

ABSTRACT

Provision of basic health care is one of the prime responsibilities of the government with Maternal and Child Health program constituting an important component of the health care system. Sri Lanka has achieved many successes in the field of Maternal and Child Health during the past few decades.

The current Logistic Management Information System (LMIS) for the Maternal and Child Health program in Sri Lanka is mainly paper-based and proves to be labor intensive. As a result, received paper based data are often not helpful for central management decision making because they are incomplete, inaccurate and untimely. There is a need for introducing the web based logistic management system in order to improve the efficiency and effectiveness of current LMIS.

There are a very few generalized LMIS software available in the new market and it is not freely available. This project focused on the Free and Open Source Systems. District Health Information Software (DHIS) is free and open source software system recommended by World Health Organization. DHIS modular architecture is a great advantage considering of customization to a new context. Therefore, proposed system is developed by DHIS2.

Once the system is implemented throughout the country, it brings the potential benefits of minimizing the paper-based components, streamlining the process and increasing communication between various levels of the supply chain. This Web based LMIS software is used for logistics automation, which helps the supply chain industry in automating the workflow as well as management of the system.