Alissa Nedossekina
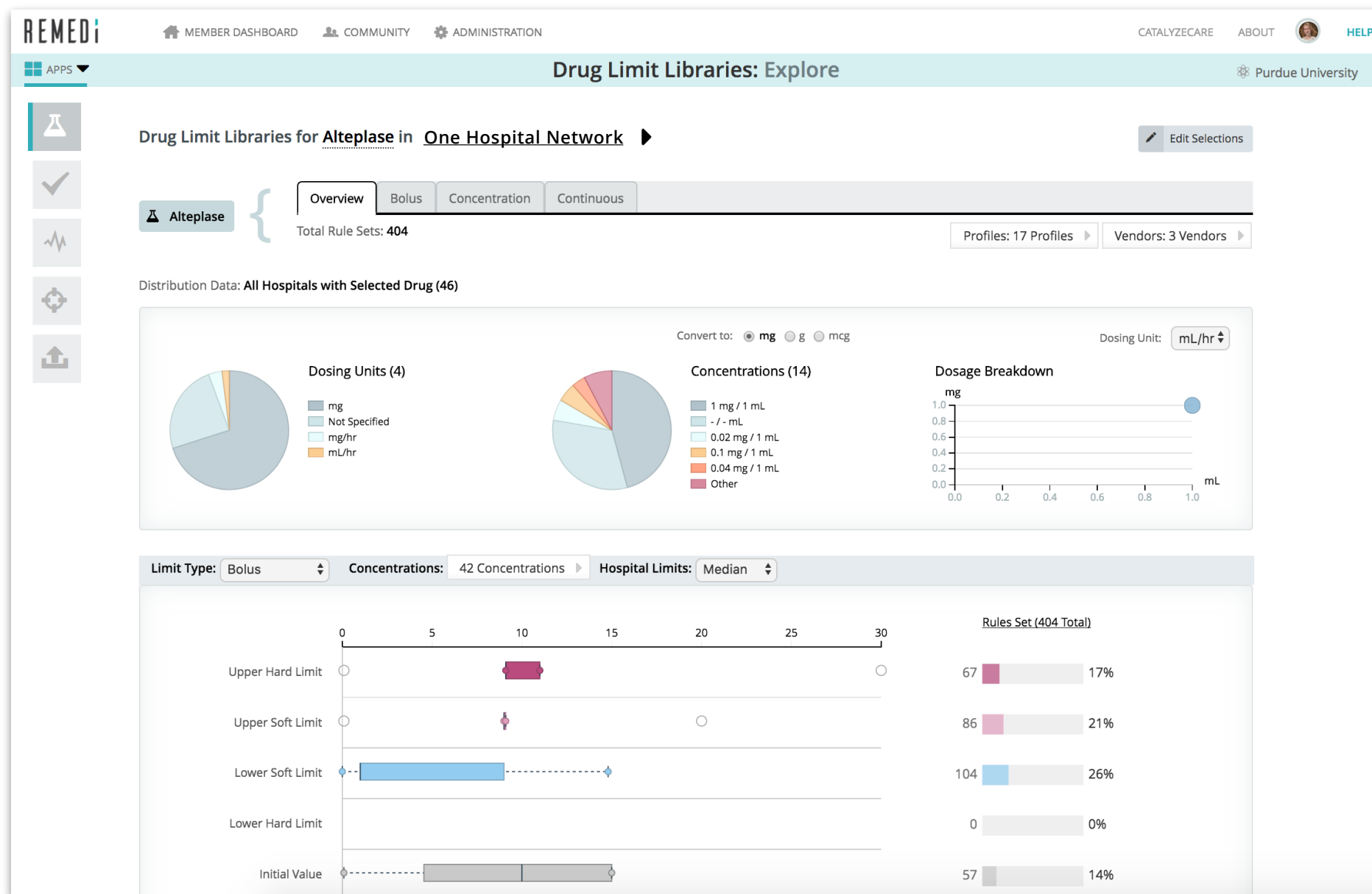UX/UI Designer, Creative Lead

DESIGN WORK SAMPLES

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(latest work) 2015-2018

REMEDI platform
Drug Limit Libraries tool. Statistical view.

USERS

Hospital pharmacists and nurses, members of REMEDI.

USER GOALS

View common concentrations, dosing units and dosage for a particular drug or fluid; compare hospital settings on infusion pumps to other hospitals.

MY WORK

Design of the app from A to Z - UI, user flow and interaction.

HTML, CSS and JavaScript coding of the interactive prototype and final app.
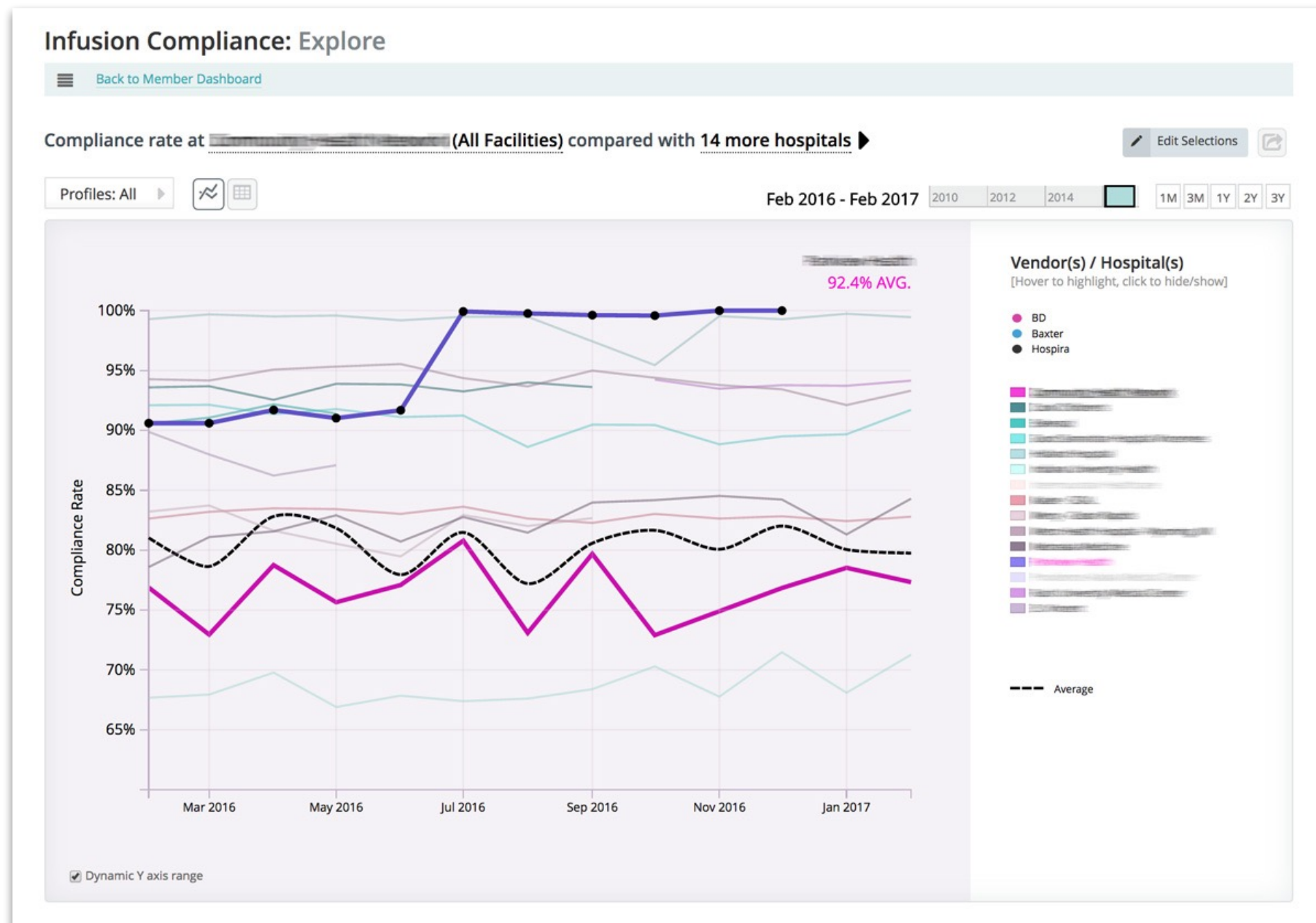
D3.js coding of the charts.

UI coding in ClojureScript + React.js.

This applies to all REMEDI work samples shown: REMEDI responsive template design and style guide.

PHP+MySQL programming to integrate with HUBzero platform.

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REMEDI platform
Infusion Pump Compliance tool. Chart view.

USERS
Hospital pharmacists and nurses, members of REMEDI.

USER GOALS
View trend in smart pump compliance in member hospital and benchmark against other hospitals.

MY WORK
Design of the app from A to Z - UI, user flow and interaction.

HTML, CSS and JavaScript coding of the interactive prototype and final app.

D3.js coding of the charts and UI components (time picker).

REMEDI platform
Infusion Pump Alerts tool.

Investigating Alerts in **My Hospital** ▶

✏ Edit Selections

Facilities: **All** | Profiles: **All** | Chart: **Alert Volume Trends** / Clinician Response / Advanced Analysis

+Add a Comparison

Show: Monthly Counts ▶   Drugs: All ▶   Filters: 1 Filter ▶

Jan 2015 - Jan 2016   2010   2013   1M 3M 1Y

GENERAL TREND   BY PROFILE   BY FACILITY   BY ALERT TYPE   BY FIELD LIMIT TYPE   BY ACTION TAKEN

Alert Counts by Month
Jan 2015 - Jan 2016

Jun 2015

My Hospital: **78**

■ My Hospital
┅ My Hospital Average

Alert Counts
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
Jan 2015   Mar   May   Jul   Sep   Nov   Jan 2016

Drugs by Alert Count

piperacillin/tazo — 741
HYDROmorphone — 582
Morphine — 461
Vancomycin — 305
Magnesium Sulf. IVPB — 304
Oxytocin — 285
Iron SUCROSE — 262
NSS — 143
cefTRIAXone — 140
Maintenance Fluid — 130

USERS
Hospital pharmacists and nurses, members of REMEDI.

USER GOALS
Analyze how alert volume changed each month or by time of day, which drugs/fluids generated most alerts and how clinicians responded to alerts.
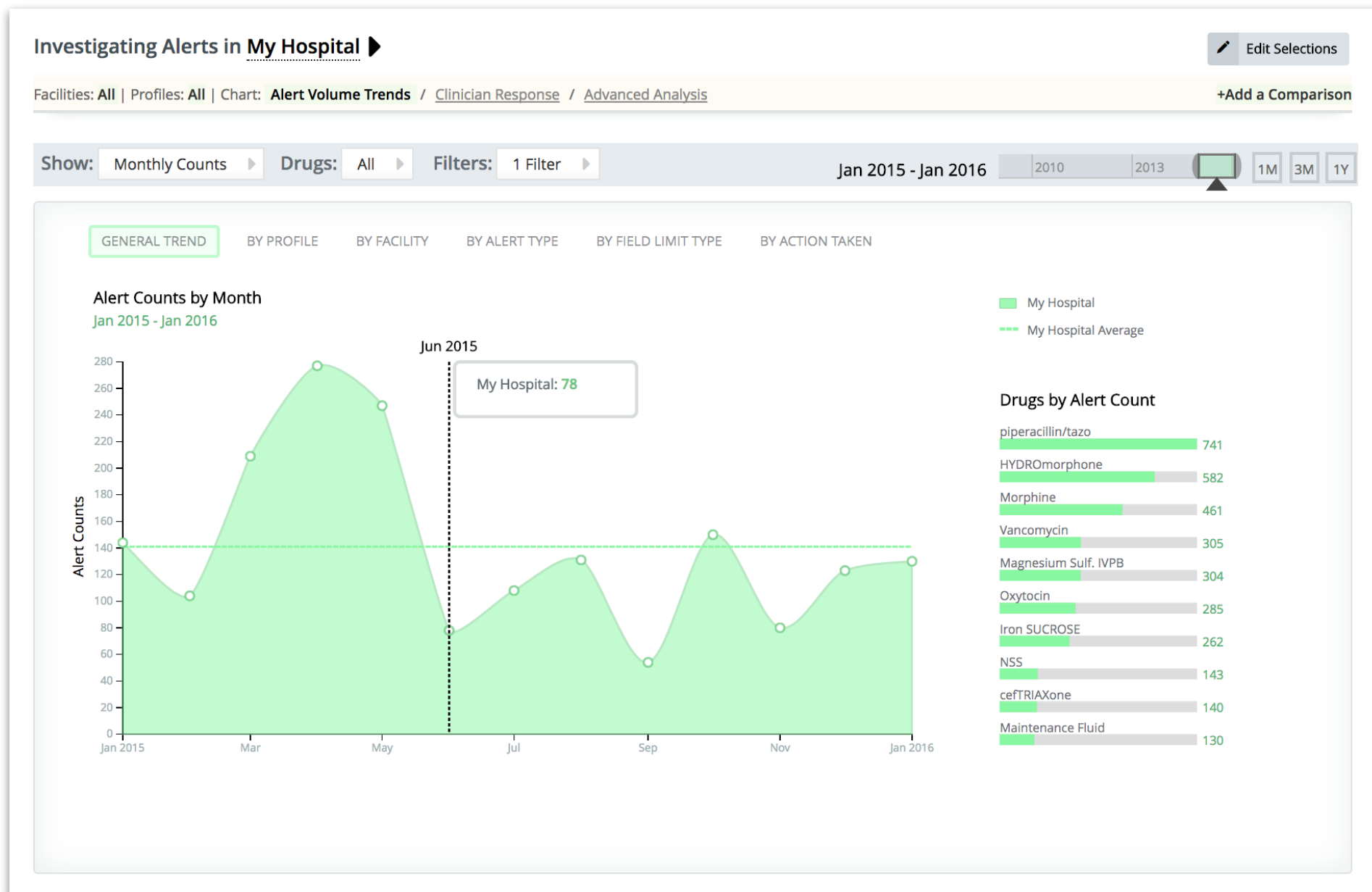
MY WORK
Design of the app from A to Z - UI, user flow and interaction.

HTML, CSS and JavaScript coding of the interactive prototype and final app.

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catalyzecare.org/remedi 2017-2018

REMEDI platform
Data Uploader app.

USERS
Hospital pharmacists and nurses, members of REMEDI.

USER GOALS
Load medical device data into REMEDI; map hospital-unique nomenclature to standard names to simplify cross-hospital comparison.

MY WORK
Design of UI, user flow and interaction. HTML, CSS and JavaScript coding. UI coding in ClojureScript + React.js.

Upload Data

Upload History

☰ Back to Member Dashboard

1 Upload a library file   2 Organize data   3 Review ✓

Upload a library file

Select a Hospital/Facility REQUIRED

Community Health Network ×

Select File(s) REQUIRED

| Eskenazi Datasets Set Sep2015.csv | CSV |
| H_A_hcdata.csv | CSV |

Click to select a file to upload

Uploading files... 36% complete

Upload and Process   Cancel

Instructions

Select a hospital and a file or files to upload. We currently accept

---

Upload Data

Upload History

☰ Back to Member Dashboard

1 Upload a library file   2 Organize data   3 Review ✓

🏥 Hospital D   Facilities ❯   Profiles ❯   Files
📄 H_D_indy.csv

Organize Data: Facilities
Please clarify which facility this item in your data maps to:

1 out of 3 items

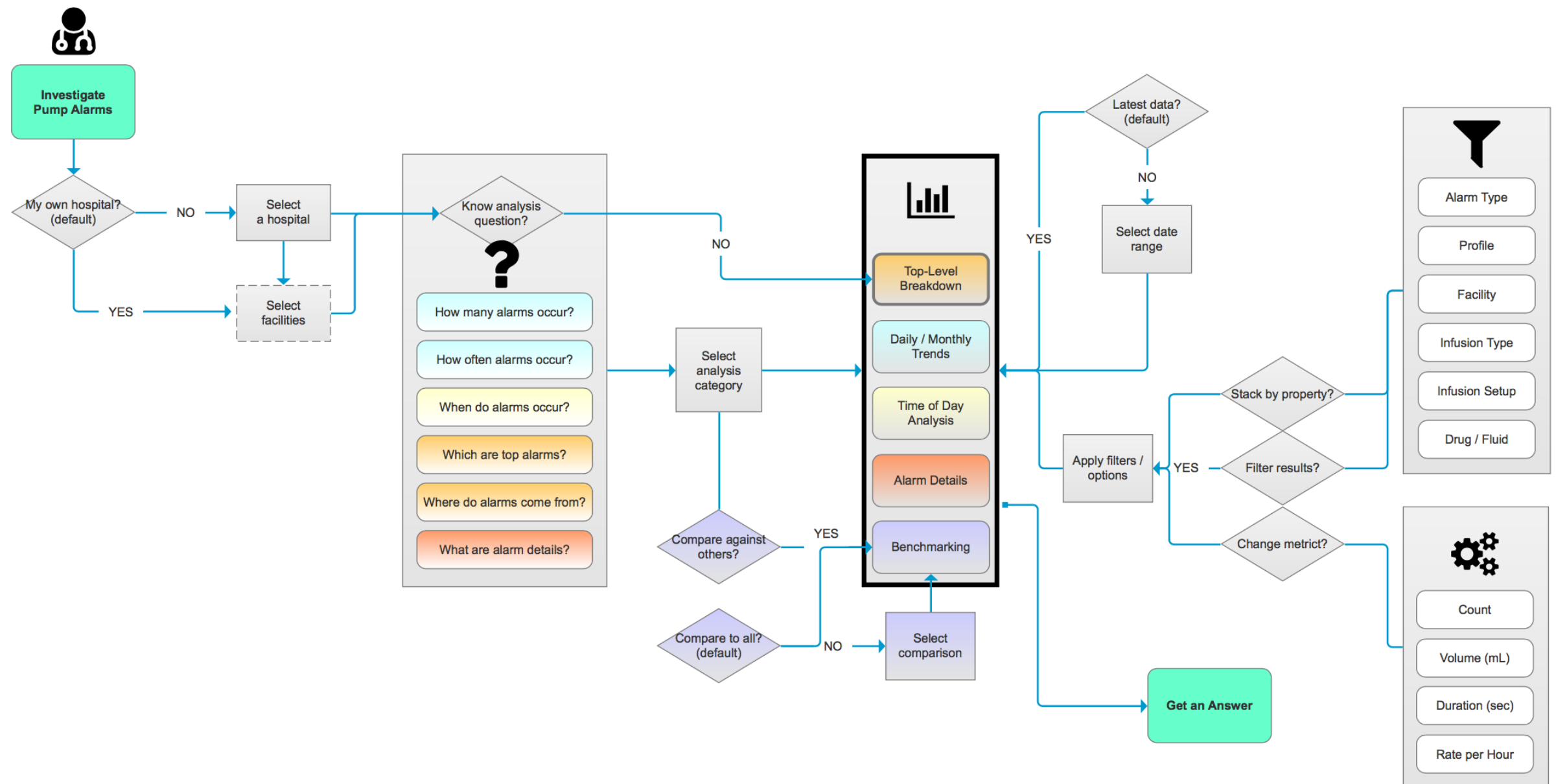Facility: **facility 1**   ◀ Previous   Save and Go Next ▶

Registered Facility REQUIRED

| 📋 East | 📋 South | 📋 Howard | 📋 District |
| 📋 North | 📋 West | 📋 Heart | |

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REMEDI platform.
Initial design stage. Pump Alerts app decision flow. Axure RP.

Investigate Pump Alarms

My own hospital? (default)
— NO → Select a hospital
— YES → Select facilities

Select a hospital → Select facilities

Know analysis question?

?

- How many alarms occur?
- How often alarms occur?
- When do alarms occur?
- Which are top alarms?
- Where do alarms come from?
- What are alarm details?

Select analysis category

Compare against others? — YES
Compare to all? (default) — NO → Select comparison

NO

- Top-Level Breakdown
- Daily / Monthly Trends
- Time of Day Analysis
- Alarm Details
- Benchmarking

Latest data? (default)
— NO → Select date range
— YES

Apply filters / options

Stack by property?
Filter results? — YES
Change metric?

Get an Answer

Filter options:
- Alarm Type
- Profile
- Facility
- Infusion Type
- Infusion Setup
- Drug / Fluid

Metric options:
- Count
- Volume (mL)
- Duration (sec)
- Rate per Hour

| WHERE? | WHAT? / WHY? | WHEN? | HOW? |

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REMEDI platform.
Wireframing the Pump Alarms app. Axure RP, Sketch.

Alarms App - Default View - Top-Level Analysis, Overview

REMEDI

REMEDI Navigation

Page title showing **WHERE** data comes from. Clickable to edit Hospital/Facilities

Investigating Pump Alarms in My Hospital (All Facilities)

Top-level App Controls

Apply/Edit buttons
Export options
Recent requests

Main analysis categories. **WHAT/WHY**

Analysis: | Top-Level | Trends | Time of Day | In-Depth | Benchmarking

▲ Time Range Picker   1M 3M 1Y

Time range selector. **WHEN**

Views by facets. **HOW**

Overview | By Type | By Setup | By Profile | By Facility | By Drug

Common Legend

Legend of alarm type groups (Top Alarms/Other Alarms)

Alarms by Type (Top 5)

Chart Area

Alarms by Infusion Type

Chart Area

Alarms by Profile

Chart Area

Alarms by Infusion Setup

Chart Area

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REMEDI platform.
Prototyping Drug Limit Libraries app.