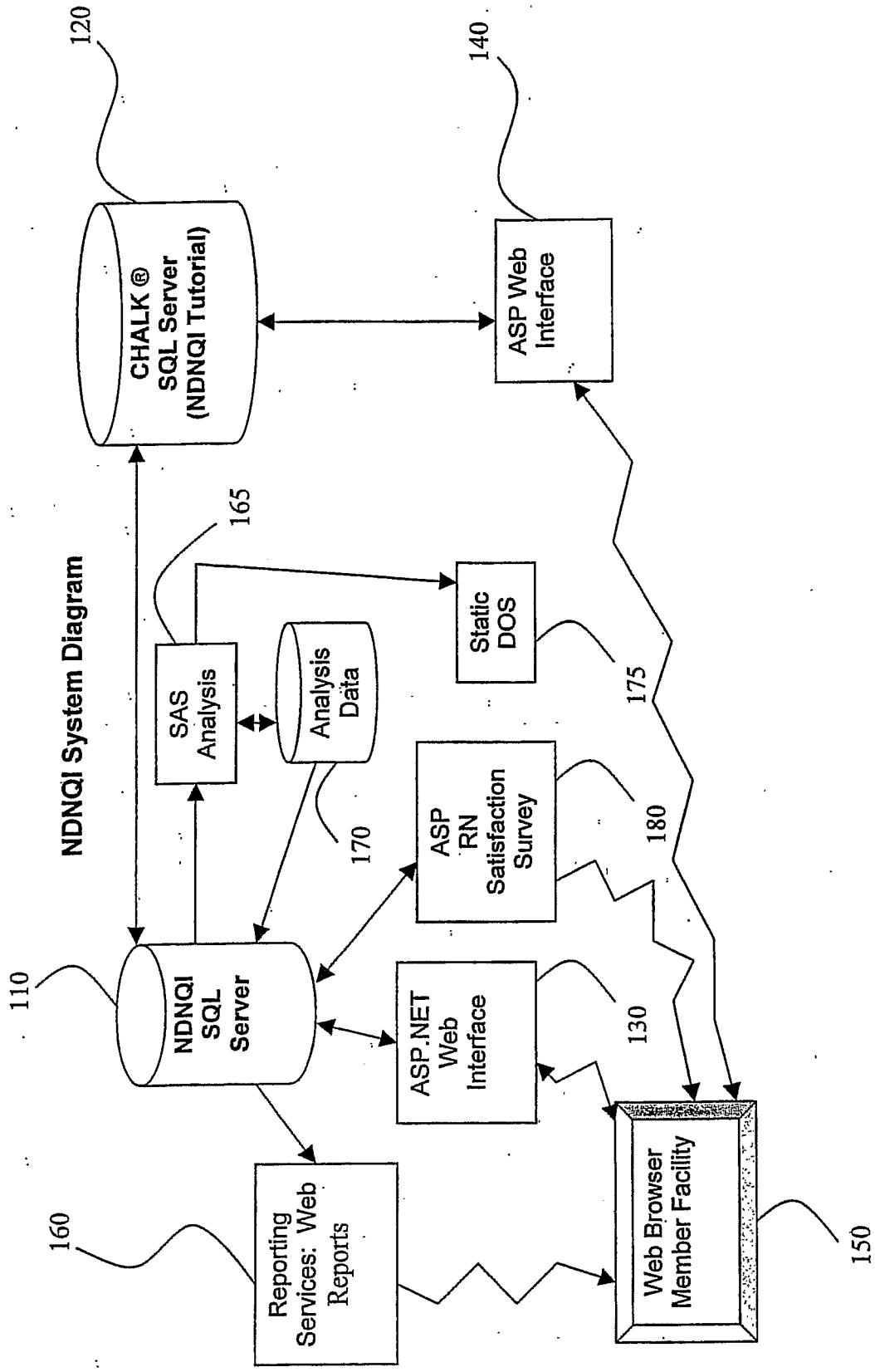
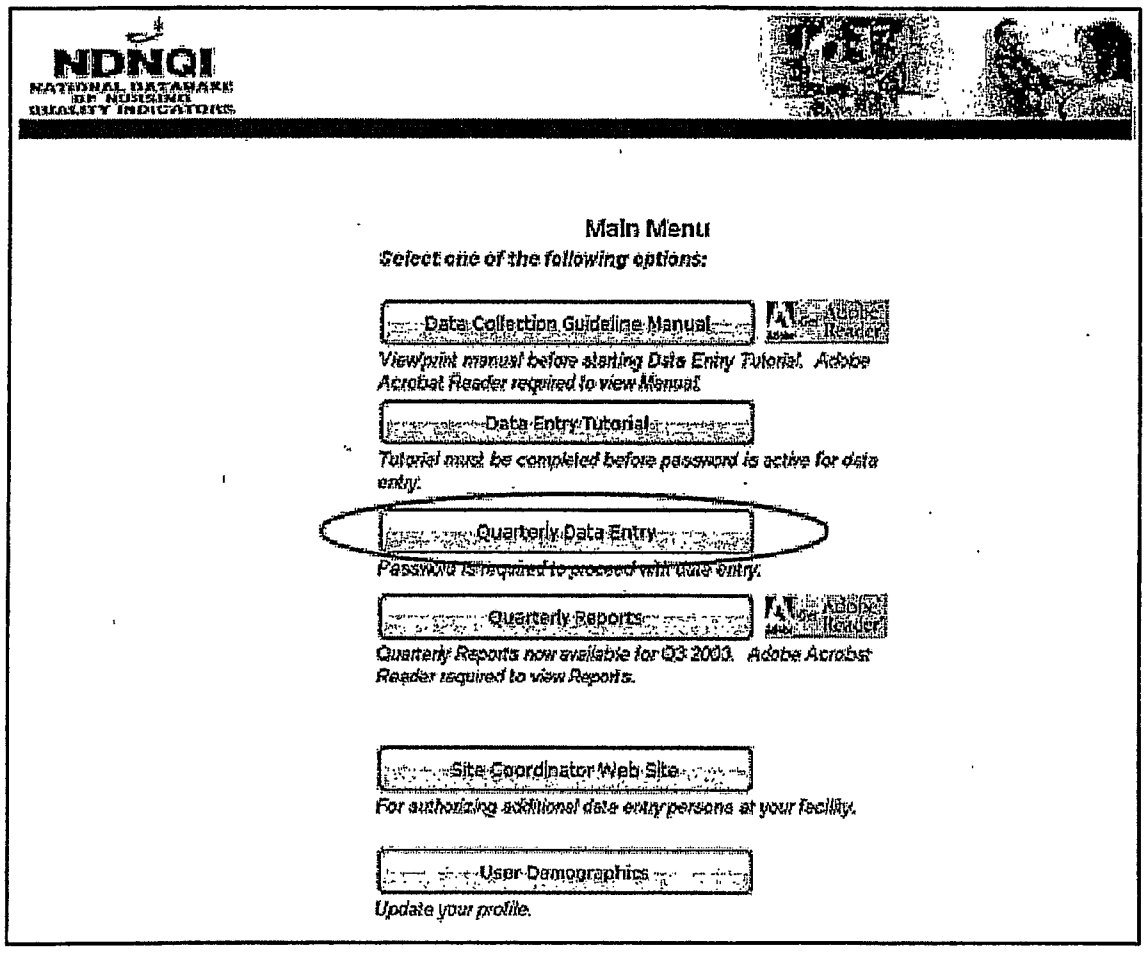

NDNQI System Diagram
CHALK ® SQL Server (NDNQI Tutorial)
120
ASP Web Interface
140
SAS Analysis
Analysis Data
165
Static DOS
175
ASP RN Satisfaction Survey
180
170
NDNQI SQL Server
110
ASP.NET Web Interface
130
Reporting Services: Web Reports
160
Web Browser Member Facility
150

FIG. 1


NDNQI
NATIONAL DATABASE OF NURSING QUALITY INDICATORS
Main Menu
Select one of the following options:
Data Collection Guideline Manual
Viewlpint manual before starting Data Entry Tutorial. Adobe Acrobat Reader required to view Manual.
Data Entry Tutorial
Tutorial must be completed before password is active for data entry.
Quarterly Data Entry
Password is required to proceed with data entry.
Quarterly Reports
Quarterly Reports now available for Q3 2003. Adobe Acrobat Reader required to view Reports.
Site Coordinator Web Site
For authorizing additional data entry persons at your facility.
User Demographics
Update your profile.

200

FIG. 2

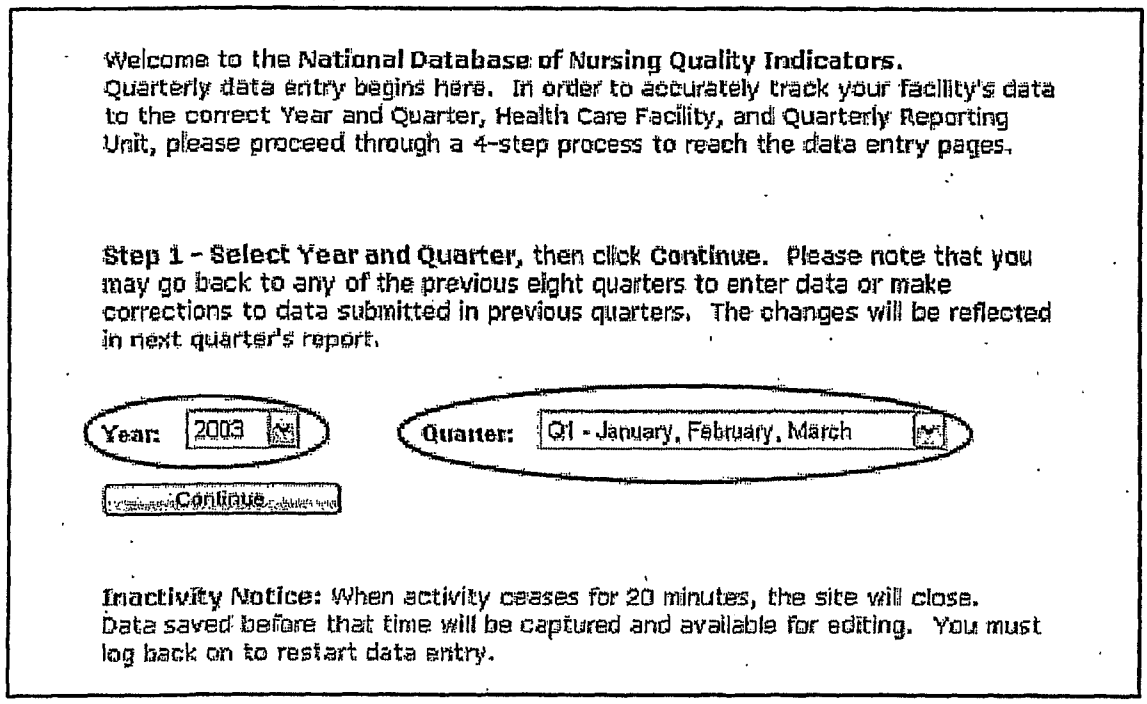
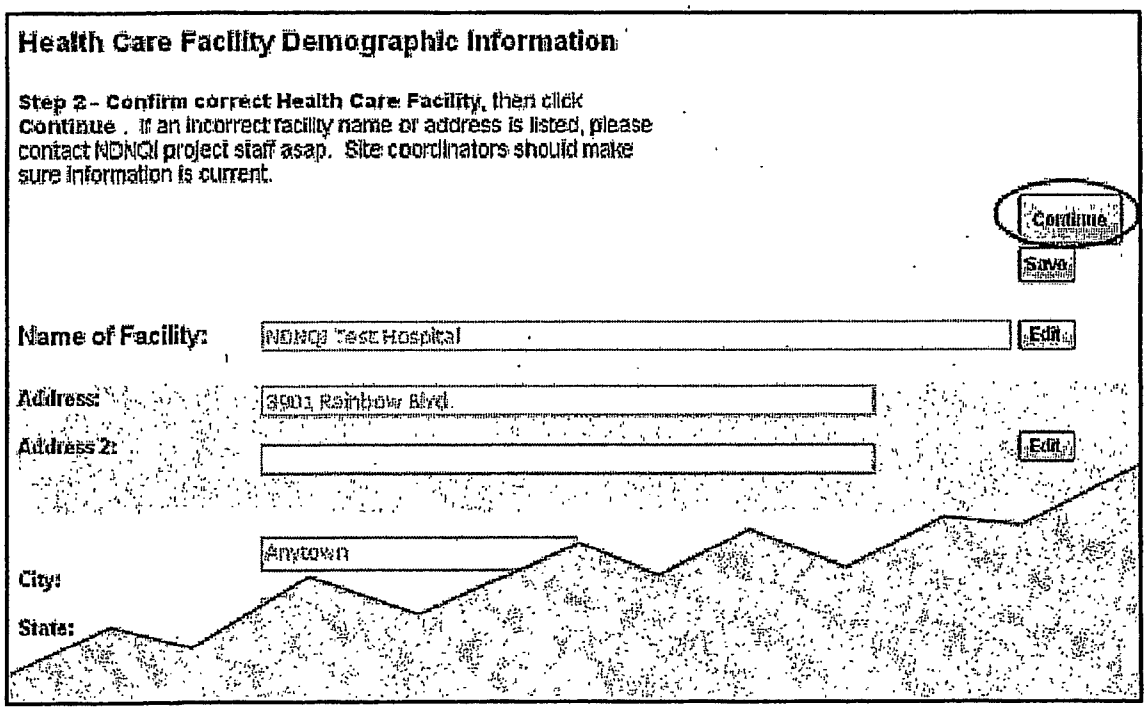
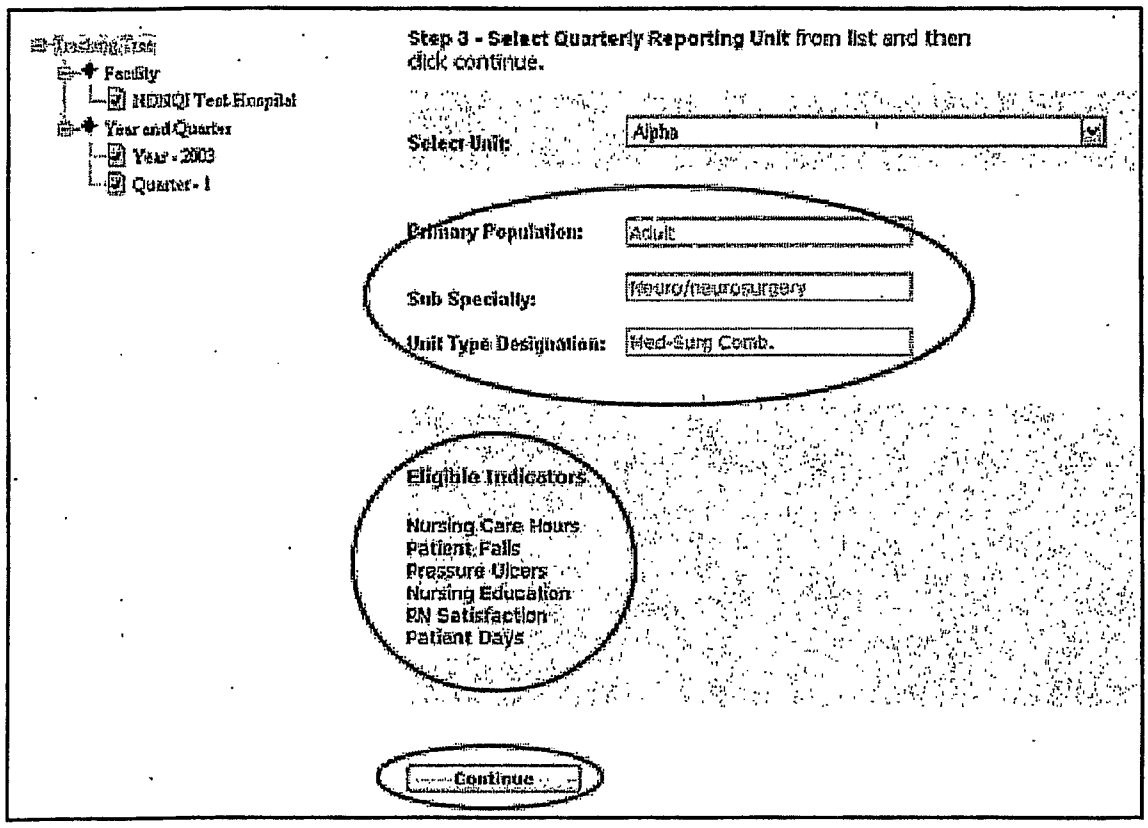

Welcome to the National Database of Nursing Quality Indicators.
Quarterly data entry begins here. In order to accurately track your facility's data to the correct Year and Quarter, Health Care Facility, and Quarterly Reporting Unit, please proceed through a 4-step process to reach the data entry pages.
Step 1 - Select Year and Quarter, then click Continue. Please note that you may go back to any of the previous eight quarters to enter data or make corrections to data submitted in previous quarters. The changes will be reflected in next quarter's report.
Year: 2003
Quarter: Q1 - January, February, March
Continue
Inactivity Notice: When activity ceases for 20 minutes, the site will close. Data saved before that time will be captured and available for editing. You must log back on to restart data entry.
300

FIG. 3


Health Care Facility Demographic Information
Step 2 - Confirm correct Health Care Facility, then click Continue . If an incorrect facility name or address is listed, please contact NDNQI project staff asap. Site coordinators should make sure information is current.
Continue
Save
Name of Facility:
NDNQI Test Hospital
Edit
Address:
3901 Rainbow Blvd.
Address 2:
Edit
Anytown
City:
State:

400

FIG. 4


Tracking Tree
Facility
HDINQI Test Hospital
Year and Quarter
Year - 2003
Quarter - 1
Step 3 - Select Quarterly Reporting Unit from list and then click continue.
Select Unit:
Alpha
Primary Population:
Adult
Sub Specialty:
Neuro/neurosurgery
Unit Type Designation:
Med-Surg Comb.
Eligible Indicators
Nursing Care Hours
Patient Falls
Pressure Ulcers
Nursing Education
RN Satisfaction
Patient Days
Continue

500

FIG. 5

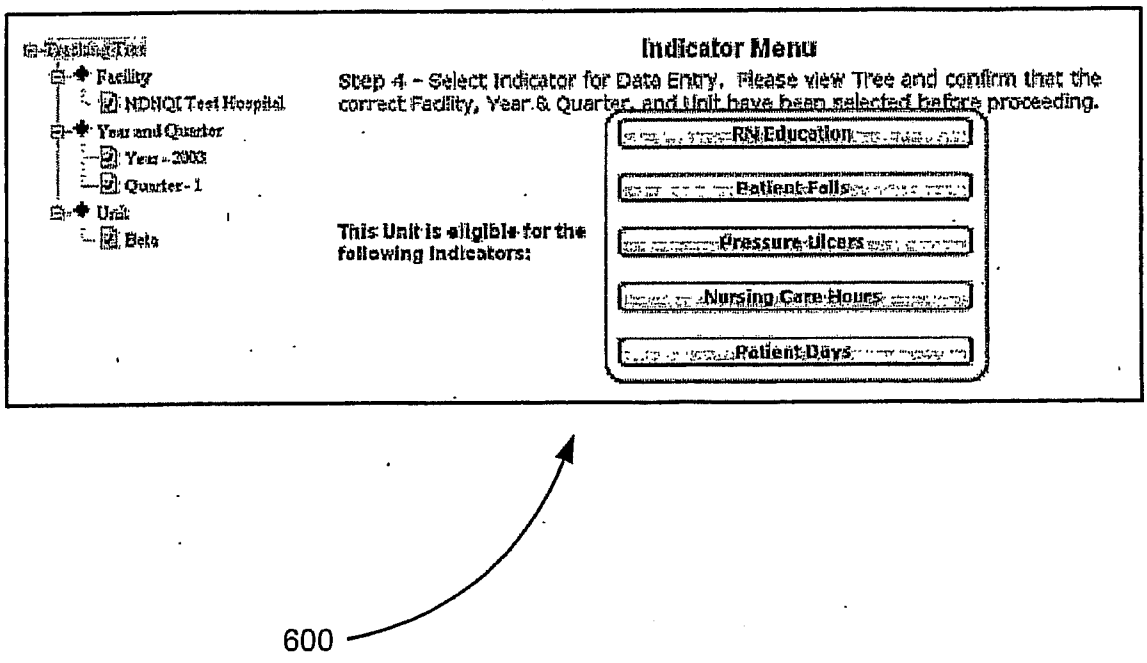

Facility
NDNQI Test Hospital
Year and Quarter
Year - 2003
Quarter - 1
Unit
Beta
Indicator Menu
Step 4 - Select Indicator for Data Entry. Please view Tree and confirm that the correct Facility, Year & Quarter, and Unit have been selected before proceeding.
This Unit is eligible for the following indicators:
RN Education
Patient Falls
Pressure Ulcers
Nursing Care Hours
Patient Days
600

FIG. 6

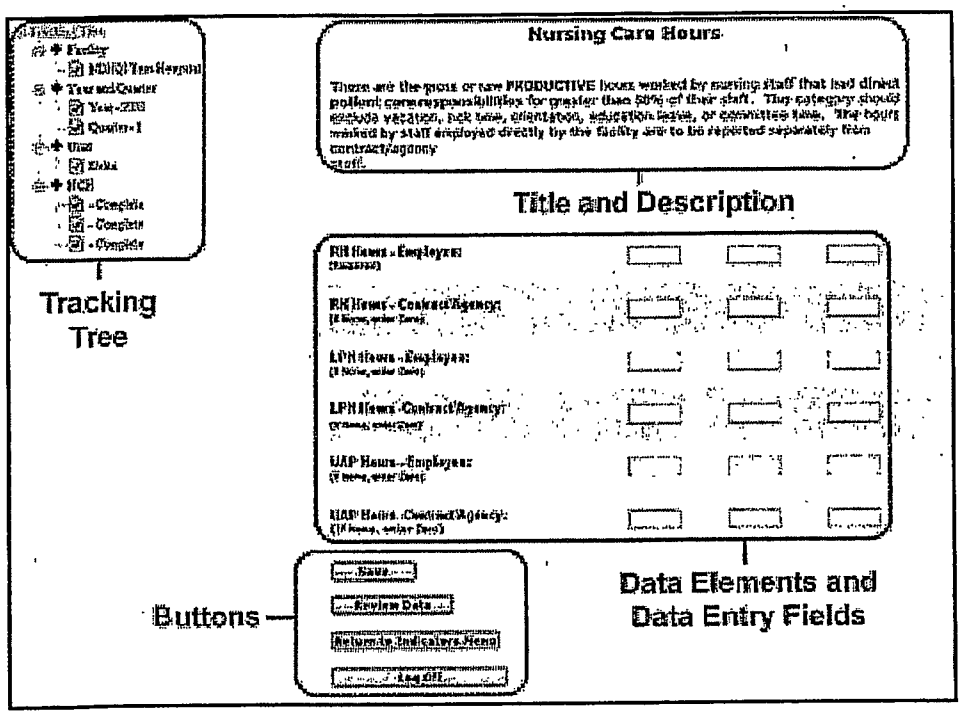
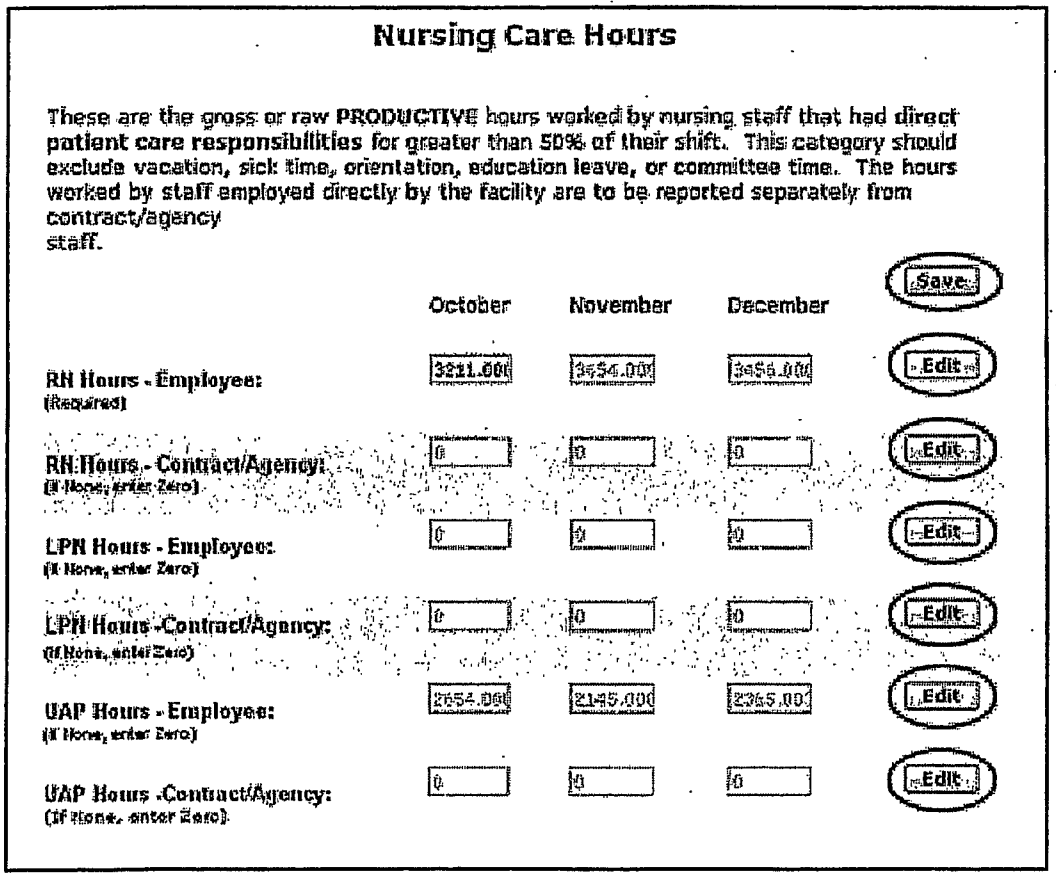

Nursing Care Hours
Title and Description
Tracking Tree
Buttons
Data Elements and Data Entry Fields
700

FIG. 7


Nursing Care Hours
These are the gross or raw PRODUCTIVE hours worked by nursing staff that had direct patient care responsibilities for greater than 50% of their shift. This category should exclude vacation, sick time, orientation, education leave, or committee time. The hours worked by staff employed directly by the facility are to be reported separately from contract/agency staff.
Save
October
November
December
RN Hours - Employee: (Required)
3211.000
3454.000
3456.000
Edit
RN Hours - Contract/Agency: (If None, enter Zero)
0
0
0
Edit
LPN Hours - Employee: (If None, enter Zero)
0
0
0
Edit
LPN Hours -Contract/Agency: (If None, enter Zero)
0
0
0
Edit
UAP Hours - Employee: (If None, enter Zero)
2654.000
2145.000
2365.000
Edit
UAP Hours -Contract/Agency: (If None, enter Zero)
0
0
0
Edit

800

FIG. 8

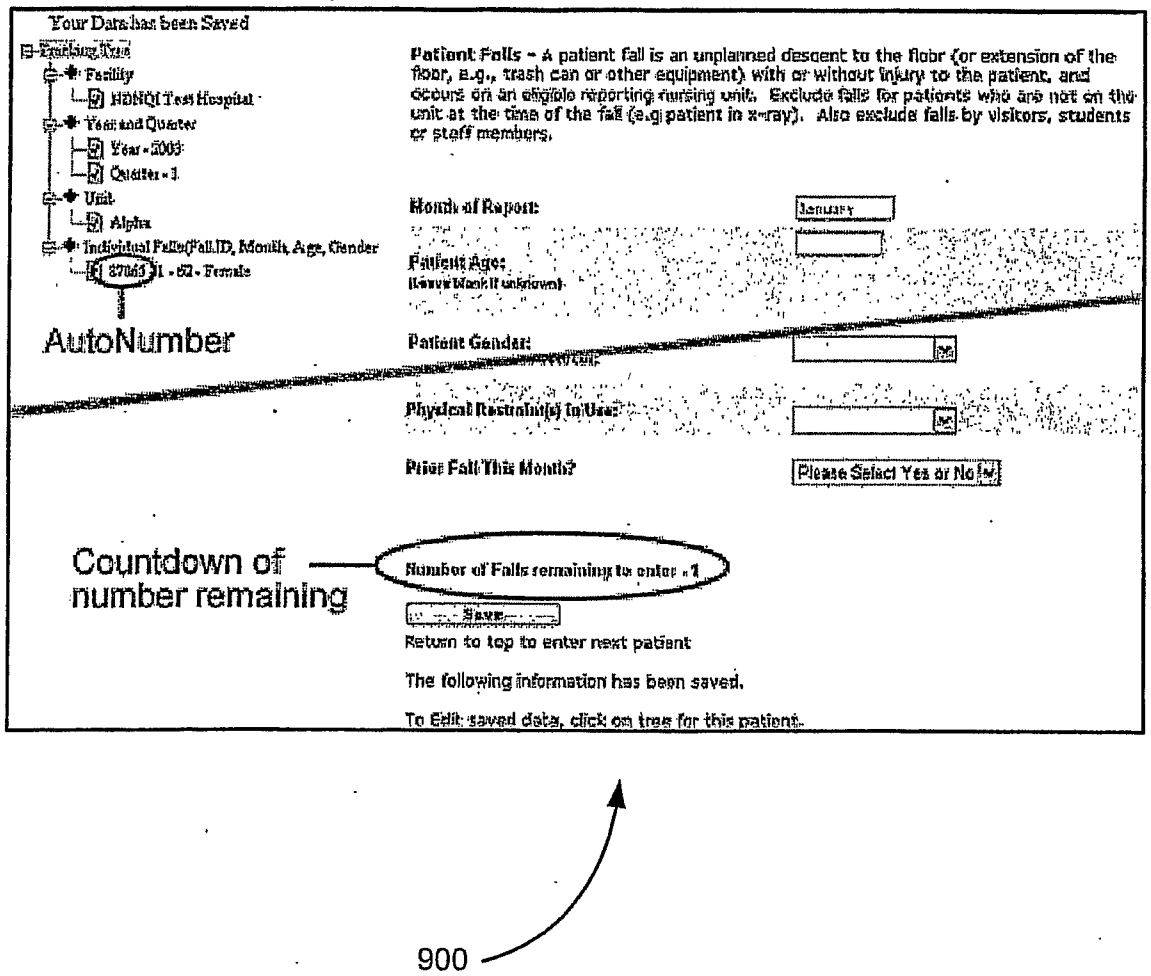

Your Data has been Saved
Facility
Year and Quarter
Unit
Alpha
Individual Falls(Fall ID, Month, Age, Gender
AutoNumber
Patient Falls - A patient fall is an unplanned descent to the floor (or extension of the floor, e.g., trash can or other equipment) with or without injury to the patient, and occurs on an eligible reporting nursing unit. Exclude falls for patients who are not on the unit at the time of the fall (e.g patient in x-ray). Also exclude falls by visitors, students or staff members.
Month of Report:
Patient Age:
Patient Gender:
Physical Restraint(s) In Use:
Prior Fall This Month?
Please Select Yes or No
Countdown of number remaining
Number of Falls remaining to enter = 1
Save
Return to top to enter next patient
The following information has been saved.
To Edit saved data, click on tree for this patient.
900

FIG. 9

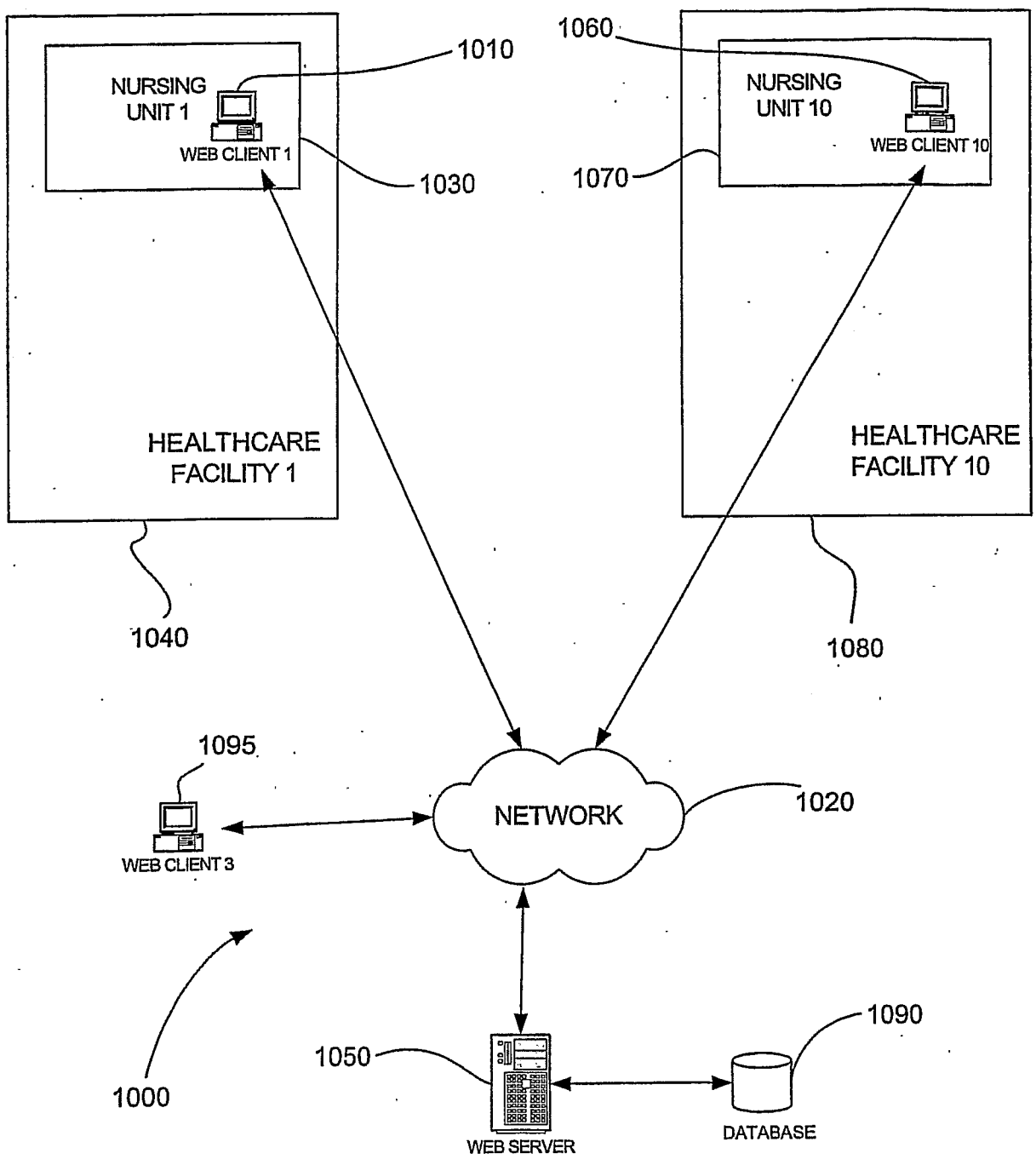

NURSING UNIT 1
WEB CLIENT 1
1010
1030
1060
NURSING UNIT 10
WEB CLIENT 10
1070
HEALTHCARE FACILITY 1
HEALTHCARE FACILITY 10
1040
1080
1095
WEB CLIENT 3
NETWORK
1020
1000
1050
1090
WEB SERVER
DATABASE

FIG. 10

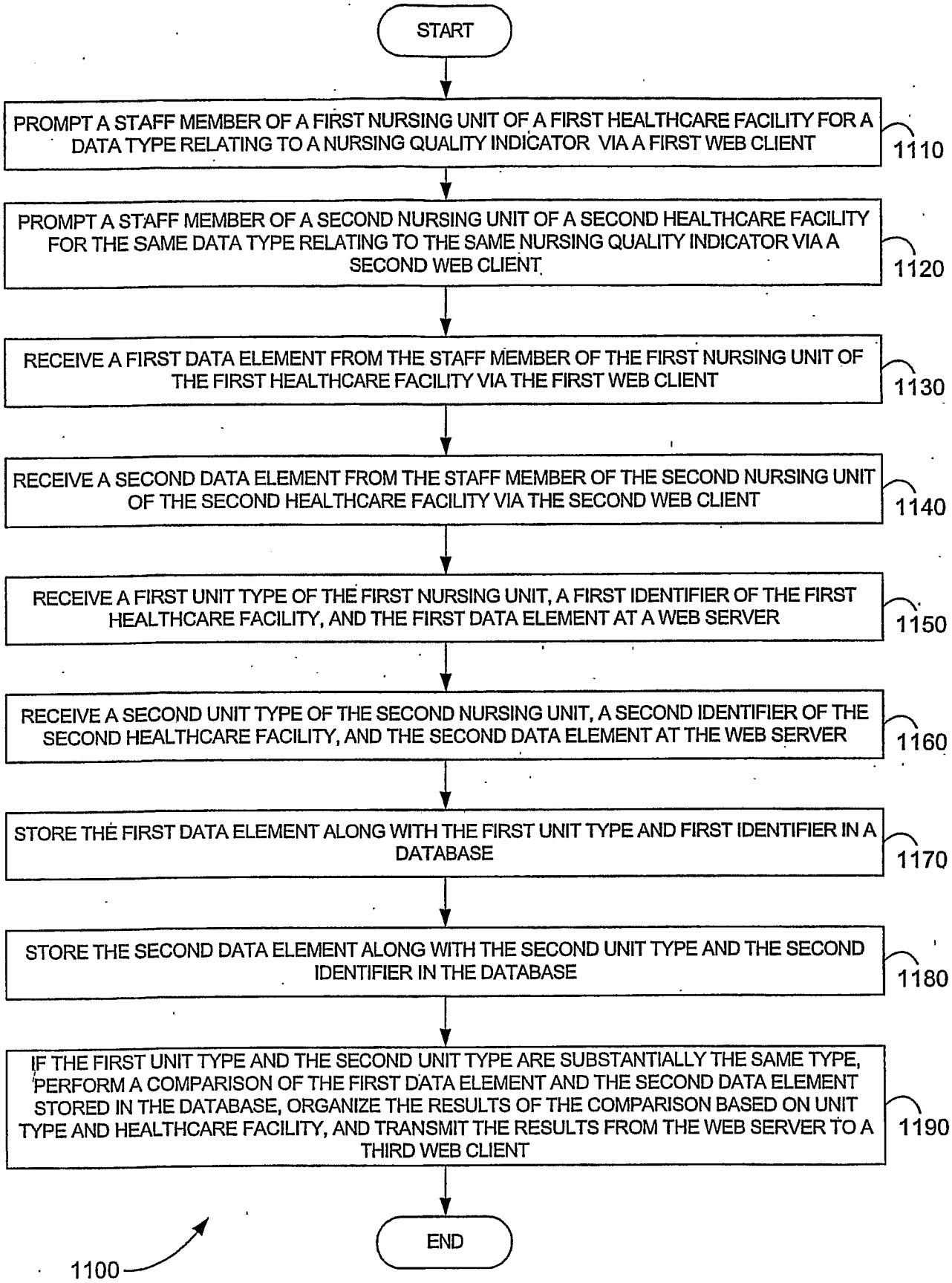

START
PROMPT A STAFF MEMBER OF A FIRST NURSING UNIT OF A FIRST HEALTHCARE FACILITY FOR A DATA TYPE RELATING TO A NURSING QUALITY INDICATOR VIA A FIRST WEB CLIENT
1110
PROMPT A STAFF MEMBER OF A SECOND NURSING UNIT OF A SECOND HEALTHCARE FACILITY FOR THE SAME DATA TYPE RELATING TO THE SAME NURSING QUALITY INDICATOR VIA A SECOND WEB CLIENT
1120
RECEIVE A FIRST DATA ELEMENT FROM THE STAFF MEMBER OF THE FIRST NURSING UNIT OF THE FIRST HEALTHCARE FACILITY VIA THE FIRST WEB CLIENT
1130
RECEIVE A SECOND DATA ELEMENT FROM THE STAFF MEMBER OF THE SECOND NURSING UNIT OF THE SECOND HEALTHCARE FACILITY VIA THE SECOND WEB CLIENT
1140
RECEIVE A FIRST UNIT TYPE OF THE FIRST NURSING UNIT, A FIRST IDENTIFIER OF THE FIRST HEALTHCARE FACILITY, AND THE FIRST DATA ELEMENT AT A WEB SERVER
1150
RECEIVE A SECOND UNIT TYPE OF THE SECOND NURSING UNIT, A SECOND IDENTIFIER OF THE SECOND HEALTHCARE FACILITY, AND THE SECOND DATA ELEMENT AT THE WEB SERVER
1160
STORE THE FIRST DATA ELEMENT ALONG WITH THE FIRST UNIT TYPE AND FIRST IDENTIFIER IN A DATABASE
1170
STORE THE SECOND DATA ELEMENT ALONG WITH THE SECOND UNIT TYPE AND THE SECOND IDENTIFIER IN THE DATABASE
1180
IF THE FIRST UNIT TYPE AND THE SECOND UNIT TYPE ARE SUBSTANTIALLY THE SAME TYPE, PERFORM A COMPARISON OF THE FIRST DATA ELEMENT AND THE SECOND DATA ELEMENT STORED IN THE DATABASE, ORGANIZE THE RESULTS OF THE COMPARISON BASED ON UNIT TYPE AND HEALTHCARE FACILITY, AND TRANSMIT THE RESULTS FROM THE WEB SERVER TO A THIRD WEB CLIENT
1190
END
1100

FIG. 11

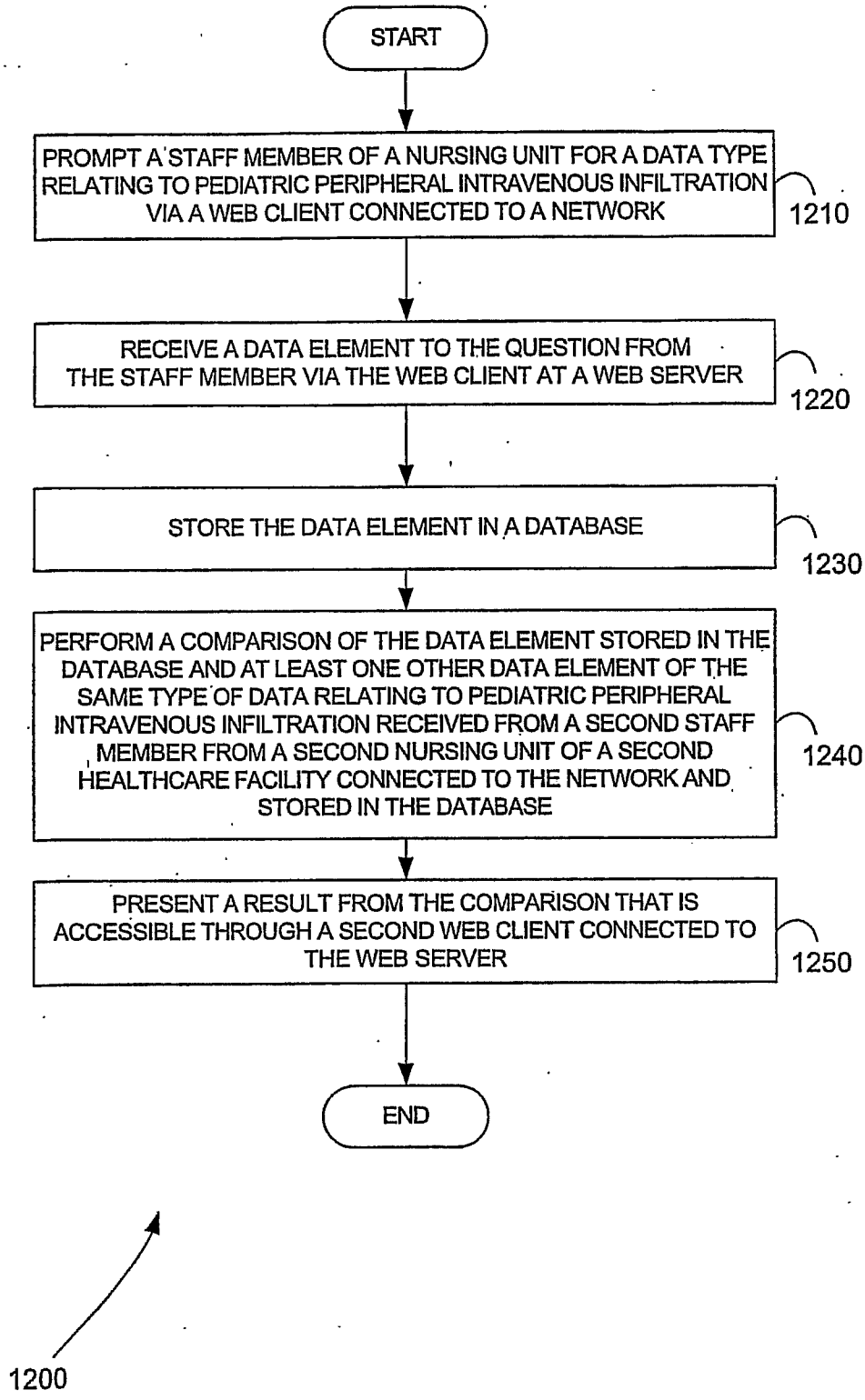

START
PROMPT A STAFF MEMBER OF A NURSING UNIT FOR A DATA TYPE RELATING TO PEDIATRIC PERIPHERAL INTRAVENOUS INFILTRATION VIA A WEB CLIENT CONNECTED TO A NETWORK
1210
RECEIVE A DATA ELEMENT TO THE QUESTION FROM THE STAFF MEMBER VIA THE WEB CLIENT AT A WEB SERVER
1220
STORE THE DATA ELEMENT IN A DATABASE
1230
PERFORM A COMPARISON OF THE DATA ELEMENT STORED IN THE DATABASE AND AT LEAST ONE OTHER DATA ELEMENT OF THE SAME TYPE OF DATA RELATING TO PEDIATRIC PERIPHERAL INTRAVENOUS INFILTRATION RECEIVED FROM A SECOND STAFF MEMBER FROM A SECOND NURSING UNIT OF A SECOND HEALTHCARE FACILITY CONNECTED TO THE NETWORK AND STORED IN THE DATABASE
1240
PRESENT A RESULT FROM THE COMPARISON THAT IS ACCESSIBLE THROUGH A SECOND WEB CLIENT CONNECTED TO THE WEB SERVER
1250
END
1200

FIG. 12

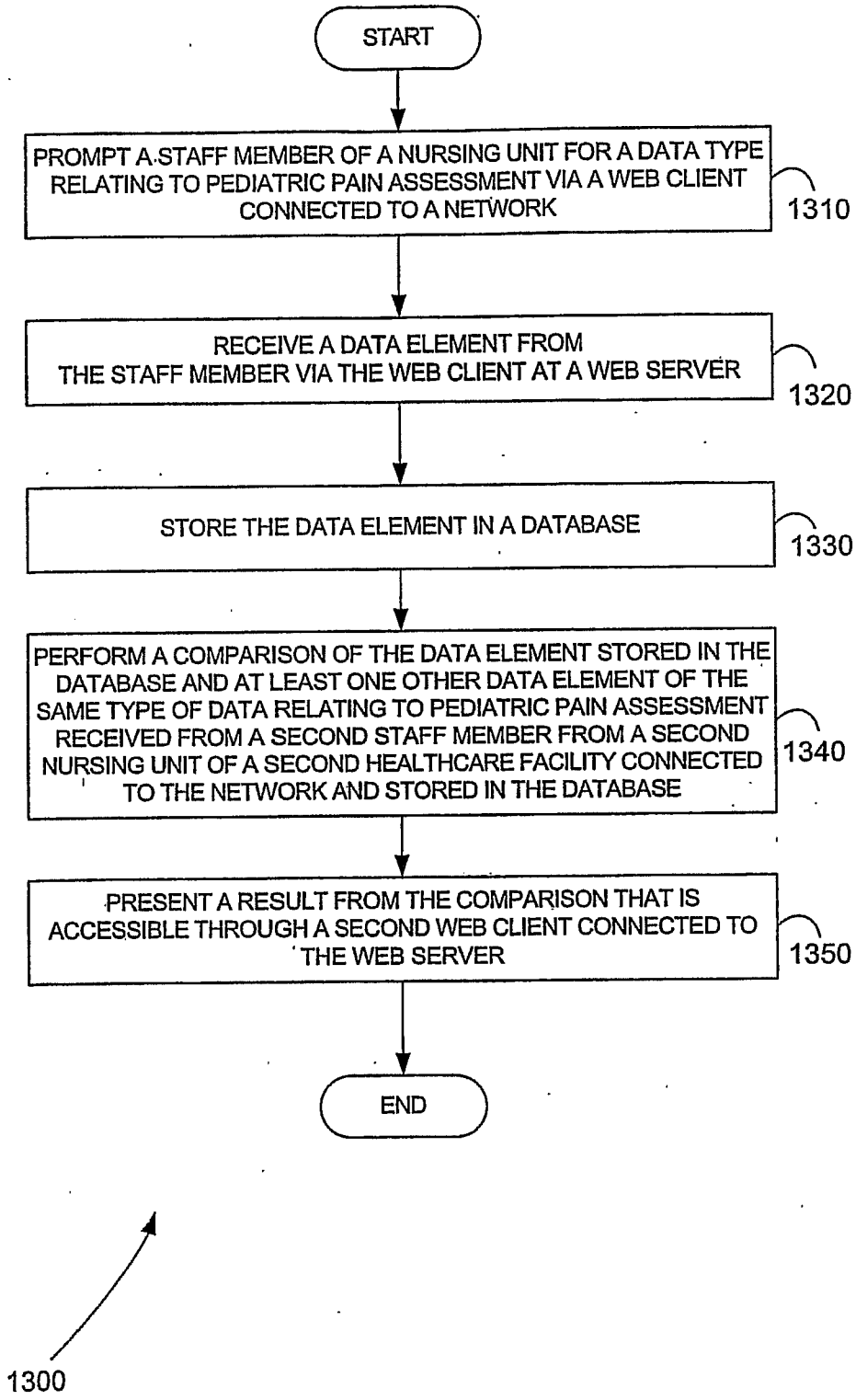

START
PROMPT A STAFF MEMBER OF A NURSING UNIT FOR A DATA TYPE RELATING TO PEDIATRIC PAIN ASSESSMENT VIA A WEB CLIENT CONNECTED TO A NETWORK
1310
RECEIVE A DATA ELEMENT FROM THE STAFF MEMBER VIA THE WEB CLIENT AT A WEB SERVER
1320
STORE THE DATA ELEMENT IN A DATABASE
1330
PERFORM A COMPARISON OF THE DATA ELEMENT STORED IN THE DATABASE AND AT LEAST ONE OTHER DATA ELEMENT OF THE SAME TYPE OF DATA RELATING TO PEDIATRIC PAIN ASSESSMENT RECEIVED FROM A SECOND STAFF MEMBER FROM A SECOND NURSING UNIT OF A SECOND HEALTHCARE FACILITY CONNECTED TO THE NETWORK AND STORED IN THE DATABASE
1340
PRESENT A RESULT FROM THE COMPARISON THAT IS ACCESSIBLE THROUGH A SECOND WEB CLIENT CONNECTED TO THE WEB SERVER
1350
END
1300

FIG. 13

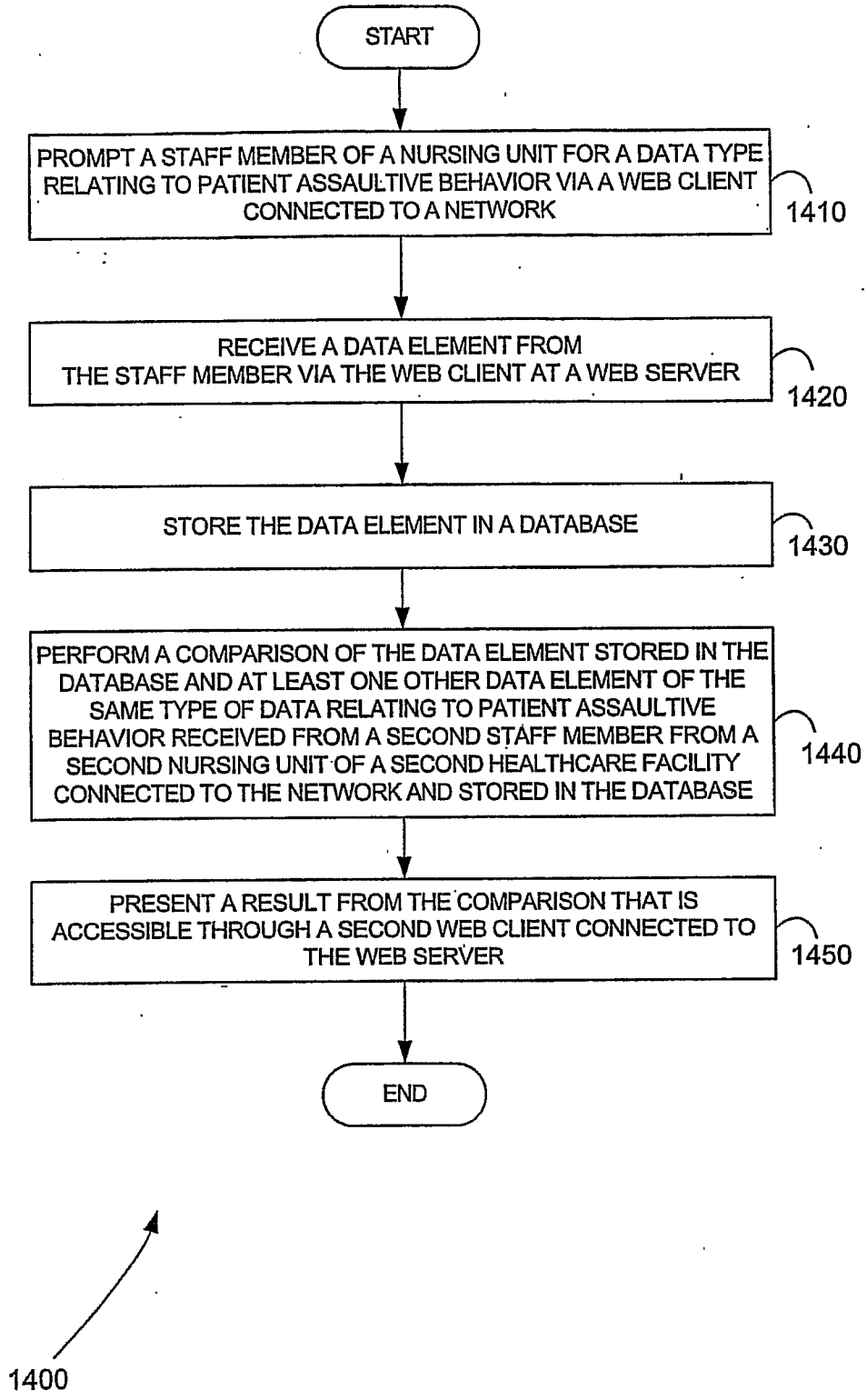

START
PROMPT A STAFF MEMBER OF A NURSING UNIT FOR A DATA TYPE RELATING TO PATIENT ASSAULTIVE BEHAVIOR VIA A WEB CLIENT CONNECTED TO A NETWORK
1410
RECEIVE A DATA ELEMENT FROM THE STAFF MEMBER VIA THE WEB CLIENT AT A WEB SERVER
1420
STORE THE DATA ELEMENT IN A DATABASE
1430
PERFORM A COMPARISON OF THE DATA ELEMENT STORED IN THE DATABASE AND AT LEAST ONE OTHER DATA ELEMENT OF THE SAME TYPE OF DATA RELATING TO PATIENT ASSAULTIVE BEHAVIOR RECEIVED FROM A SECOND STAFF MEMBER FROM A SECOND NURSING UNIT OF A SECOND HEALTHCARE FACILITY CONNECTED TO THE NETWORK AND STORED IN THE DATABASE
1440
PRESENT A RESULT FROM THE COMPARISON THAT IS ACCESSIBLE THROUGH A SECOND WEB CLIENT CONNECTED TO THE WEB SERVER
1450
END
1400

FIG. 14