

## NCFRP Case Reporting System Security Information

### Hardware requirements:

An internet enabled PC. Touch-screen technology has not been thoroughly tested.

### Minimum software requirements:

We recommend Internet Explorer 11 or higher or Chrome. Safari is not supported. The system uses client-side java script in addition to server-side programming.

To test your system, we would be happy to set up a login to our training site, which does not contain PHI but functions the same as the production site.

As stated in the Data Use Agreement, MPHI is not responsible for any damage caused by viruses originating from any places not attributable to MPHI. It is strongly suggested that the end user have consistent/comparable security practices in place for data that is downloaded from the servers back to the end user.

### Description:

The application is hosted on an IIS 10 web farm consisting of two Windows Server 2016 Virtual Servers configured with four 3Ghz virtual processors running on an 8 node Dell VMware VX-Rail hyper-converged cluster in the primary datacenter. This web farm is supported with a Windows Server 2016, SQL 2017, dual 3.4Ghz processors and 32 GB ram on both nodes of a two node SQL AlwaysOn cluster. One cluster node is in the primary datacenter on the Dell VxRail, and the other in the Azure DR datacenter. We synchronized web farm applications and the supporting always on SQL cluster databases to our DR datacenter.

The servers are located at the MPHI campus, and is fully capable of handling current and future high density systems and employs the latest server virtualization technologies. Some highlights of the infrastructure include:

- A location with a low risk of floods, tornados and earthquakes;
- Raised floor to allow for unobstructed cooling;
- Protected by an inert gas fire suppression system;
- Fully equipped with secure access “prox” cards, video surveillance and a 24x7 remotely monitored fire detection and security system;
- UPS battery backup and a generator on site in case of power loss; and
- Redundant communication provided via two independent Internet Service Providers using underground fiber at gigabit speeds.