

HealthCare Application Testing



The Client: Leading non-profit health system in the United States



Business Requirement



Validate the Clinical Trial application to ensure it is compliant with Regulatory Guidelines



Faster Regression Cycles - Need for Test Automation



Proven quality program to achieve multiple business benefits



Effective Testing strategy to satisfy the demands of both the public and the regulatory bodies



Our Solutions



Implemented Hybrid framework with reusable test artefacts | Performed regression automation at business process level



Introduced comprehensiveness in the framework for regular users to conduct UAT | UAT support for technical and data set up



Used QTP to automate test cases – Generate Reports and Maintain scripts | Supported for all the hotfixes and for two major releases



QTP script writers and Manual testers were trained in weeks | validated for proper clinical workflow for each unit and each patient



Business Impact



1500+ test cases automated in 16 weeks | 85% automation of all regression testing | Automation gained clinicians confidence with better performance and compliance



Reduced the test cycle time from 21 man days to 2 hours per cycle | System was validated for HIPPA / PHI / CMS guidelines



Increased business agility and improved business workflows with test case reusability



Minimised dependencies between teams and advanced time to market | Increased Operational Efficiency by reducing manual efforts.

Technologies – IIS, Asp.net, SQL Server 2005, AJAX

Tools: Automation Tool – HP UFT | Defect Tracking Tool – HP ALM