

## Testing Automation

Helping a large US Healthcare Provider Automate Testing with EPIC

### BUSINESS CHALLENGE

Our Client is a large U.S. healthcare provider with numerous hospitals and outpatient facilities. The current testing environment at the client's facilities comprised inefficient test design and execution mechanism. Application testing was done in silos and was not standardized resulting in repetition of the testing procedures across the testing ecosystem which gave rise to operational inefficiencies. Nonstandardized procedures also meant that SMEs and analyst spent more time supervising each test reducing their productivity drastically. Additionally, the creation of multiple test design mechanism resulted in high volume and dispersed data on testing.

### SOLUTION

The client collaborated with Atos Syntel to improve test design efficiencies and put in place a robust and standardized test design environment. Atos Syntel implemented EPIC, a popular Electronic Health Records (EHR) management system that helped optimize testing of applications and effective management of patient data. We implemented EPIC across five hospitals and 32 outpatient facilities

Atos Syntel reviewed the current test scenarios across the application ecosystem, test planning needs and dependencies and replaced them with a standardized and efficient testing ecosystem. We also envisioned a comprehensive automation POC to identify automation tool of choice for Epic testing helping identify automation candidates to maximize ROI. The newly devised automated testing environment required a minimum time commitment from the SME and analysts and increased working efficiencies.

Additionally, we successfully executed EPIC release testing which included integration, regression, and end-end testing with more than 160 test scenarios covering all business areas.

### BUSINESS VALUE DELIVERED

EPIC helped in creating an automated and standardized testing environment for the client resulting in more than **40% costs savings**. Automation is also helping **increase employee productivity** as testing required minimum human intervention and dependency on business stakeholders. EPIC helped organized test data sequentially which helped in generating reports that **enabled better business decisions**. Automation of the testing ecosystem will have a greater impact on patient health. Availability of accurate data will help the hospitals to diagnose patient ailments faster and provide timely treatment to the patients.