**National Aspergillosis Cantre Database (AspergillosisEPR)**

**Database Objectives**

This database manages and collates the data for patients of the National Aspergillosis Centre (NAC).

The idea is that the data sources for these patients is held in different places within the Trust and will be pulled in to a central repository so that it is easily accessible for audit and research purposes.

The patient data will be stored in a Microsoft SQL Server on a Manchester Foundation Trust virtual server.

The client software will be web based and will be written in a modern software framework, so that it is documented and maintainable.

The data should be available on any Trust computer, and should be secure and available to approved users via password authentication.

Users need to be approved via the Data Controller who will determine if the requested use is appropriate.

**Technical Overview**

The data will be held on a Microsoft SQL Server.

The client software is written in C# on an ASP.Net Core web application

(See Appendix 1 Technical Spec)

URL for Active website: v-uhsm-research:5000

The Main Database backend SQL Database is called AspEPR3 and is on a Trust Virtual Server called V-UHSM-RESEARCH. This runs a Microsoft SQLServer 2008 R2 instance.

On the same server there is another Database ASPEPRImport which is where the Trust dump a weekly digest of patients from Data Warehouse

The Database application is called AspergillosisEPR and is an ASP.NET CORE 2.0 applications and uses the following technologies:

ASP.NET CORE 2.0

Entity Framework Core (an object Relational Mapper for .Net Core)

Uses **Asp.Net Core Identity** for Authentication and Authorization.

The application uses role-based authorization.

Though the project is an MVC project, a lot of the UI uses various javascript packages to perform the data access and web formatting.

Uses:

Jquery

Jquery.datatables plugin for the form tables (See <https://datatables.net/>)

This is a client side plug in for jquery and is a major component of how AspergillosisEpr works.

The data is pulled into the tables using jquery ajax calls to the server side application returning data in JSON format.

Uses Bootstrap for the styling

The basic template is lifted from a product called SmartAdmin which is a commercial template, mainly some css and some widgets

To log on to **V-UHSM-MANRAB** On an NHS Computer.

At command prompt type **mstsc** (Microsoft Terminal Services Client) to RDP into Server

Computer 192.168.35.57

username: NHS Username

Password: NHS Password

When connected Open SSMS

Server Name: V-UHSM-RESEARCH\MANRAB

Authentication: SQL Server Authentication

User Name: mwalton

Password Wythenshawe12#

Admin password for AspergillosisEPR

User Name: sadmin

Password: P@$$w0rd212

This should give you full access to AspEPR3 and ASPEPRImport

This server is running .Net Core version 2.1.302