

# Patient-centric Data Management: Improving Patient Engagement and Data Collection

Andreas Wurt\*

Department of Pharmacoeconomics, University of Medicine and Pharmacy of Craiova, Craiova, Romania

## Introduction

In the ever-evolving landscape of healthcare, patient-centricity has emerged as a crucial paradigm shift. Traditional healthcare systems often placed the primary focus on disease management and clinical outcomes, with patients playing a passive role in their own care. However, the 21st century has witnessed a transformative shift towards patient-centric care, where patients are active participants in their healthcare journey. Central to this transformation is patient-centric data management, a concept that not only empowers patients but also enhances data collection and ultimately leads to better healthcare outcomes. This comprehensive exploration delves into the realm of patient-centric data management, its significance in improving patient engagement and data collection, and its potential to revolutionize healthcare as we know it. We will examine the key components of patient-centric data management, its challenges and opportunities, the role of technology, and real-world examples of its successful implementation.

## Description

Patient-centric data management revolves around the idea that healthcare data should be patient-driven, patient-controlled, and patient-accessible. It encompasses various aspects of data collection, storage, and utilization, all aimed at prioritizing the patient's needs, preferences, and involvement. Key components of patient-centric data management include. PGHD refers to health-related data that patients collect, record, and manage themselves. This can include information from wearables, apps, and personal health records. PGHD empowers patients by allowing them to actively participate in their healthcare, track their progress, and share data with healthcare providers for more informed decision-making. EHRs play a pivotal role in patient-centric data management. These digital records consolidate a patient's medical history, diagnoses, medications, and treatments in one accessible platform. Patients can review their EHRs, ensuring accuracy and actively engaging in discussions about their care [1,2].

One of the challenges in healthcare is the siloed nature of data. Patient-centric data management aims to break down these silos by promoting data interoperability, enabling seamless sharing of information between different healthcare providers and systems. This ensures that patients' data is readily available when needed, leading to more comprehensive and coordinated care. Patient-centric data management empowers patients to make informed decisions about their healthcare. With access to their health data, patients can actively participate in discussions about treatment options, potential risks, and long-term outcomes, fostering a sense of ownership and accountability. Patient

engagement is a cornerstone of patient-centric care and data management. Engaged patients are more likely to take an active role in managing their health, adhere to treatment plans, and experience better health outcomes. Here are some ways in which patient engagement is significantly enhanced through patient-centric data management [3].

In a patient-centric approach, healthcare decisions are made collaboratively between patients and providers. Patients have access to their health data, allowing them to ask questions, express concerns, and actively participate in decisions about their treatment. This shared decision-making process improves patient satisfaction and outcomes. Access to their health data and educational resources empowers patients to become more health literate. They can better understand their conditions, treatment options, and preventive measures. This leads to improved adherence to prescribed treatments and healthier lifestyle choices. Patient-generated health data, such as data from wearables and health apps, allows for continuous monitoring of a patient's health status. This real-time data can alert both patients and providers to potential issues, enabling early interventions and preventing complications. Patient-centric data management enables the tailoring of care plans to individual patient needs. Providers can use patient data to develop personalized treatment strategies, taking into account a patient's medical history, preferences, and goals.

Integrating PROs into clinical trials and regulatory submissions provides a holistic view of a drug's effects beyond traditional clinical endpoints. Real-world evidence, derived from sources like electronic health records and patient registries, offers insights into how drugs perform in real-world settings. Incorporating RWE into regulatory decision-making allows for a more comprehensive understanding of a drug's effects, including long-term outcomes and variations in patient populations. Regulatory agencies have released guidance documents that encourage pharmaceutical companies to include patient perspectives in their submissions. These documents outline methodologies for collecting and incorporating patient input, promoting consistency and transparency in the process.

With increased patient access to health data comes the responsibility of ensuring data privacy and security. Healthcare organizations must invest in robust cybersecurity measures to protect sensitive patient information. Not all patients have equal access to technology or the skills to manage their health data effectively. This can exacerbate existing health disparities. Ensuring that patient-centric data management is inclusive and accessible to all is a critical challenge. Achieving seamless data interoperability between different healthcare systems and providers remains a complex challenge. Standardization efforts are ongoing but require continued investment and cooperation [4,5].

## Conclusion

A healthcare system in Pennsylvania, implemented the patient portal. This portal allows patients to access their health records, schedule appointments, and communicate with their providers. It has resulted in higher patient satisfaction and better adherence to care plans. The OpenNotes initiative encourages healthcare providers to share their clinical notes with patients. Patients gain access to their providers' notes, fostering transparency and collaboration. Studies have shown that OpenNotes improves patient engagement and medication adherence. Apple's Health Records feature allows users to store and access their medical records on their iPhones. This initiative promotes patient-centric data management by putting health data in

\*Address for Correspondence: Andreas Wurt, Department of Pharmacoeconomics, University of Medicine and Pharmacy of Craiova, Craiova, Romania, E-mail: andreaswurt@gmail.com

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the hands of patients, making it easy to share with healthcare providers. The Cleveland Clinic's My Chart platform offers patients a comprehensive view of their health information, including lab results, medications, and appointment schedules.

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## Conflict of Interest

There are no conflicts of interest by author.

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## References

1. Hickey, Blake Anthony, Taryn Chalmers, Phillip Newton and Chin-Teng Lin, et al. "Smart devices and wearable technologies to detect and monitor mental health conditions and stress: A systematic review." *Sensors* 21 (2021): 3461.
2. Hellmann, Matthew D., Tudor-Eliade Ciuleanu, Adam Pluzanski and Jong Seok Lee, et al. "Nivolumab plus ipilimumab in lung cancer with a high tumor mutational burden." *N Engl J Med* 378 (2018): 2093-2104.
3. Brahmer, Julie R., Jong-Seok Lee, Tudor-Eliade Ciuleanu and Reyes Bernabe Caro, et al. "Five-year survival outcomes with nivolumab plus ipilimumab versus chemotherapy as first-line treatment for metastatic non-small-cell lung cancer in CheckMate 227." *J Clin Oncol* 41 (2023): 1200.
4. Rizvi, Naiyer A., Byoung Chul Cho, Niels Reinmuth and Ki Hyeong Lee, et al. "Durvalumab with or without tremelimumab vs standard chemotherapy in first-line treatment of metastatic non-small cell lung cancer: The MYSTIC phase 3 randomized clinical trial." *JAMA Oncol* 6 (2020): 661-674.
5. Socinski, Mark A., Robert M. Jotte, Federico Cappuzzo and Francisco Orlandi, et al. "Atezolizumab for first-line treatment of metastatic nonsquamous NSCLC." *N Engl J Med* 378 (2018): 2288-2301.

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