

Abstract

A survey was done in Sri Lankan government healthcare institutions where Electronic Health Information systems are available. This survey was done in eight healthcare institutions in different districts and it covered all the major Electronic Health Information systems. The available Computer equipment, Computer hardware related standards and interoperability were identified. The future needs were identified through a stakeholder interview. An interviewer administered questionnaire was used for system analysis and the stakeholder interview. Through a literature survey, internationally recognized Computer hardware inter compatibility, safety, power saving and dependability standards were studied and compared with Sri Lankan standards.

It was found that most Electronic Health Information systems were using General Purpose Computers only in most instances. Infrequently the systems were incorporated with Electro Medical Equipment and compatibility issues were present between these equipment. Standards for safety, power saving and dependability were not considered most of the times.

The Computer hardware procurement, maintenance and decommissioning procedure was observed and the areas for further improvements were identified. Guidelines were given for the computer hardware procurement, maintenance and decommissioning and proposals were given for forming hardware management committees.

The General Computer and Electro Medical equipment in a clinical setup which would be incorporated in an Electronic Health Information system were identified and guidelines were given with regard to intercommunication between these devices.