# EHR Implementation Plan

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INFO-C451 October 2025

### **Project Overview**

Indiana Medical Center plans to modernize by deploying a new Electronic Health Record system.

Improvement Goals:

- -Accuracy of patient info
- -Efficiency of daily operations
- -Quality of care

### **Development Methodology**

This EHR project follows Agile development in order to develop in an iterative manner.

#### Benefits of Agile:

- -Promotes flexibility based on feedback
- -Allows for collaboration between IT and medical staff
- -Reduces project risk by phased testing

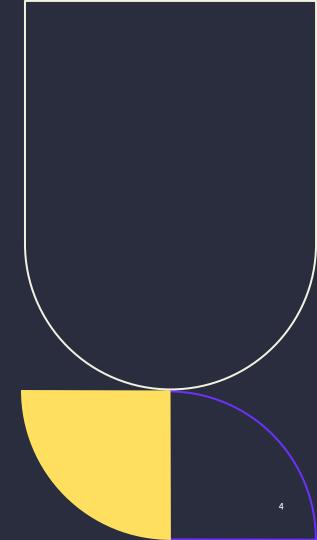


## Planning Objectives

Extensive planning helps keep the project organized, in scope, and on time.

#### Planning Objectives:

- -Define all project goals and scope
- -Create a project timeline/schedule
- -Track progress with regular meetings
- -Hold early training sessions to familiarize staff



# Risk Assessment/Mitigation

Finding and addressing risks early can help prevent critical project issues.

Risk	Impact	Mitigation Strategy
Data migration errors	High	Validate data, create backups, run migration tests
User resistance/lack of training	Medium	Early training and user support
Security breaches	High	Encrypted data and user access controls
System downtime	Medium	Roll out updates during low activity errors
Data integration errors	Medium	Test system connections and compatibility early

### **Installation Approach**

The EHR system will use a phased installation approach, gradually updating all departments.

Benefits of phased installation:

- -Early feedback from pilot departments
- -No delays in daily operations
- -Minimize risk of lost data, system failure, etc



### **Data Migration Plan**

Extract, Transform, Load process is used to ensure accurate data transfer.

Extract: Gather data from paper and legacy systems

Transform: Clean, validate, and format all data for new system

Load: Import verified data into the new EHR

### **Testing Plan**

Automated and manual testing helps ensure that the EHR system is ready for deployment.

#### Testing goals:

- -Verify that all core features of the EHR are working
- -Verify that data accuracy was maintained after transfer

#### Tools Used:

- -Selenium, Postman, Cypress for automated testing
- -Manual usability testing

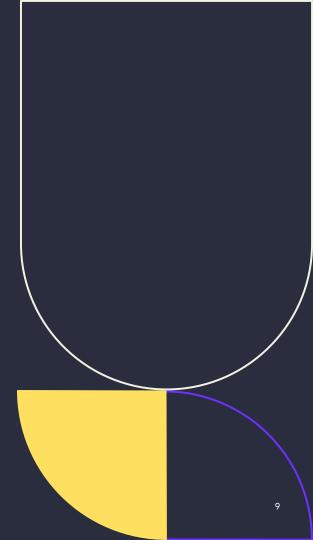


### **Key Success Factors**

The success of the EHR implementation relies on reliability, data accuracy, and improved efficiency.

#### Success factors:

- -User satisfaction and adoption
- -Data accuracy is maintained
- -System is stable and reliable
- -Workflow efficiency is increased



# Review/Improvements

Regular reviews and improvements based on user feedback allows the system to become even more efficient.

Post-Implementation Review:

- -Conduct review 2-4 weeks after launch
- -Gather user feedback and support tickets
- -Reevaluate project goals, timelines, and system performance