International Journal of Computer Science and Engineering (IJCSE) ISSN (P): 2278–9960; ISSN (E): 2278–9979

Vol. 13, Issue 2, Jul–Dec 2024; 1187–1224

© IASET

International Academy of Science,
Engineering and Technology
Connecting Researchers; Nurturing Innovations

OPTIMIZING HEALTHCARE DATA COLLECTION AND REPORTING FOR NCQA ACCREDITATION

Krishna Prasath Sivaraj¹ & Prof.(Dr.) Vishwadeepak Singh Baghela²

¹The University of Toledo -2801 Bancroft St, Toledo, OH 43606, United States ²School of Computer Science and engineering at Galgotia's University, Greater Noida, India

ABSTRACT

Optimizing healthcare data collection and reporting for NCQA accreditation is an essential step in enhancing the quality of care provided by healthcare organizations. It involves using advanced technologies, efficient methodologies, and best practices to make data management easier, accurate, and enhance reporting standards. With the increasing complexity in healthcare systems, integrating automated systems like EHR and data analytics tools can significantly improve the efficiency of data collection. Moreover, standardized reporting protocols help organizations meet the stringent requirements set by NCQA for quality measures.

Effective optimization includes data validation techniques, real-time monitoring, and seamless integration of diverse data sources. Ensuring interoperability between various technologies in healthcare allows for the efficient exchange and aggregation of data, reducing redundancies and errors. Regular audits and training programs for healthcare providers and data analysts are important to maintain the integrity of the data collection process and reporting practices. Taking a data-driven approach can assure these healthcare organizations that they not only meet the NCQA standards but also improve the overall quality of service.

This paper discusses important strategies and innovations in data management for NCQA accreditation, emphasizing the critical role of accurate reporting in the evaluation process. The optimization of data collection and reporting mechanisms ultimately enables healthcare organizations to achieve better clinical outcomes, operational efficiencies, and improved patient experiences while meeting the accreditation standards necessary for continued growth and success.

KEYWORDS: Healthcare Data Optimization, NCQA Accreditation, Data Collection, Reporting Standards, Electronic Health Records, Data Validation, Healthcare Interoperability, Quality Measures, Data Analytics, Healthcare Technology, Clinical Outcomes, Accreditation Compliance, Operational Efficiency

Article History

Received: 09 Dec 2024 | Revised: 12 Dec 2024 | Accepted: 14 Dec 2024

www.iaset.us editor@iaset.us