E-Health Systems Diffusion and Use: The Innovation, the User and the USE IT Model

Table of Contents

Preface ..................................................................................................................... vii

Introduction ........................................................................................................... ix
   Ton A. M. Spil, University Twente, The Netherlands
   Roel W. Schuring, University of Twente, The Netherlands

Section I: Quantitative Evaluation

Chapter I
User Acceptance and Diffusion of Innovations Summarized ............... 1
   Ton A. M. Spil, University of Twente, The Netherlands

Chapter II
Predicting Internet Use: Applying the Extended Technology
Acceptance Model to the Healthcare Environment ......................... 13
   William R. Chismar, University of Hawaii, USA
   Sonja Wiley-Patton, Louisiana State University, USA

Chapter III
Understanding Physician Use of Online Systems: An Empirical
Assessment of an Electronic Disability Evaluation System .......... 30
   Thomas A. Horan, Claremont Graduate University, USA
   Bengisu Tulu, Claremont Graduate University, USA
   Brian N. Hilton, Claremont Graduate University, USA
Chapter IV
Computer and Stress in Social and Healthcare Industries ............... 61
Reima Suomi, Turku School of Economics and Business
Administration, Turku
Reetta Raitoharju, Turku School of Economics and Business
Administration, Turku

Chapter V
The UTAUT Questionnaire Items .......................................................... 93

Section II: Qualitative Evaluation

Chapter VI
Information Systems Success Theoretical Framework ..................... 99
Margreet B. Michel-Verkerke, University of Twente,
The Netherlands
Ton A. M. Spil, University of Twente, The Netherlands

Chapter VII
The Dynamics of IT Adoption in a Major Change Process in
Healthcare Delivery ........................................................................ 107
Liette Lapointe, McGill University, Canada
Lisa Lamothe, Université de Montréal, Canada
Jean-Paul Fortin, Université Laval, Canada

Chapter VIII
Introducing Electronic Patient Records to Hospitals: Innovation
Adoption Paths .............................................................................. 128
Reima Suomi, Turku School of Economics and Business
Administration, Turku

Chapter IX
USE IT: The Theoretical Framework Tested on an Electronic
Prescription System for General Practitioners ............................... 147
Ton A. M. Spil, University of Twente, The Netherlands
Roel W. Schuring, University of Twente, The Netherlands
Margreet B. Michel-Verkerke, University of Twente,
The Netherlands
Chapter X
The USE IT Model Case Studies: IT Perceptions in the Multiple Sclerosis, Rheumatism and Stroke Healthcare Chains ................... 177
  Margreet B. Michel-Verkerke, University of Twente, The Netherlands
  Roel W. Schuring, University of Twente, The Netherlands
  Ton A. M. Spil, University of Twente, The Netherlands

Chapter XI
USE IT Interview-Protocol .............................................................. 192

Chapter XII
Combining Qualitative and Quantitative Methods in IS in Healthcare Revisited ................................................................. 198
  Bonnie Kaplan, Yale University, USA

Chapter XIII
Evaluation of Health Information Systems: Challenges and Approaches .................................................................................. 212
  Elske Ammenwerth, University of Health Sciences, Medical Informatics & Technology, Austria
  Stefan Gräber, University Hospital of Saarland, Germany
  Thomas Bürkle, University of Erlangen, Germany
  Carola Iller, University of Heidelberg, Germany

Chapter XIV
A Cross-Cultural Framework for Evaluation .................................... 237
  Pekka Turunen, Shiftec, Finland

Chapter XV
Quantitative and Qualitative Methods: Added Value in Evaluating Electronic Patient Records ............................................... 250
  Mirjan van der Meijden, Elkerliek Hospital, The Netherlands