface

All Saints Hospital

Logout



Sally
Lane, MD
CEO
Edit

+Updates

+Alerts
-Geriatrics*

+No Alerts
-ER
-Peds
-Onco

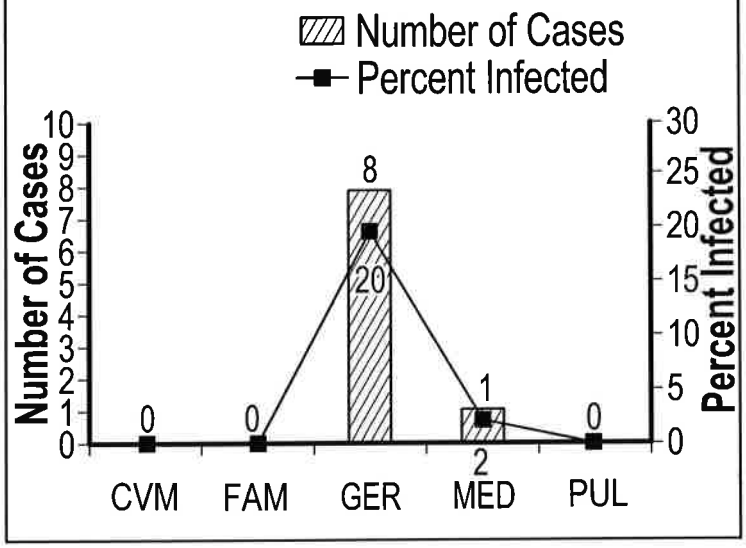
+Favorites
-Dashboard A
-Dashboard B

NEW ALERT: Geriatrics
Time of Detection: 1800, today

Reason for Alert

- High MRSA infections in Geriatrics, today

Wards



My Response

- ○ Snooze
- ○ Dismiss
- ⊘ Note to Staff: Nate, Get Geriatrics Attending on Phone ASAP.

FIG. 5E

Clinical Trial Dashboard

Alzheimer's Trial AD590

Logout



Jaime
Kane, MD
Monitor

Edit

+Updates

+Alerts
-Dallas*
-Houston*

+No Alerts
-Los Angeles
-New York
-Phoenix
-San Fran

+Favorites
-Dashboard A
-Dashboard B

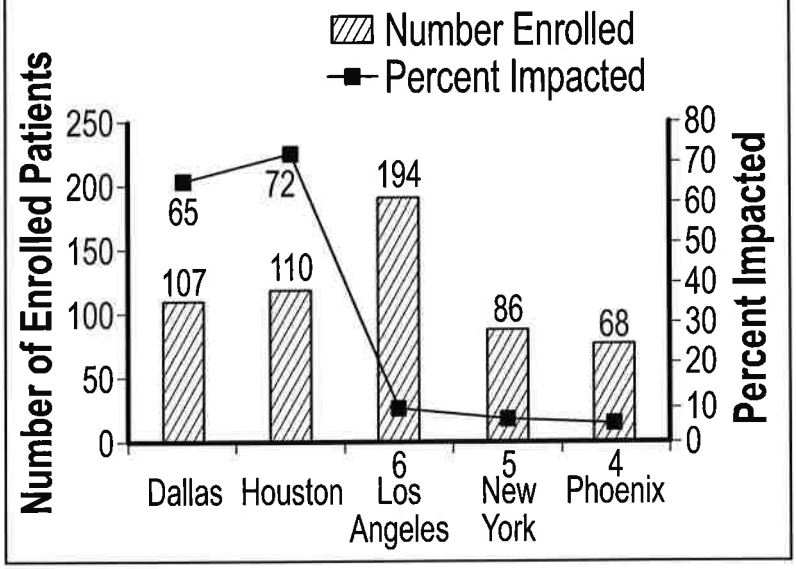
NEW ALERT: Texas
Time of Detection: 1800, today

Reason for Alert

- High % of patients not compliant
- Patient journals' high frequency words:

pills smell funny, meds smell sweet

Enrolled Cities



My Response

- ○ Snooze
- ○ Dismiss
- ⊘ Note: Alert Trial Safety Board for possible safety, shipping problems in Texas.

FIG. 5F