

# **Managing Medical Data in Clinical Practice and Diagnostics in a Developing Economy**

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**Abstract**— In developing economies there are still no dependable, assured, and networked health care systems which utilize the improved ICT technologies to fight and combat the scourge of increasingly deadly and dilapidating diseases such as malaria and HIV. In this paper we propose an Integrated Health Records Management System (IHRMS) which is web-based collaboration/integration system to allow tracking of patient medical history and prognosis and to manage medical data and information in clinical practice and diagnostics. Using a case study, we will show that IHRMS is a flexible system whereby medical departments can be integrated seamlessly.

**Keywords:** Integrated Health Records Management Systems (IHRMS), ICU, development, ICT