

The Healing Power of Data: A Novel Data Visualization Solution Which Can Help Improve Patient Quality and Safety Through Data Democratization

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Abstract: Public health informatics plays a pivotal role in transforming healthcare delivery and improving population health outcomes. The National Healthcare Safety Network (NHSN) is a web-based system created and managed by the Center for Disease Control and Prevention (CDC) and utilized by both the CDC and healthcare facilities to monitor data, such as healthcare-associated infections (HAIs), antimicrobial use and resistance, and other healthcare events and processes. Although the data is readily available, it is usually in a raw format, which makes it difficult for organizations to analyze and draw conclusions. Diagnose Data, Inc. seeks to employ this informatics data in an interactive dashboard where users can visualize and make inferences on improving patient and procedure outcomes hospital-wide.