

Overview:

The project ensures better healthcare and risk adjustment for patients by minimizing their cost of treatment. The client is a leader in risk adjustment, prevention and population care management services. They use cutting edge analytics to identify high-risk patients. They offer customized health plans as per patient's needs, care solutions and provide home based care solutions for patients. This helps to better manage the patients who had recently stayed in hospitals, or who have complex chronic medical conditions with the help of a team of doctors, physician assistants and nurse practitioners.

Client details:

Name: Confidential | **Industry:** Healthcare | **Location:** USA

Technologies:

BI, Java, Jira, MS SQL, C#, AngularJS

Platform - Windows, Mac, Linux

Project Description:

This project provides better healthcare and risk adjustment for patients by minimizing their cost of treatment. It ensures the requirements of patients are taken care of including the cost of treatment, doctor visits, nurse practitioner facilities and home-based social care for patients with complex health issues.

The client faced multiple challenges while managing their operations:

1. Managing the data and records of each and every patient.
2. Managing the patient visit history as well as the doctor and nurse practitioner services.
3. Privacy of the patient from and managing secure access to the patient's information.
4. Calculating the total cost of care of the patient.

Salient features of the project:

1. The patient fills the form and applies for a doctor or nurse visit.
2. Our client connects with the patient 15 minutes before the scheduled time.
3. All the medical records of the patient are managed in the application.
4. If the patient requires further medical help, they can apply for assistance and get immediately connected with nurse partners or doctors as per their requirement.
5. The patients are provided with the medical insurance plans as per their requirements to save their money.

Solution Implemented by Mindfire:

QA Testing was done as which was managed with HIPPA Compliance. Solution was provided as to improve the application and quality software was implemented to monitor the health of patients in an improvised way.

Testing Implemented:

1. Regression Testing
2. Form Testing
3. Database Testing
4. Performance Testing
5. User-interface Testing
6. Scenario Testing

Development Cycle Process:

1. Requirement gathering Phase.
2. Grooming of the user stories.
3. The user stories are tagged with “ready for development”.
4. Post development it is tested first on UAT Environment.
5. Further testing happens on TRAIN Environment.
6. After the User acceptance testing, the status is set to “done”.
7. And at the time of release, it is deployed to the live environment.

Results/Benefits of the Project:

1. It helps to ensure that the applications are Compatible on multiple platforms.
2. The project identifies security issues across the app to prevent data leakage and privacy.
3. UX based testing was done for better patient experience.
4. Faster execution of the regression test suite before each release helps to release the application smoothly.
5. Daily as well as Weekly Reports with Metrics for better visibility and control.

Screenshots



This screenshot shows the 'IHA Assessment' form in a web application. The form is titled 'IHA Assessment' and includes a 'Patient Information' section with fields for 'First Name', 'Last Name', 'Date of Birth', 'Gender', 'Race', and 'Ethnicity'. There is also a 'Medical History' section with a 'History of Illness' field. The form is overlaid with a large 'DRAFT' watermark.

Screenshot 1: IHA Assessment Form records Info of member enrolled in IHA Health Plan



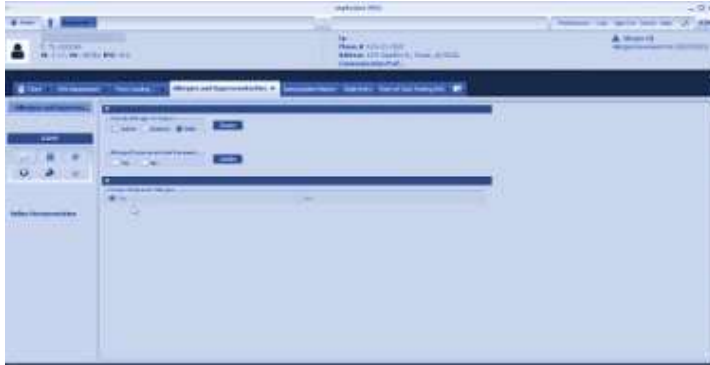
This screenshot shows the 'Patient History' form in a web application. The form is titled 'Patient History' and includes a 'Patient Information' section with fields for 'First Name', 'Last Name', 'Date of Birth', 'Gender', 'Race', and 'Ethnicity'. There is also a 'Medical History' section with a 'History of Illness' field. The form is overlaid with a large 'DRAFT' watermark.

Screenshot 2: Patient history records for patient's diseases



This screenshot shows the 'Patient Health Questionnaire' form in a web application. The form is titled 'Patient Health Questionnaire' and includes a 'Patient Information' section with fields for 'First Name', 'Last Name', 'Date of Birth', 'Gender', 'Race', and 'Ethnicity'. There is also a 'Medical History' section with a 'History of Illness' field. The form is overlaid with a large 'DRAFT' watermark.

Screenshot 3: Patient Health Questionnaire records all questions at the time of filling assessment form



This screenshot shows the 'Allergies and Hypersensitivities' form in a medical software interface. The form is titled 'Allergies and Hypersensitivities' and includes a 'Save' button. It features a table with columns for 'Allergy Name', 'Severity', and 'Onset Date'. The table is currently empty. The form also includes a 'New Allergy' button and a 'Delete Allergy' button. The interface includes a sidebar with navigation options and a top header with patient information.

Screenshot 4: Allergies and hypersensitivities form records all allergies patient has.



This screenshot shows the 'Vital Entry' form in a medical software interface. The form is titled 'Vital Entry' and includes a 'Save' button. It features a table with columns for 'Vital Sign', 'Value', and 'Date'. The table is currently empty. The form also includes a 'New Vital' button and a 'Delete Vital' button. The interface includes a sidebar with navigation options and a top header with patient information.

Screenshot 5: Vital Entry form records vital detail of Member



This screenshot shows the 'Immunization History' form in a medical software interface. The form is titled 'Immunization History' and includes a 'Save' button. It features a table with columns for 'Immunization Name', 'Date', and 'Status'. The table is currently empty. The form also includes a 'New Immunization' button and a 'Delete Immunization' button. The interface includes a sidebar with navigation options and a top header with patient information.

Screenshot 6: Immunization History record all immunization administered by Member