

The Importance of Data Accuracy and Management in Healthcare

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Abstract

Effective usage and storage of data are significant in the healthcare industry because this information can influence healthcare services, patients' satisfaction with a healthcare provider or organization, the efficiency of the working process of healthcare providers, and the safe storage of patients' data. Health data help doctors to maintain a comprehensive picture of patient's overall health, including previous treatments and diseases. Electronic Health Records (EHRs), used by 90% of healthcare organizations in the United States, are the most widely used system for storing health data. EHRs include but are not limited to data about administrative and clinical issues, demographics, treatments, symptoms, immunizations, prescription drugs, and radiology information. As such, EHRs can be powerful tools in achieving the Healthcare Quadruple Aim: improved health for patients and populations; enhanced patient experiences; lower healthcare costs; delivery of equitable care; and the well-being of medical professionals. Yet, for all the potential benefits offered by EHRs, healthcare providers may face challenges while using these tools. These problems relate to the confidentiality of data, ethical risks, records integration across multiple EHRs, data sets, management, and training costs required to use the supporting software.

KEYWORDS: Healthcare, Data, Data Management, Data Quality