

IMPROVING BEHAVIORAL HEALTH DATA QUALITY THROUGH DATA INTEGRATION AND REPORTING FRAMEWORKS

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ABSTRACT

Improvement in the quality of behavioral health data is critical to enhancing patient outcomes, optimizing care processes, and ensuring the effective use of healthcare resources. This paper examines how data integration and reporting frameworks can be used to address the challenges that arise with behavioral health data quality. Despite increasing in importance, data fragmentation and inconsistencies across sources hinder the ability to create actionable insights into behavioral health. A strong framework for data integration will help ease the combining of different datasets from EHRs, HIEs, and behavioral health-specific systems. This may lead to the creation of a single, more comprehensive data source that provides a better overview of patient information essential for clinical decision-making. Similarly, by applying advanced reporting frameworks using tools such as data visualization, predictive analytics, and real-time dashboards, it is much easier for healthcare providers to observe trends, recognize gaps in care, and ensure better coordination across multidisciplinary teams. Quality in behavioral health data can be improved to a great extent by promoting standardized terminologies, data governance, and ensuring that all data collected are compliant with privacy regulations. This study epitomizes the potential of integrated data solutions in transforming behavioral health systems, driving evidence-based practices, and enhancing care delivery. In the long run, this will lead to more personalized and effective behavioral health interventions, guaranteeing better long-term outcomes for both patients and healthcare organizations.

KEYWORDS: Behavioral Health, Data Quality, Data Integration, Reporting Frameworks, Electronic Health Records, Health Information Exchanges, Predictive Analytics, Data Visualization, Healthcare Interoperability, Patient Outcomes, Care Coordination, Data Governance, Privacy Regulations, Evidence-Based Practices..

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