

## **Benefits of Healthcare Documentation Technology in healthcare quality management: experience, perspectives and challenges**

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Healthcare Documentation Technologies (HDT) are considered as an essential part of modern healthcare system. Thanks to advanced information technologies, nowadays, almost all healthcare facilities use Electronic Health and Electronic Medical Records in developed world, however, this is a new era for developing countries. This review shows the benefits of HDT in terms of healthcare quality management as well as the perspectives and challenges of HDT for developing countries. Involvement of information technologies in healthcare has significantly positive impact on the effectiveness and quality of provided medical service. E-Health has changed the way healthcare professionals manage the patients. Reduced mistakes, improved clinical data, developed research approaches, organization and societal outcomes are few from the impacts of modern healthcare technologies. Moreover, Health Information System is of utmost importance for low resource settings, as it makes national healthcare system more efficient and effective. Evidence from several studies suggests that the E-Health System is especially beneficial in the context of communicable and chronic disease management as it is successfully implemented in the management of HIV, TB and Diabetes (Fraser et al., 2012, Ali et al., 2011). Open-Source Solutions Electronic Health Record (OSS) and Open Medical Record System can be named as greatest achievements of healthcare technologies in developing settings (Akanbi et al., 2012, Avelino et al., 2012). Even though, HTD still remains as a challenge for many low-income countries, where due to a significant economic and financial difficulties, establishment of E-Health approaches seems almost impossible and unrealistic. The most important challenge for adopting modern electronic health tools in developing settings seems to be a cost of the infrastructure and maintenance. Systematic review of E-Health requirements and limitations examines following aspects: integrated applications, patient portal, customer report, information coding system, and community support (Syzdykova et al., 2017). The value of Medical Documentation is essential for high quality of patient care; technology-enabled healthcare makes it possible. Transformation of health information technology and present healthcare data is needed in modern healthcare system. Healthcare Documentation should be reviewed systematically as process itself which demonstrates what can be improved and how. Moreover, governmental organizations, as well as international agencies operating in the field of health issues are responsible for ensuring that country's healthcare system consists of effective and efficient, technology-enabled healthcare documentation.

**Abbreviations:** EHR - Electronic Health Record, EMR - Electronic Medical Record, HDT - Health Documentation Technology, SRT –Speech Recognition Technology, HIV - Human Immunodeficiency Virus, TB -Tuberculosis

**Keywords:** EHR, EMR, HDT, SRT, healthcare quality management, developing countries