

Co-designing Customizable Clinical Dashboards with Multidisciplinary Teams: Bridging the Gap in Chronic Disease Care

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Background

- Chronic Diseases affect an ever-increasing proportion of the global population
- Multidisciplinary care teams contribute to provide patient-centered care
- Technological devices advancements can revolutionize chronic disease monitoring



- Communication challenges in multidisciplinary teams
- Dashboards for multidisciplinary care teams face unique challenges that are overlooked in traditional ones

Goal

Explore the challenges and opportunities of multidisciplinary clinical dashboards as tools to support clinicians caring for people with chronic diseases

- Two-pharse study
- Participants from different clinical areas and a tertiary private clinical institution focusing on neurological conditions

Methods

Focus Group

- 11 participants
- 1 session + post-session activities
- Affinity Diagram

- 15 participants
- 6 sessions
- Group Discussion + Co-design
- Thematic Analysis

Workshop

Findings

- Current Clinical Practices and Technological Tools
- Values in Technology
 - Monitor at-home scenarios
- The Role of Visualization
 - Two-level Dashboards
 - Customization
 - Dynamic Dashboards
- Sharing in Multidisciplinary teams



Implications

- Dashboards as Trigger for Action
 - Stimulate discussions with patients
- Multidisciplinary Teams Collaboration
 - Adaptable feature and mechanisms to support individual needs
- Customizable Dashboards
 - Adapt real-time data exploration during appointments

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For dashboards to be useful for clinical practice, we need to consider the tradeoffs between empowering patients while upholding the clinical utility for healthcare professionals