

Association for Information Systems

AIS Electronic Library (AISeL)

DIGIT 2020 Proceedings

Diffusion Interest Group In Information
Technology

12-11-2020

Patient-Centric Decision-Making Health Information System (PDM-HIS) Adoption Framework

Raja Manzar Abbas

University of Limerick, manzar.abbas@ul.ie

Ita Richardson

University of Limerick, ita.richardson@lero.ie

Noel Carroll

University of Ireland Galway, noel.carroll@nuigalway.ie

Follow this and additional works at: <https://aisel.aisnet.org/digit2020>

Recommended Citation

Abbas, Raja Manzar; Richardson, Ita; and Carroll, Noel, "Patient-Centric Decision-Making Health Information System (PDM-HIS) Adoption Framework" (2020). *DIGIT 2020 Proceedings*. 1.
<https://aisel.aisnet.org/digit2020/1>

This material is brought to you by the Diffusion Interest Group In Information Technology at AIS Electronic Library (AISeL). It has been accepted for inclusion in DIGIT 2020 Proceedings by an authorized administrator of AIS Electronic Library (AISeL). For more information, please contact elibrary@aisnet.org.

Patient-Centric Decision-Making Health Information System (PDM-HIS) Adoption Framework

Research in progress

Raja Manzar Abbas

Lero-The Irish Software Research
Centre, University of Limerick,
Limerick, Ireland
manzar.abbas@ul.ie

Ita Richardson

Dept of Computer Science & Information
Systems, Lero-The Irish Software
Research Centre, HRI- Health Research
Institute, University of Limerick,
Limerick, Ireland
ita.richardson@lero.ie

Noel Carroll

Lero-The Irish Software Research
Centre, National University of Ireland Galway,
Galway, Ireland
noel.carroll@nuigalway.ie

Abstract

Hospital Information Systems (HIS) are implemented to support the provision of high-quality patient- centered care. Yet, there is little evidence about how to achieve meaningful involvement of patients in the decision-making process for the adoption of HIS. Furthermore, there is little known whether particular HIS adoption decision-making frameworks in which patients are involved are employed in hospitals. To address this gap, we conducted a study allowing us to gain insight on how to practically and meaningfully involve patients in this process. A synthesis of literature and case studies have indicated that there is no single, optimal approaches of involving the patients in the adoption decision-making process. In this article, we present evidence from 15 semi-structured patient interviews to understand the phenomenon of involving patients in the decision-making for the adoption of HIS. Extending the DECIDE model, we consider the key HIS adoption factors found in the literature and interviews and present a Patient-Centric Decision-Making HIS (PDM-HIS) framework. The key contribution of this research is twofold. First, we extend the DECIDE model within a HIS context and explain the importance of adopting a patient-centric approach to HIS adoption. Secondly, we offer hospitals guidance about how to involve patients and in which specific activities of the adoption decision-making they can be involved. These research recommendations will form the basis of a future study.

Keywords: Patient-centric, decision-making, adoption, DECIDE Model