

Příloha 1

Přehled prošetřených textových materiálů v referenční studii. Převzato (8)

Study: Author(s), Title, Country	Subdomain	WDA	ConTA	SA	OA	CA	Actors
Primary care: 1							
Thompson et al. (2003), "A Work Domain Analysis for Diabetes Management," Canada	Diabetes management	√					
Hospital care: 18							
Effken et al. (2011), "Using Cognitive Work Analysis to Fit Decision Support Tools to Nurse Manager's Work Flow," United States	ICU	√	√	√	√	√	Nurse managers/directors/executives, IT managers, quality managers (n = 20)
Effken et al. (2008), "Clinical Information Displays to Improve ICU Outcomes," United States	ICU	—	—	—	—	—	ICU nurses (n = 32)
Effken (2006), "Improving Clinical Decision Making Through Ecological Interfaces," United States	ICU	√	—	—	—	—	Novice nurses (n = 20); medical residents (n = 13)
Effken et al. (2001), "Using Cognitive Work Analysis to Design Clinical Displays," United States	ICU	√	√	√	√	√	ICU clinicians
Hall et al. (2006), "Fixation and Attention Allocation in Anesthesiology Crisis Management: An Abstraction Hierarchy Perspective," United States	Anesthesiology	√	—	—	—	—	Anesthesiology residents
Jungk et al. (1999), "Ergonomic Evaluation of an Ecological Interface and a Profilogram Display for Hemodynamic Monitoring," Germany	Anesthesiology						Anesthesiologists (n = 20)
Lopez et al. (2010), "Cognitive Work Analysis to Evaluate the Problem of Patient Falls in an Inpatient Setting," United States	Neurology	√	—	—	—	—	Administrators, nurse assistants, registered nurses (n = 33)

Study: Author(s), Title, Country	Subdomain	WDA	ConTA	SA	OA	CA	Actors
Miller et al. (2009), "The Effects of Clinical Information on Physicians' and Nurses' Decision-Making in ICUs," United States/Australia	ICU	√	—	—	—	—	i. Nurses (n = 16); physicians (n = 4) ii. Physicians (n = 12)
Morineau et al. (2009), "Decision Making During Preoperative Surgical Planning," France	Surgery	—	—	—	—	√	Neurosurgeons (n = 6)
Pingenot et al. (2009), "Description of inpatient medication Management Using Cognitive Work Analysis," United States	Medication processing	√	√	√	√	√	Clinicians, health IT specialist, nurses, pharmacist (n = 11)
Rogers et al. (2004), "Barriers to Implementing Wrong Site Surgery Guidelines," United States	Surgery-ICU	—	—	√	√	—	Surgeons, anesthesiologist (n = 11)
Sarcevic et al. (2010), "Towards an Efficient Method for Studying Collaborative Practices of Emergency Care Teams," United States	Emergency medicine	—	√	√*	√*	√	Trauma team members
Sarcevic et al. (2008), "Quantifying Adaptation Parameters for Information," United States	Emergency medicine	—	—	√	√	—	Trauma team members
Sarcevic et al. (2008), "Transactive Memory in Trauma Resuscitation," United States	Emergency medicine	—	—	—	—	—	—
Sharp & Helmicki (1998), "The Application of the Ecological Interface Design to Neonatal Intensive Care Medicine," United States	Neonatal ICU	√	—	—	—	—	Physicians (n = 16)
Watson & Sanderson (2007), "Designing for Attention With Sound: Challenges and Extensions to Ecological Interface Design," Australia	Anesthesiology	√	—	—	—	√	—

Study: Author(s), Title, Country	Subdomain	WDA	ConTA	SA	OA	CA	Actors
Wu et al. (2012), "Work Domain Analysis for Designing a Radiotherapy System Control Interface," Canada	Oncology	√	—	—	—	—	Radiotherapists
Zhang et al. (2002), "Effects of Integrated Graphical Displays on Situational Awareness in Anesthesiology," United States	Anesthesiology	—	—	—	—	—	ii. Students (n = 12)
Community care: 2							
Lim et al. (2008), "Analysing Care Home Medication Errors: A Comparison of the London Protocol and Work Domain Analysis," United Kingdom	Residential care	√	—	—	—	—	
Unruh & Pratt (2007), "Patients as Actors: The Patient's Role in Detection," United States	Outpatient oncology	—	—	—	—	√	Outpatients (n = 18)
Medical informatics: 7							
Burns et al. (2008), "A Cognitive Work Analysis of Cardiac Care Nurses Performing Triage," Canada	Telehealth	√	√	√*	—	—	Cardiac nurse coordinators (n = 7)
Burns et al. (2006), "Supporting Strategies of Cardiac Nurse Coordinators Using Cognitive Work Analysis," Canada	Telehealth	—	—	√	—	—	Cardiac nurse coordinators (n = 7)
Cam et al. (2008), "An Investigation on the Use of Computerized Patient Care Documentation," United States	EHRs	√	—	—	—	—	Administrators, nurses, physicians (n = 11)

Study: Author(s), Title, Country	Subdomain	WDA	ConTA	SA	OA	CA	Actors
Edraki & Milgram (2004), "Designing an Information Querying Interface for a Rheumatoid Arthritis Patient Record System," Canada	EHRs	√	—	—	—	—	Rheumatologists, clinicians (n = 5)
Guarrera et al. (2012), "Engineering Better Health IT Systems: Cognitive Systems Engineering of a Novel Emergency Department Interface," United States	EHRs	√	—	—	—	—	Emergency department staff (n = 15)
Lin & Gennari (2007), "Designing CPOE Systems Using an Ecological Approach," United States	EHRs	—	—	—	—	—	Clinicians, nonclinicians, patients [Proposal]
Momtahan et al. (2007), "Using Personal Digital Assistants and Patient Care Algorithms to Improve Access to Cardiac Care Best Practices," Canada	Telehealth	—	—	—	—	—	Cardiac nurse coordinators (n = 7)
Theoretical, analytical, and overview articles: 11							
Ashoori & Burns (2012), "Team Cognitive Work Analysis: Structure and Control Tasks," Canada	Labor and delivery unit	√	√	—	—	—	—
Canfield & Petrucci (1993), "Interface Design for Clinical Information Systems: An Ecological Interface Design Approach," United States	EHRs	—	—	—	—	—	—
Effken (2002), "Different Lenses, Improved Outcomes: A New Approach to the Analysis and Design Of Healthcare Information Systems," United States	Acute care-ICU	—	—	—	—	—	—

Study: Author(s), Title, Country	Subdomain	WDA	ConTA	SA	OA	CA	Actors
Hajdukiewicz et al. (2001), "Modeling a Medical Environment: An Ontology for Integrated Medical Informatics Design," Canada	Anesthesiology	√	√	√	—	—	Anesthesiologist, surgical team, patient
Little (2010), "Combining Ontologies and Cognitive Engineering to Innovate Electronic Health Records," United States	EHRs	—	—	—	—	—	—
McEwen et al. (2011), "Creating Safety in Primary Care Practice With Electronic Medical Records Requires the Consideration of System Dynamics," United States	EHRs/systems engineering; interview study	—	—	—	—	—	Clerical staff, medical assistants, nurses, office managers, physicians (n = 17)
Miller & Sanderson (2000), "Modeling 'Deranged' Physiological Systems for ICU Information System Design," Australia	Physiological monitoring	—	—	—	—	—	—
Momtahan & Burns (2004), "Applications of Ecological Interface Design in Supporting the Nursing Process," Canada	Nursing	—	—	—	—	—	—
Rogers et al. (2006), "Cognitive Work Analysis in Health Care," United States	Medication processing	√	—	√	—	√	Nurses
Sanderson (2006), "The Multimodal World of Medical Monitoring Displays," Australia	Anesthesiology	—	—	—	—	—	—
Wears (2009), "What Makes Diagnosis Hard?" United Kingdom	Emergency medicine	—	√	—	—	—	—
Total count = 39		19	7	8	5	8	

Note. WDA: work domain analysis; ConTA: control task analysis; SA: strategies analysis; OA: organizational analysis; CA: competencies analysis; ICU: intensive care unit; IT: information technology; EHRs: electronic health records.

Příloha 2

Původní reference srovnávané studie (8), zachován citační formát použitý autorem

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