

Challenge: Having Actionable Data Available

Healthcare organizations today are flooded with data and face increasing pressure to make sense of it all. Clinicians rely on data to make informed decisions at the point of care, but too often they do not get the right type of data at the right time. Instead, they see too much data or data that is not formatted to drive meaningful patient care.

Solution: Use Spacelabs software products to make analytics available in actionable formats to care team members wherever they are located. This is critical given the current labor shortages in healthcare that require care team members to have more responsibility than ever before. By using meaningful analytics, healthcare systems can optimize patient care, enhance care team satisfaction, and improve overall hospital financials.

Cause: The volume of healthcare data is increasing every minute. Each patient generates hundreds of megabytes of data each year, from electronic medical records to activity logs on personal use fitness trackers. The volume of data and mixture of data sources is growing exponentially, producing a huge amount of information about patients' medical histories, socio-economic circumstances, user preferences and lifestyles.

Considerations: The delivery of patient care generates large amounts of patient data for diagnosis, treatment, record keeping, and regulatory compliance. Historically, much of this data has been stored in paper form, unstructured and siloed. Electronic health records (EHR) helped digitize the data, but the next evolution is to make sense and utilize the data, as that is where the value is. The data can provide meaningful insights on operations, how best to refine workflows, as well as track key performance metrics established by departments or facilities.

Implementation Requirements: Spacelabs software products are adaptable and can be deployed to meet the specific needs of each clinical area. Features can be implemented in phases based on the needs of your care teams, patient census and other ongoing projects that may be dependent on the same IT or clinical resources. Spacelabs professionals undertake a comprehensive, investigative approach to ensure your organization makes the best choice based on short-term and long-term clinical, technical, and financial objectives.

Post-Implementation Impact: Actionable data is available to the right staff at the right time. On demand and customizable reports provide data to help with critical decision-making thus reducing risk. Results include improved workflow efficiencies and patient outcomes using reports that facilitate and document communications, patient dashboards, and on-demand reporting and analytics.

References: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6486797/>
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4341817/>