

EHR Implementation Plan

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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