

Test Plan: Patient Record Import Module

Objective: Validate the import process for patient records from CSV/XML into the EHR database ensuring accuracy, integrity, and security.

Scope: Functional and regression testing for the Patient Record Import feature including error handling, logging, and validation routines.

Test Environment: Windows Server 2022, MS SQL 2019, HP ALM 15.0, JMeter 5.6

Test Scenarios:

1. Import valid CSV file and verify record accuracy.
2. Import invalid data file and confirm proper error logging.
3. Validate duplicate handling and rollback mechanisms.
4. Conduct load test (50 concurrent imports) using JMeter.
5. Verify audit logs and access control compliance.

Expected Results: All imports are validated, logged, and reflected accurately in the database. Unauthorized access is blocked. System handles at least 50 concurrent imports without error.