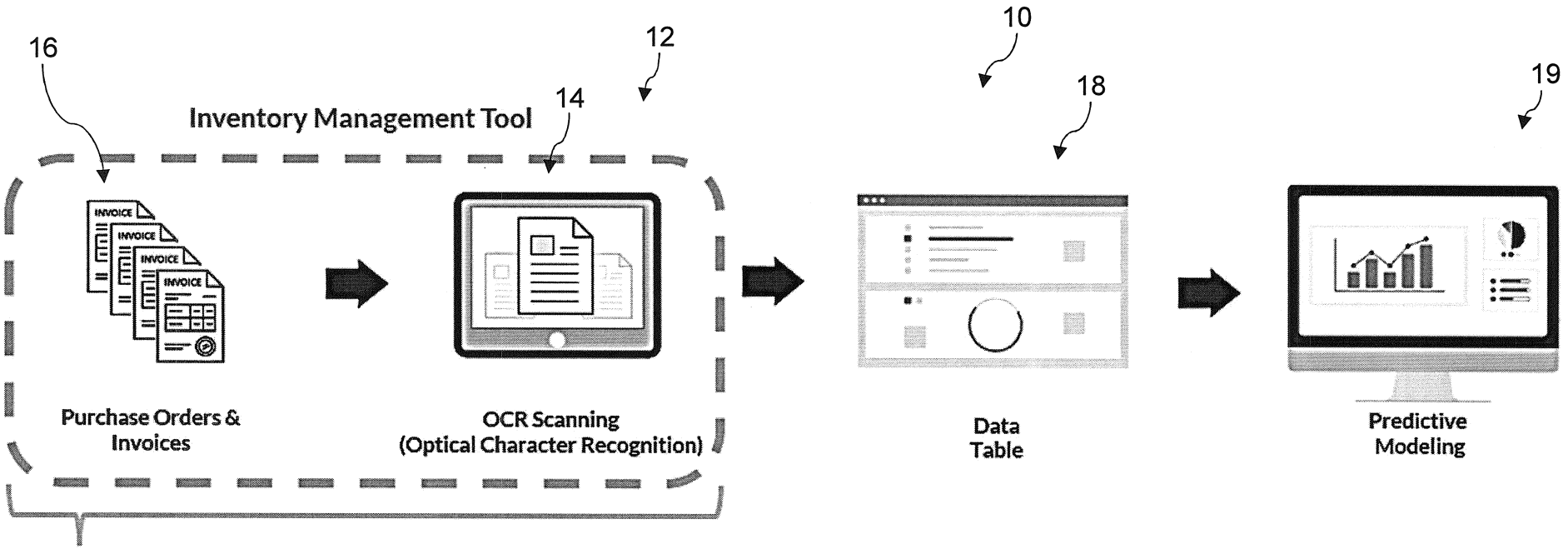


Data fields collected

- Drug Name
- Date
- Supplier
- Sales Representative
- Total Quantity
- Bonus Amount
- Unit Price
- Total Price
- Discount
- Purchase Terms
- Delivery Date

Clinic Level Data

- Average cost of a drug
- Tracking drug price changes
- Rising patient conditions
- Patient consumption rate per drug
- Drug quantity to purchase

Figure 1

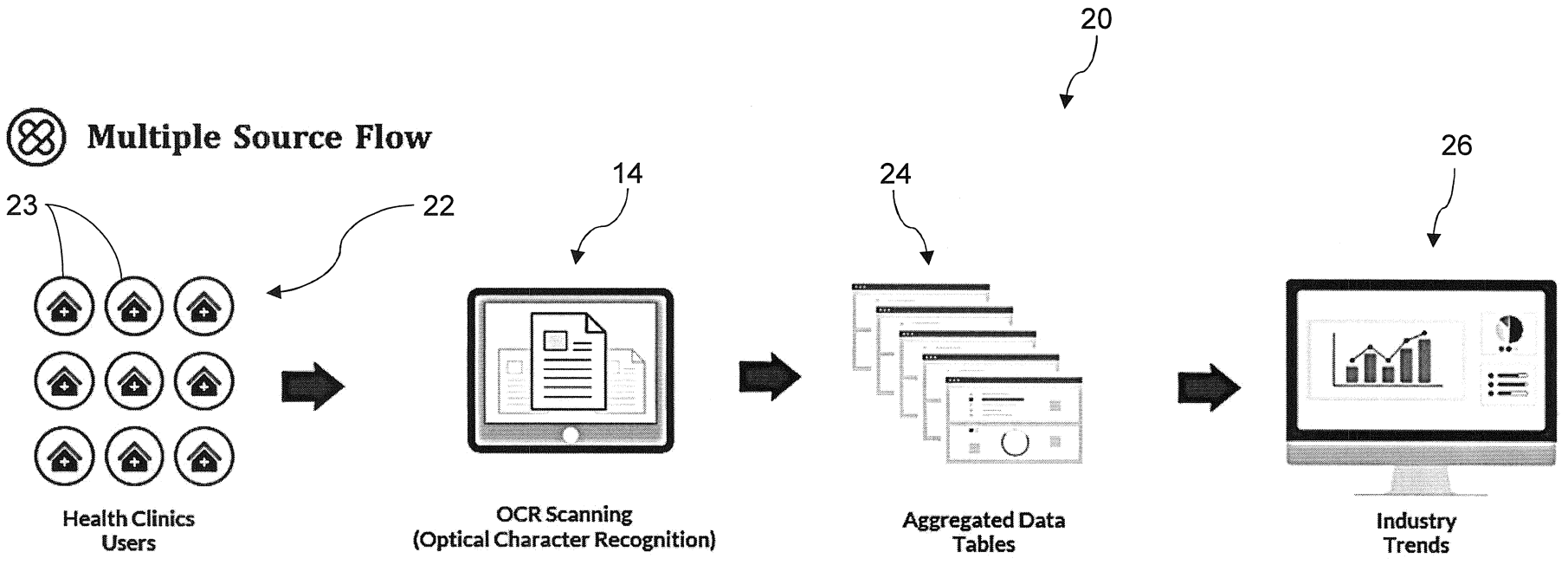

20
Multiple Source Flow
23
22
14
24
26
Health Clinics
Users
OCR Scanning
(Optical Character Recognition)
Aggregated Data
Tables
Industry
Trends
Data fields collected
• Drug Name
• Date
• Supplier
• Sales Representative
• Total Quantity
• Bonus Amount
• Unit Price
• Total Price
• Discount
• Purchase Terms
• Delivery Date
National Level Data
• Top suppliers
• Top drugs
• Drug pricing variables
• Trending drugs
• Variances by geography, clinic type, supplier

Figure 2

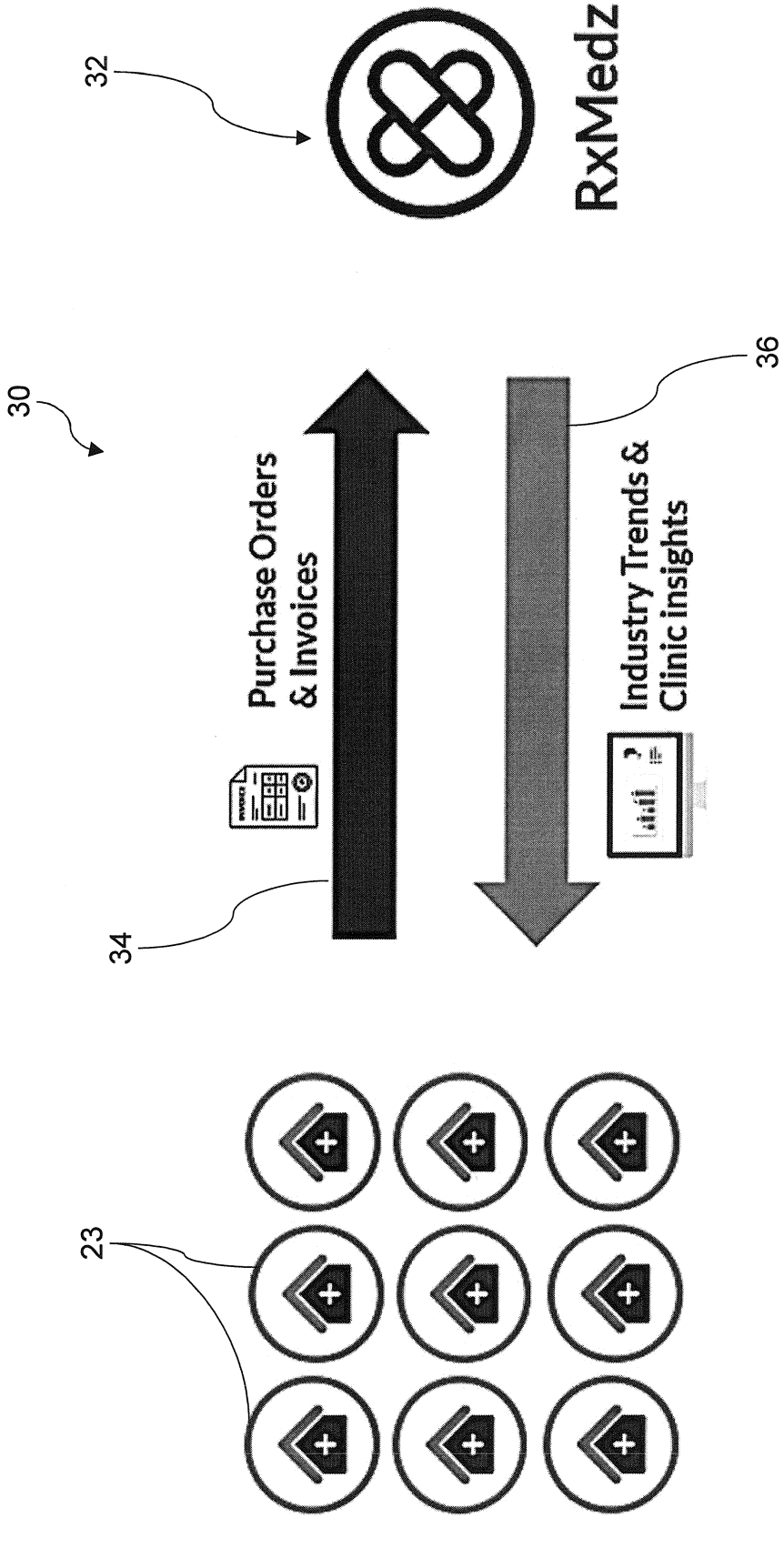

32
RxMedz
30
Purchase Orders
& Invoices
34
36
Industry Trends &
Clinic insights
23
Health Clinics Users

Figure 3

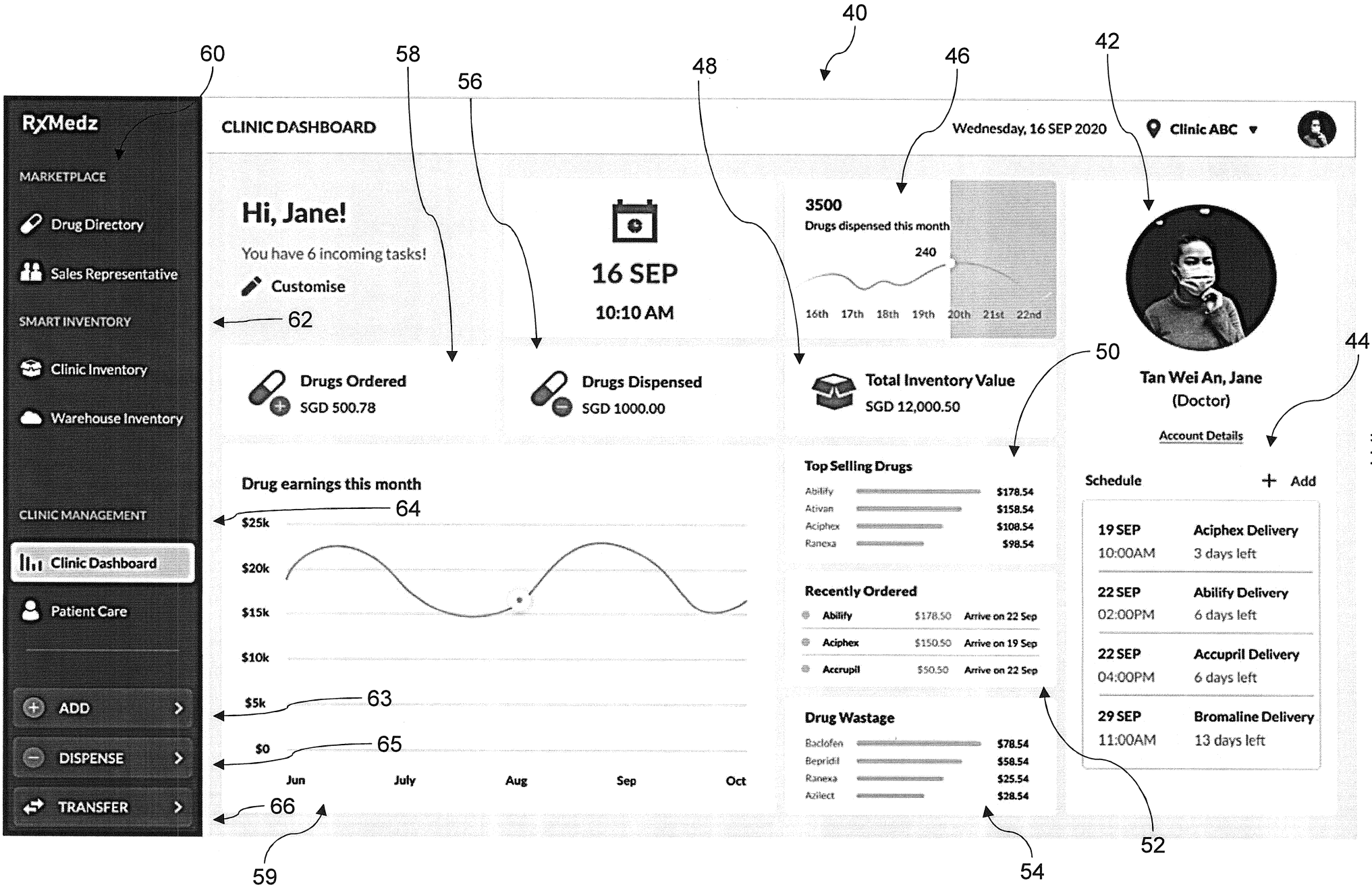

RxMedz
MARKETPLACE
Drug Directory
Sales Representative
SMART INVENTORY
Clinic Inventory
Warehouse Inventory
CLINIC MANAGEMENT
Clinic Dashboard
Patient Care
ADD
DISPENSE
TRANSFER
CLINIC DASHBOARD
Wednesday, 16 SEP 2020
Clinic ABC
Hi, Jane!
You have 6 incoming tasks!
Customise
16 SEP
10:10 AM
3500
Drugs dispensed this month
240
16th 17th 18th 19th 20th 21st 22nd
Drugs Ordered
SGD 500.78
Drugs Dispensed
SGD 1000.00
Total Inventory Value
SGD 12,000.50
Tan Wei An, Jane
(Doctor)
Account Details
Drug earnings this month
$25k
$20k
$15k
$10k
$5k
$0
Jun July Aug Sep Oct
Top Selling Drugs
Abilify $178.54
Ativan $158.54
Aciphex $108.54
Ranexa $98.54
Recently Ordered
Abilify $178.50 Arrive on 22 Sep
Aciphex $150.50 Arrive on 19 Sep
Accrupil $50.50 Arrive on 22 Sep
Drug Wastage
Baclofen $78.54
Bepridil $58.54
Ranexa $25.54
Azilect $28.54
Schedule
+ Add
19 SEP 10:00AM Aciphex Delivery 3 days left
22 SEP 02:00PM Abilify Delivery 6 days left
22 SEP 04:00PM Accupril Delivery 6 days left
29 SEP 11:00AM Bromaline Delivery 13 days left
40
60
58
56
48
46
42
62
50
44
64
63
65
66
59
52
54

Figure 4

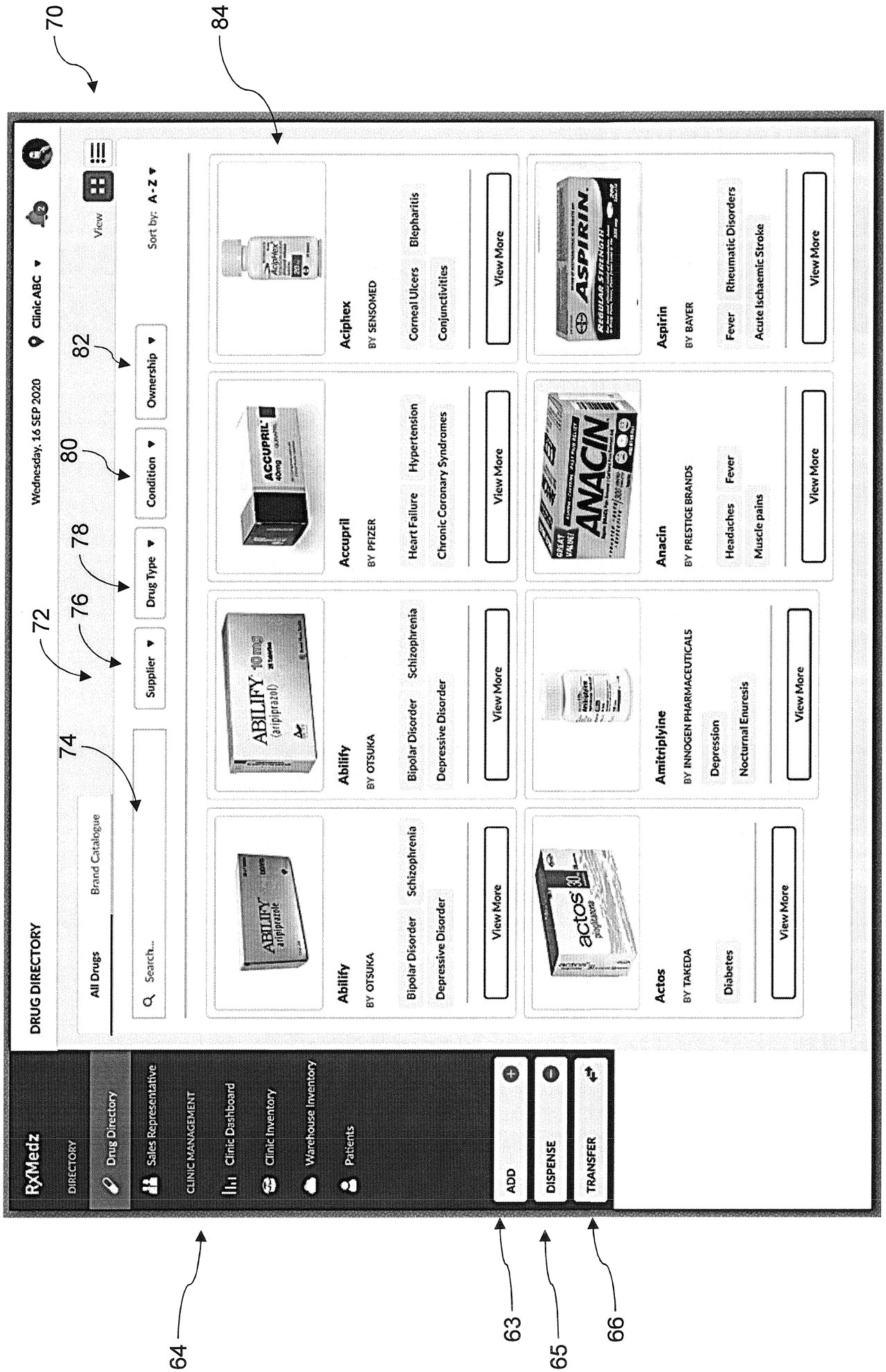

70
84
72
76
78
80
82
74
64
63
65
66
RxMedz
DIRECTORY
Drug Directory
Sales Representative
CLINIC MANAGEMENT
Clinic Dashboard
Clinic Inventory
Warehouse Inventory
Patients
ADD
DISPENSE
TRANSFER
DRUG DIRECTORY
Wednesday, 16 SEP 2020
Clinic ABC
All Drugs
Brand Catalogue
Search...
Supplier
Drug Type
Condition
Ownership
View
Sort by: A-Z
Abilify
BY OTSUKA
Bipolar Disorder
Schizophrenia
Depressive Disorder
View More
Accupril
BY PFIZER
Heart Failure
Hypertension
Chronic Coronary Syndromes
View More
Aciphex
BY SENSOMED
Corneal Ulcers
Blepharitis
Conjunctivities
View More
Actos
BY TAKEDA
Diabetes
View More
Amitriptyline
BY INNOGEN PHARMACEUTICALS
Depression
Nocturnal Enuresis
View More
Anacin
BY PRESTIGE BRANDS
Headaches
Fever
Muscle pains
View More
Aspirin
BY BAYER
Fever
Rheumatic Disorders
Acute Ischaemic Stroke
View More

Figure 5

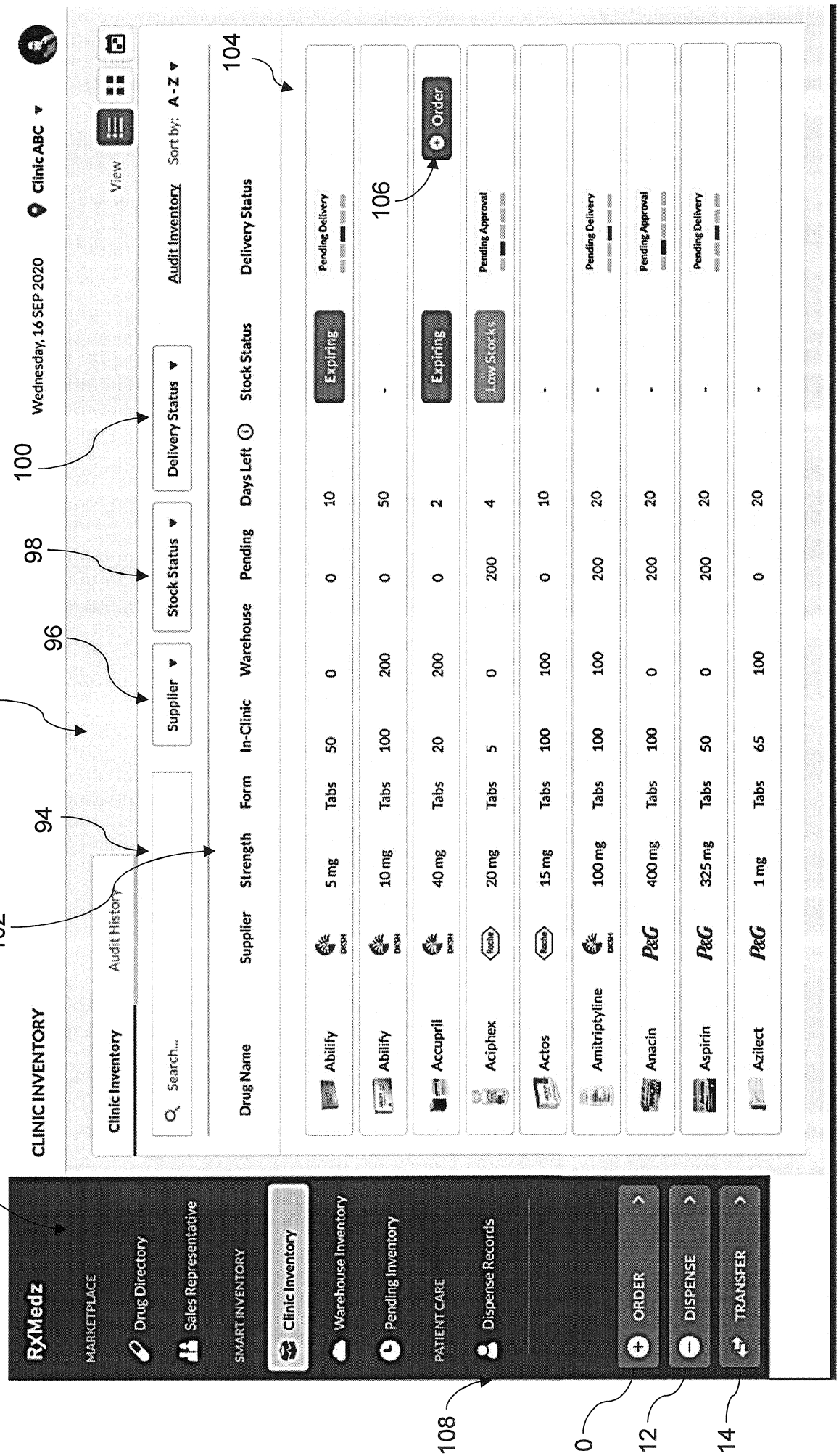

90
60
RXMedz
MARKETPLACE
Drug Directory
Sales Representative
SMART INVENTORY
Clinic Inventory
Warehouse Inventory
Pending Inventory
PATIENT CARE
Dispense Records
ORDER
DISPENSE
TRANSFER
108
110
112
114
CLINIC INVENTORY
Audit History
Clinic Inventory
Clinic ABC
Wednesday, 16 SEP 2020
View
Audit Inventory
Sort by: A-Z
102
94
92
96
98
100
104
106
Search...
Supplier
Stock Status
Delivery Status
Drug Name
Supplier
Strength
Form
In-Clinic
Warehouse
Pending
Days Left
Stock Status
Delivery Status
Abilify 5 mg Tabs 50 0 0 10 Expiring Pending Delivery
Abilify 10 mg Tabs 100 200 0 50 - -
Accupril 40 mg Tabs 20 200 0 2 Expiring Order
Aciphex 20 mg Tabs 5 0 200 4 Low Stocks Pending Approval
Actos 15 mg Tabs 100 100 0 10 - -
Amitriptyline 100 mg Tabs 100 100 200 20 - Pending Delivery
Anacin 400 mg Tabs 100 0 200 20 - Pending Approval
Aspirin 325 mg Tabs 50 0 200 20 - Pending Delivery
Azilect 1 mg Tabs 65 100 0 20 - -

Figure 6

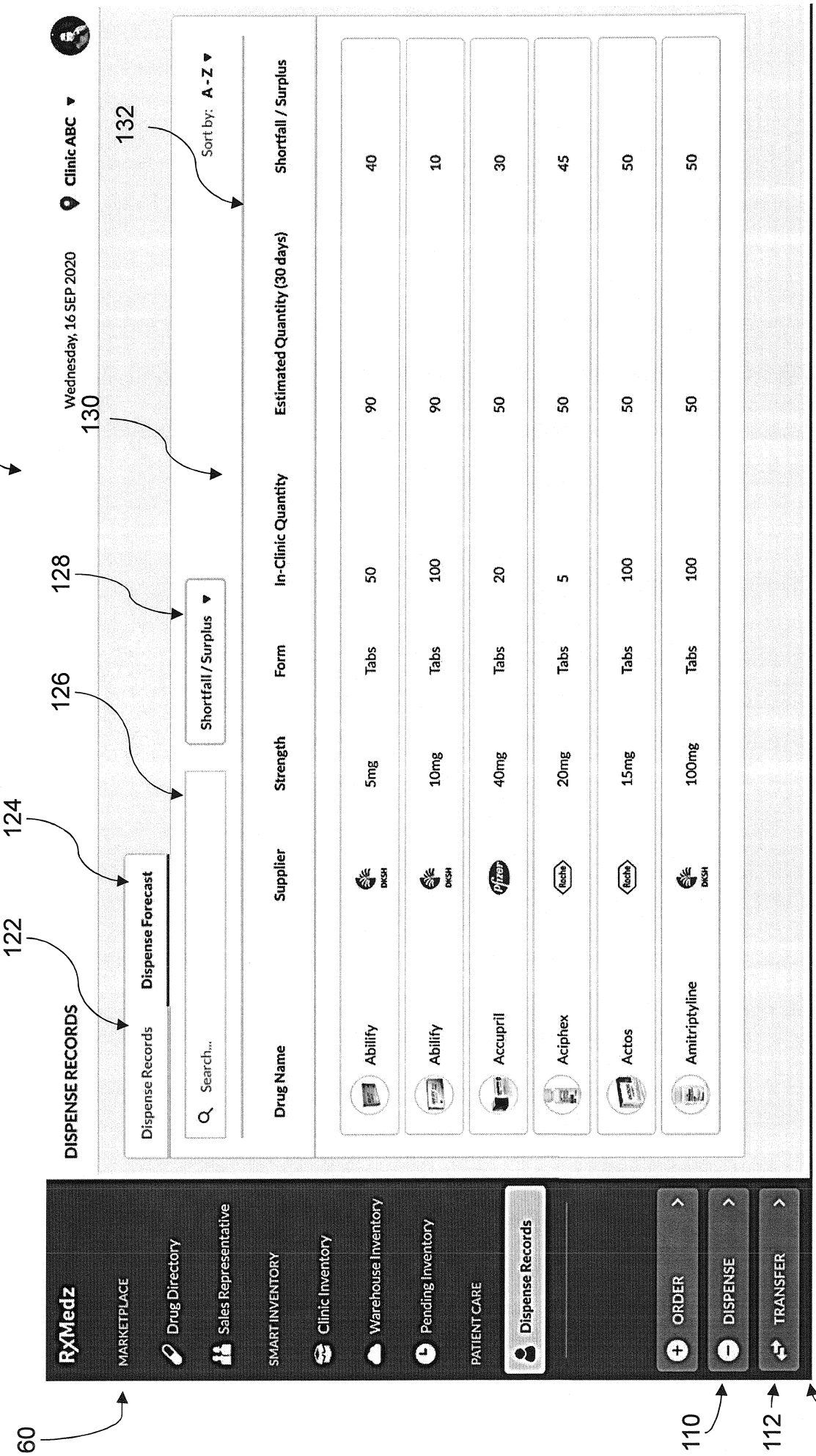

60
110
112
114
120
122
124
126
128
130
132
RXMedz
MARKETPLACE
Drug Directory
Sales Representative
SMART INVENTORY
Clinic Inventory
Warehouse Inventory
Pending Inventory
PATIENT CARE
Dispense Records
ORDER
DISPENSE
TRANSFER
DISPENSE RECORDS
Wednesday, 16 SEP 2020
Clinic ABC
Dispense Records
Dispense Forecast
Search...
Shortfall / Surplus
Sort by: A-Z
Drug Name
Supplier
Strength
Form
In-Clinic Quantity
Estimated Quantity (30 days)
Shortfall / Surplus
Abilify 5mg Tabs 50 90 40
Abilify 10mg Tabs 100 90 10
Accupril 40mg Tabs 20 50 30
Aciphex 20mg Tabs 5 50 45
Actos 15mg Tabs 100 50 50
Amitriptyline 100mg Tabs 100 50 50

Figure 7

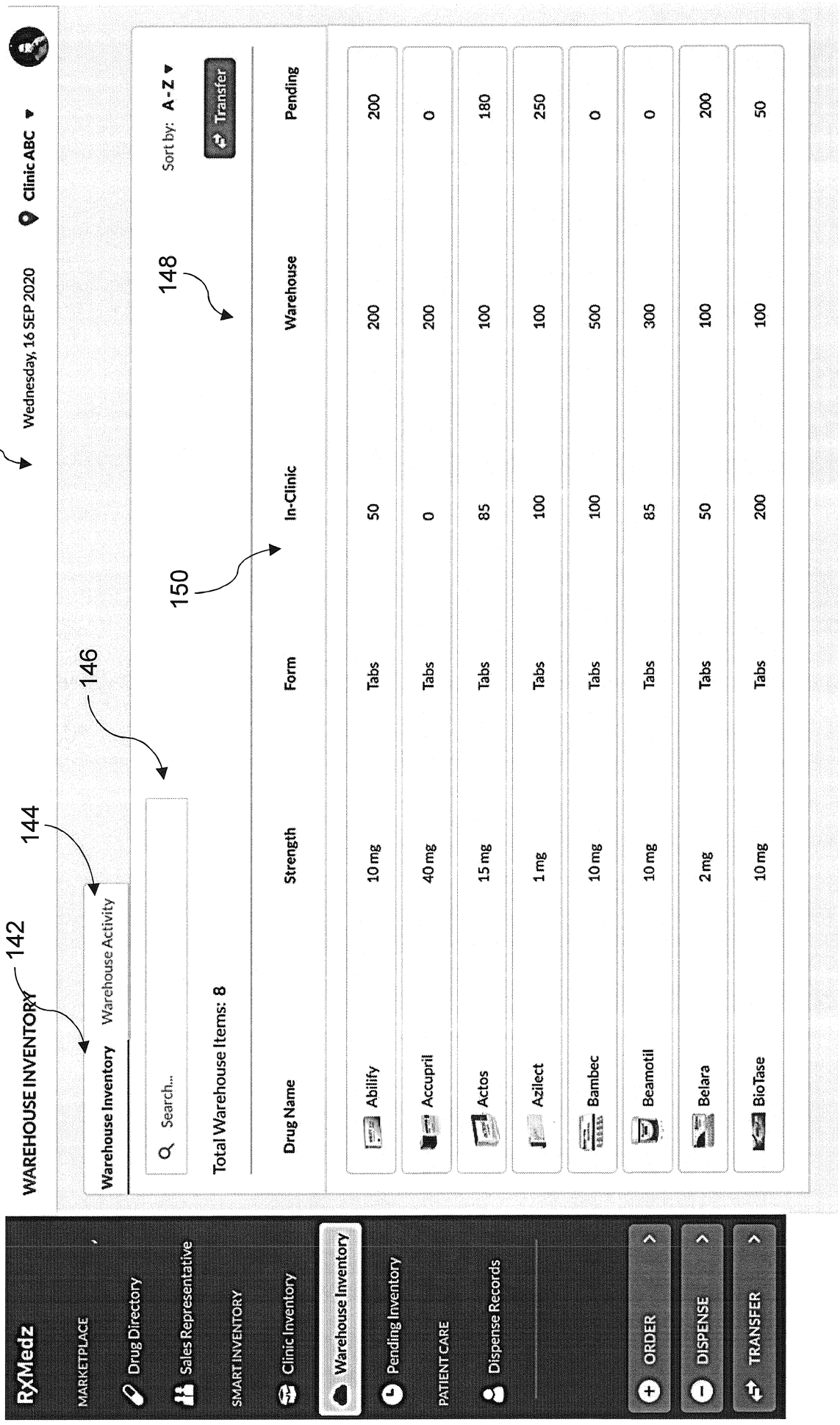

140
142
144
146
148
150
RXMedz
MARKETPLACE
Drug Directory
Sales Representative
SMART INVENTORY
Clinic Inventory
Warehouse Inventory
Pending Inventory
PATIENT CARE
Dispense Records
ORDER
DISPENSE
TRANSFER
WAREHOUSE INVENTORY
Wednesday, 16 SEP 2020
Clinic ABC
Warehouse Inventory
Warehouse Activity
Search...
Total Warehouse Items: 8
Sort by: A-Z
Transfer
Drug Name
Strength
Form
In-Clinic
Warehouse
Pending
Abilify 10 mg Tabs 50 200 200
Accupril 40 mg Tabs 0 200 0
Actos 15 mg Tabs 85 100 180
Azilect 1 mg Tabs 100 100 250
Bambec 10 mg Tabs 100 500 0
Beamotil 10 mg Tabs 85 300 0
Belara 2 mg Tabs 50 100 200
BioTase 10 mg Tabs 200 100 50

Figure 8

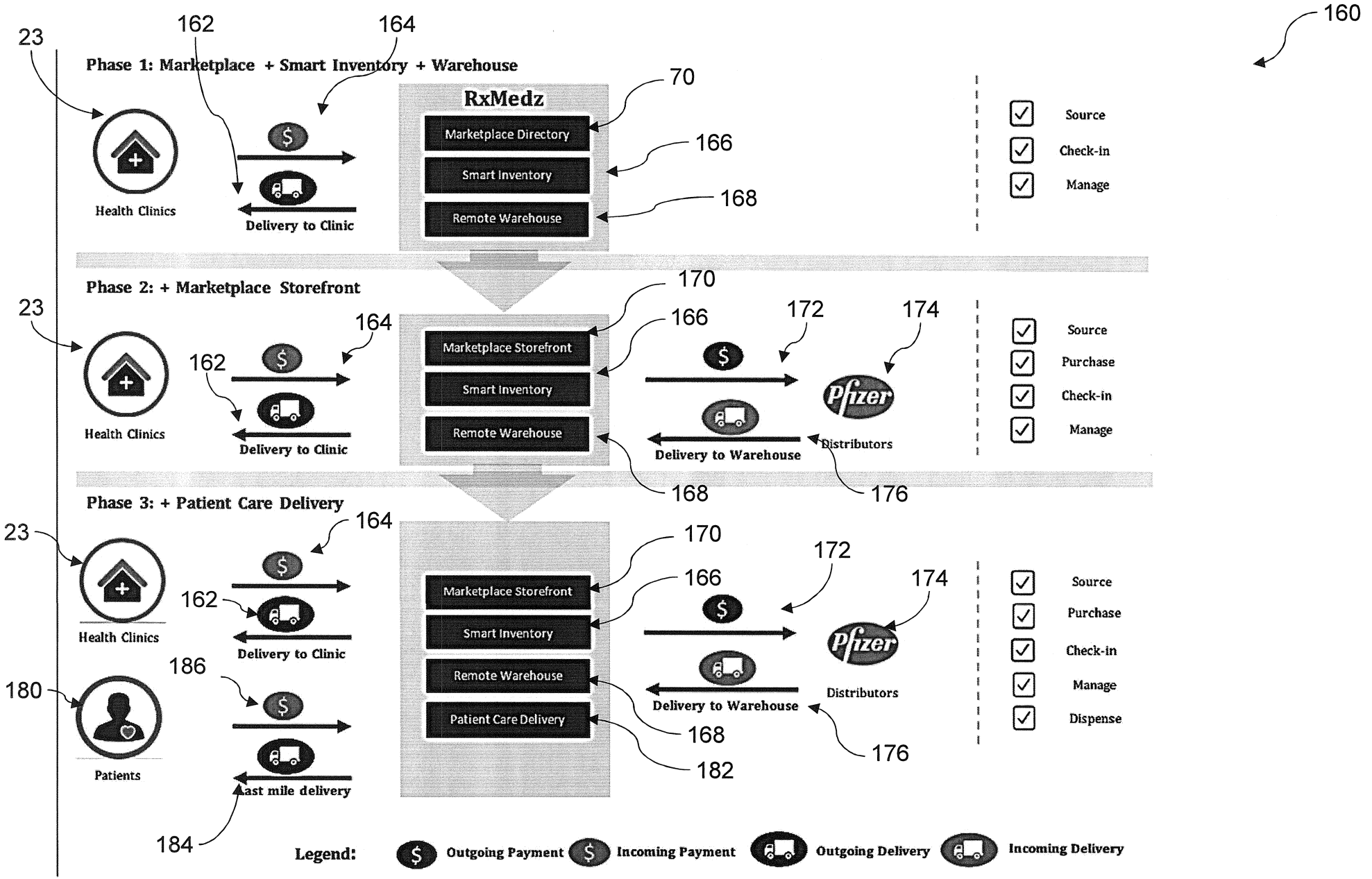

160
23
162
164
Phase 1: Marketplace + Smart Inventory + Warehouse
RxMedz
70
Marketplace Directory
166
Smart Inventory
168
Remote Warehouse
Health Clinics
Delivery to Clinic
Source
Check-in
Manage
Phase 2: + Marketplace Storefront
170
172
174
Marketplace Storefront
Smart Inventory
Remote Warehouse
Pfizer
Distributors
Delivery to Warehouse
176
Source
Purchase
Check-in
Manage
Phase 3: + Patient Care Delivery
Patient Care Delivery
180
186
Patients
Last mile delivery
184
182
Dispense
Legend:
Outgoing Payment
Incoming Payment
Outgoing Delivery
Incoming Delivery

Figure 9

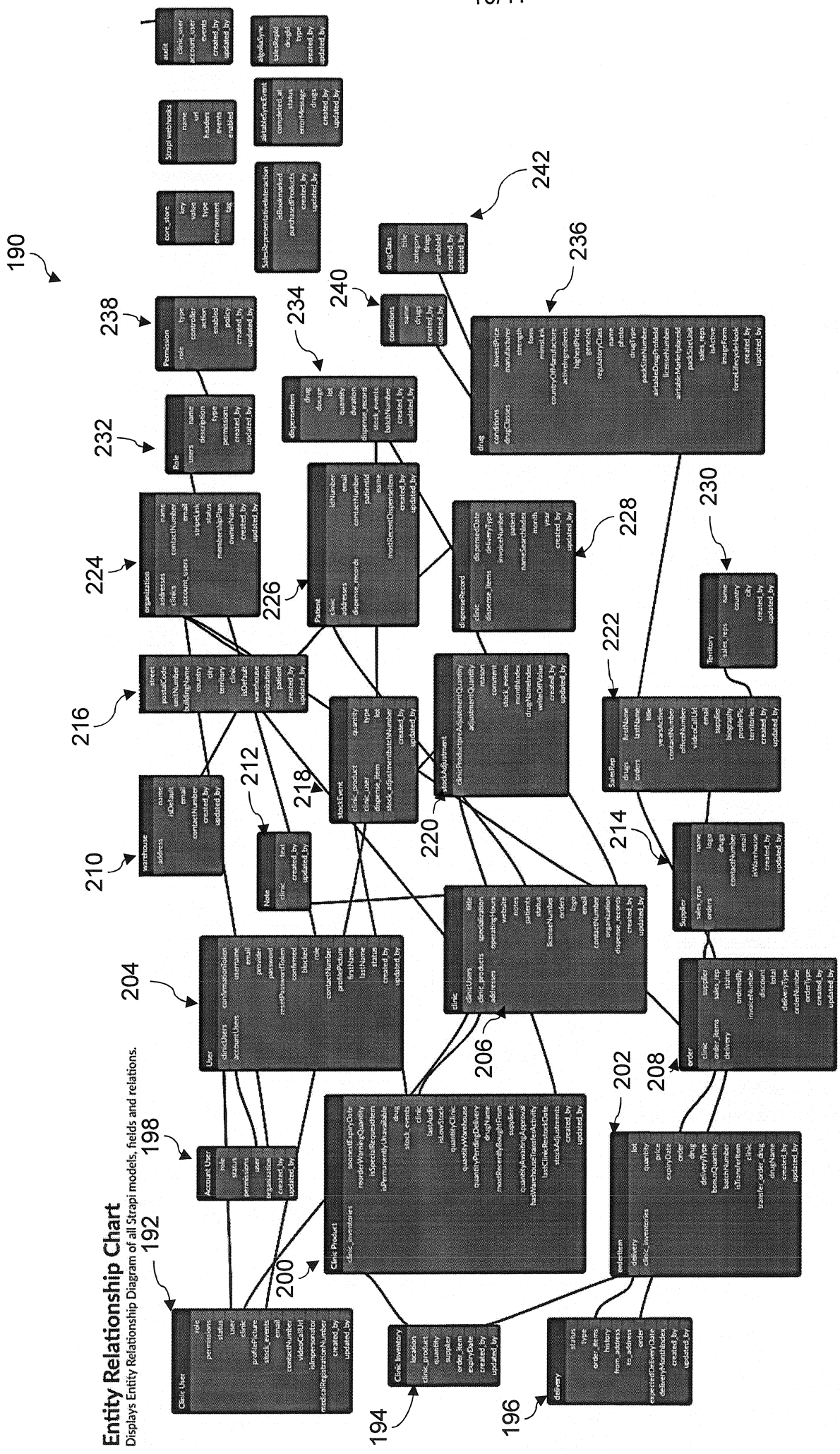

Entity Relationship Chart
Displays Entity Relationship Diagram of all Strapi models, fields and relations.
190
192
194
196
198
200
202
204
206
208
210
212
214
216
218
220
222
224
226
228
230
232
234
236
238
240
242

Figure 10

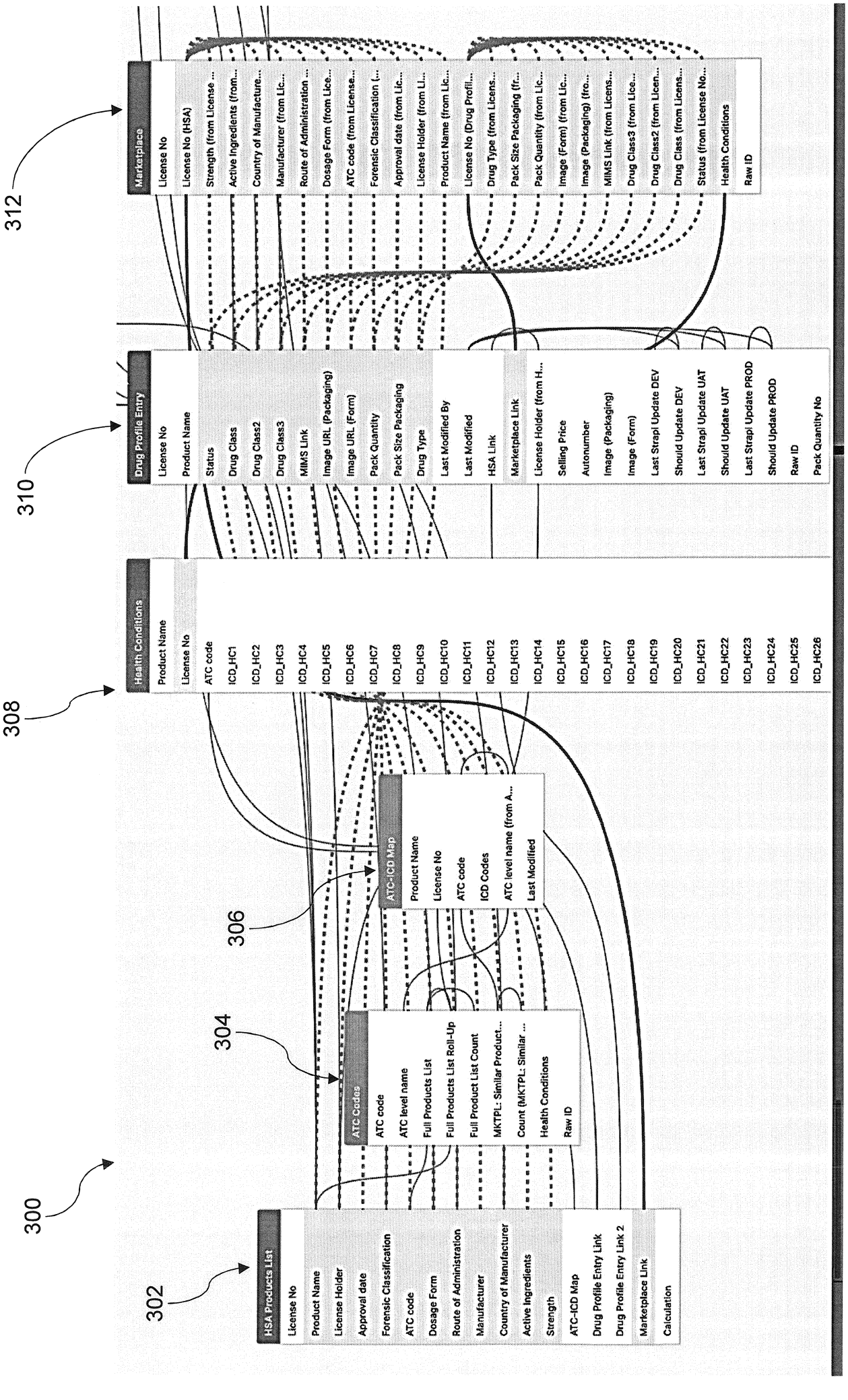

300
302
304
306
308
310
312
HSA Products List
License No
Product Name
License Holder
Approval date
Forensic Classification
ATC code
Dosage Form
Route of Administration
Manufacturer
Country of Manufacturer
Active Ingredients
Strength
ATC-ICD Map
Drug Profile Entry Link
Drug Profile Entry Link 2
Marketplace Link
Calculation
ATC-Codes
ATC code
ATC level name
Full Products List
Full Products List Roll-Up
Full Product List Count
MkTPL: Similar Product...
Count (MkTPL: Similar ...
Health Conditions
Raw ID
ATC-ICD Map
Product Name
License No
ATC code
ICD Codes
ATC level name (from A...
Last Modified
Health Conditions
Product Name
License No
ATC code
ICD_HC1
ICD_HC2
ICD_HC3
ICD_HC4
ICD_HC5
ICD_HC6
ICD_HC7
ICD_HC8
ICD_HC9
ICD_HC10
ICD_HC11
ICD_HC12
ICD_HC13
ICD_HC14
ICD_HC15
ICD_HC16
ICD_HC17
ICD_HC18
ICD_HC19
ICD_HC20
ICD_HC21
ICD_HC22
ICD_HC23
ICD_HC24
ICD_HC25
ICD_HC26
Drug Profile Entry
License No
Product Name
Status
Drug Class
Drug Class2
Drug Class3
MIMS Link
Image URL (Packaging)
Image URL (Form)
Pack Quantity
Pack Size Packaging
Drug Type
Last Modified By
Last Modified
HSA Link
Marketplace Link
License Holder (from H...
Selling Price
Autonumber
Image (Packaging)
Image (Form)
Last Strapi Update DEV
Should Update DEV
Last Strapi Update UAT
Should Update UAT
Last Strapi Update PROD
Should Update PROD
Raw ID
Pack Quantity No
Marketplace
License No
License No (HSA)
Strength (from License ...
Active Ingredients (from...
Country of Manufacture...
Manufacturer (from Lic...
Route of Administration ...
Dosage Form (from Lice...
ATC code (from License...
Forensic Classification (...
Approval date (from Lic...
License Holder (from Li...
Product Name (from Lic...
License No (Drug Profil...
Drug Type (from Licens...
Pack Size Packaging (fr...
Pack Quantity (from Lic...
Image (Form) (from Lic...
Image (Packaging) (fro...
MIMS Link (from Licens...
Drug Class3 (from Lice...
Drug Class2 (from Licen...
Drug Class (from Licens...
Status (from License No...
Health Conditions
Raw ID

Figure 11