EDITOR'S COMMENTS

Riding the Wave: Past Trends and Future Directions for Health IT Research

By: **Darryl Romanow**
Associate Managing Editor, *MIS Quarterly*
Ph.D. Candidate
Georgia State University
darryl.romanow@ceprin.org

Sunyoung Cho
Assistant Professor of Information Technology
Georgia Gwinnett College
scho@ggc.edu

Detmar Straub
Editor-in-Chief, *MIS Quarterly*
Professor of CIS
Georgia State University
dstraub@gsu.edu

Goal of this Paper

Journals play a significant role in the dissemination of knowledge across research streams. Journal support can lead to a vibrant area that continues to make important discoveries over decades. When support is active, journals promote special issues in selected research streams, appoint editors and reviewers who are avid advocates of an area as well as participants in them, and, finally, publish editorials. Journal neglect can have the opposite effect, and may, at times, spell the doom of some streams (this occurs when journal editors take a passive role, merely waiting for submissions to come over the transom).[1]

Healthcare information technologies (HIT), variously known as health informatics, health IS, and so on through all the permutations of these terms, has grown with the successful dissemination of information technology in the health arena. Lagging behind other sectors (in some cases by decades), HIT is now being actively diffused via systems such as EMRs, PHRs, CDSS, and CPOE.[2] With the exponential increase of scientific work in this stream (Chiasson and Davidson 2004) comes the concomitant desire to see where the work has taken us to date and how it is trending. This analysis should be useful to journal editors and reviewers in determining when submissions are being innovative and when they appear to be covering old ground.

Background

Before analyzing the HIT literature, it is helpful to underline the importance of this area, not simply from the standpoint of scholars, but from the standpoint of society as a whole. What are the practical ramifications of systems that monitor patient care, healthcare efficiencies, and all the other multifaceted ways in which technology today is impacting health?

[1]Please note that we are not arguing that journals themselves are living, breathing entities. As argued in Straub (2010), the journal is not an individual, living being although the journal process works through the interaction of editors and authors, with the ultimate arbiter of acceptance being the senior editor, in *MISQ*'s case.

[2]Meanings of these acronyms: electronic medical records (EMR), personal health records (PMR), clinical decision support systems (CDSS), and computerized provider order entry (CPOE).

First, it is clear that health spending continues to consume the largest share of public spending in most of the 34 OECD countries, having reached 9.5 percent of GDP on average in 2010, according to the latest OECD report (issued on June 28, 2012; http://www.oecd.org/health/ healthdata). The United States has continued to outspend all other OECD countries by a wide margin, with spending on health per capita of $8,233 USD, or 17.6 percent of GDP, compared to the overall OECD average of $3,268. Since OECD demographic trends confirm an aging society across better-off Western nations, thereby increasing stress on healthcare systems, leaders are looking for answers on both cost *and* quality dimensions. For instance, the widely cited Institute of Medicine report "To Err is Human: Building a Safer Health System" finds that between 44,000 and 98,000 preventable deaths occur each year in the United States alone, and the report specifically identifies health IT as a potential solution to the dilemma (Kohn et al. 2000). In fact, health IT has been identified as an enabler of improved clinical outcomes (Garg et al. 2005), and a potential mechanism for lowering costs (Hillestad et al. 2005), yet adoption of these technologies is halting and incomplete (Jha et al. 2009).

Given the importance of the healthcare industry, the promise of HIT, and the paradoxically slow progress with respect to adoption, Chiasson and Davidson enjoined IS researchers in 2004 to extend extant IS theory into the emerging health information research (HISR) domain. Covering the time period from 1985 to mid 2003, their broad literature review searched for and found papers where an IT artifact was studied in a healthcare environment. Covering 17 leading "healthcare friendly" IS and management journals, their search resulted in 165 papers; these papers represented just 1.2 percent of the total number of papers published in these journals during the time period. Given the relative size of the healthcare industry and an environment that provides a rich backdrop for IS research, they argued that, with a mere 1.2 percent representation, the published HIT research during the review period significantly underrepresented the societal needs and the needs of the field.

In the intervening eight years since 2004, significant changes in the health IT industry, government incentives, and a heightened interest by IS researchers have led to dramatic changes in the number of publications in leading journals. In short, as a result of the updated empirical findings shown below, we can report with some confidence the HIT research domain has been on fire since 2004.

Thus, this editorial extends the work of Chiasson and Davidson to include papers through the end of 2011, thereby establishing a more up-to- date literature base for HIT researchers. Scholars can use this to build on existing theory that is notably and contextually relevant to the health IT domain. As noted above, journal editors and reviewers may be able to gain insight into how new HIT research can fill gaps and avoid well trodden ground.

As part of their review, Chiasson and Davidson classified papers into four categories. Their intention was to highlight, and hopefully stimulate, research that focused on contextually relevant healthcare constructs in extant IS theory. Since the publication of this review, editors of several special issues, including *European Journal of Information Systems* in 2007 and *Journal of the AIS* in 2011, have specifically mentioned the Chiasson and Davidson paper, calling for submissions, or reporting on accepted papers which met the criteria as "Category 3, Healthcare–IS papers." Based on a belief that the incorporation of emerging, contextual healthcare environment variables in the theorizing process is important for both IS researchers and healthcare IT practitioners, we coded the 218 papers previously mentioned according to the spirit of the original classification process. This updated coding process allowed us to test working hypotheses that Category 3 papers will in fact be the most numerous and the most highly cited over time.

A brief description of each of the original Chiasson and Davidson categories, as well as our slight modification of the categories,[3] is provided in Table 1 and footnote 3.

Given that this editorial seeks to update the original Chiasson and Davidson review, we were motivated by the following research questions:

[3]Category 1. IS-Only: We have labeled these papers as having minimal HIT context incorporated into the theory development process in that authors do not attempt to leverage the healthcare context when generating the hypothesis, analysis, and/or discussion sections of their papers. Category 2. IS-Healthcare: We have labeled these papers as having moderate HIT context incorporated into the theory development process. Category 3. Healthcare-IS: We have labeled these papers as having high HIT context in that papers in this category incorporate contextual elements unique to the healthcare environment to extend our theoretical knowledge of constructs relevant to the IS community. Category 4. Healthcare-Only: We have labeled papers in this category as atheoretical, while recognizing that the paper is relevant to the HIT domain.

Table 1. Definitions				
Category	Chiasson & Davidson Terms	Revised Terms	Definition	# of Papers 1985–mid-2003 (Period 1)
1	*IS-Only*	*Minimal HIT Context*	Focus of the paper is on testing or refining existing IS theories without regard for the healthcare context.	29
2	*IS-Healthcare*	*Moderate HIT Context*	Focus of the paper is on testing or refining existing IS theories with some regard for the healthcare context.	46
3	*Healthcare-IS*	*High HIT Context*	Papers that directly incorporate healthcare contextual influences to inform the analysis of the empirical results and to extend IS theory or concepts.	29
4	*Healthcare-Only*	*Atheoretical*	Papers that describe an IS or IT in a healthcare context without consideration of theory	61

RQ1: Has HISR grown with respect to the number of HIT papers published in IS journals?
RQ2: Are HIT journal articles incorporating domain-specific contextual considerations (Category 3) increasingly represented in the literature?
RQ3: When an HIT manuscript incorporates contextual considerations (Category 3) into theorizing and analysis, does it lead to increased levels of citations over time?

The Criticality of Contextualizing Theory in the HIT Literature

Prior to coding, we determined the core contextual variables which have emerged as influential in the ongoing discourse in the extant HIT literature. Armed with this set of constructs, we were able to make reasonable coding decisions with respect to the level of healthcare context incorporated into theory in each journal article. This approach, we believe, reconciles our data analysis approach with that of Chiasson and Davidson and enables us to draw inferences across the entire period of HIT literature (1985–2011) to date.

While the healthcare environment has numerous unique characteristics, we highlight: (1) privacy concerns, (2) interoperability, and finally (3) resistance to HIT.

1. *Privacy concerns.* Privacy concerns, and a subsequent lack of interoperability across institutional boundaries, are primary examples of core contextual (domain-specific) variables in HIT. Privacy concerns are a recurrent theme in the HIT literature (Anderson and Agarwal 2011; Angst and Agarwal 2009; Mercuri 2004; Rindfleisch 1997). While privacy concerns vary by individual, financial and medical data are viewed by individuals as more sensitive data, generally speaking (Malhotra et al. 2004). Digital patient records are often perceived to be more open to exploitation than their paper counterparts, and since the 1996 passing of the U.S. Health Information Portability and Accountability Act (HIPAA), providers in the United States who are found to be negligent of inadvertently disclosing patient records can face fines up to USD$250,000 and 10 years in prison (Kluge 2004; Mercuri 2004).

2. *Interoperability*. Medical data is of the utmost sensitivity, but it is only useful when shared with our medical providers (Rindfleisch 1997). Yet due to the sensitive nature of patient records (and the potential for HIPAA violation fines levied against medical organizations in the United States), clinic and hospital decisions regarding access to records understandably raise difficulties. Some hospitals even deny physicians remote access to their own HIT systems due to legal liability concerns (Ash and Bates 2005), a result that eliminates one of the key benefits of CPOE (Niazkhani et al. 2009). Providers are especially hesitant to share medical information with clinicians outside their organizations, despite the supporting standards such as HL7 and the potential benefit to patients (Goldschmidt 2005). In addition, HIT performance with respect to interoperability continues to lag other industries, given that competitive forces in the marketplace encourage the continued use of proprietary systems and databases (Lumpkin and Richards 2002). As a result, acute care clinicians have to rely on

limited patient record data since relevant, potentially life threatening medical data is often locked away in silos of information guarded over by providers outside of the hospital network.

3. *Resistance to change*. While resistance to IT occurs in many environments, a combination of factors unique to the healthcare domain augment clinician resistance to HIT. The literature has frequently highlighted clinician resistance to HIT (Bhattacherjee and Hikmet 2007; Kohli and Kettinger 2004; Lapointe and Rivard 2005). For instance, in 2003 physicians at Cedars-Sinai Medical Center in Los Angeles *forced* the withdrawal of a CPOE implementation that was already online in two thirds of the 870 bed hospital because the system was considered to be a distraction to their medical routines (Bhattacherjee and Hikmet 2007). CPOE can dramatically alter workflow within the hospital (Aarts et al. 2007; Ash et al. 2004; Ash et al. 2007), often impacting responsibilities and roles between clinicians and support staff. Physician resistance can be traced in part to the escalation of clerical tasks (order entry) that had been handled by other clinicians or administrative staff in the past (Aarts et al. 2007). Physicians appear to be hesitant to adopt the spirit of "cookbook medicine" inherent in order-set protocols and clinical decision support systems (CDSS) (Gittell 2002; Wright et al. 2009) and are wary of the potential administrative influence enabled by a CDSS (Kohli and Kettinger 2004; Lapointe and Rivard 2007).

   The source of this resistance can possibly be traced to the manner in which knowledge workers such as physicians or attorneys are managed. Traditionally, the physician was organized and "controlled" through community, independent of hierarchical control. Given that most physicians are free agents, coordination has relied on collegial control. This model is slowly changing as physicians are increasingly hired by hospitals to avoid personal malpractice insurance and are thereby facing more hierarchical pressures (Adler et al. 2008; Kohli and Kettinger 2004). Yet the result of traditional coordination mechanisms is frequently highlighted in prior research, including differentiated workflow policy based on agency. Often, residents, who are hospital employees, were required to enter orders (CPOE) whereas attending physicians were not (Davidson and Chismar 2007). CEOs who mandate adoption of an HIT may find themselves forced out of the organization by a powerful physician-led lobby (Lapointe and Rivard 2007).

While other contextual considerations relevant to the healthcare domain could have been included among our factors, we were sensitive to other possible effects as we synthesized the literature according to the original Chiasson and Davidson categories. Analysis of these healthcare domain-specific contexts is beyond the current scope.

Method

To ensure consistency between our results and those of Chiasson and Davidson, we retained their original list of journals as well as the keywords and database search engines established in the original review. This notwithstanding, we innovated by also using the Senior Scholars basket of eight,[4] which led to the addition of *Journal of the AIS*, *Journal of Information Technology*, and *Information Systems Journal* to the search criteria. Searches in these three journals covered the entire post 1985 period, resulting in the addition of 11 papers to the original Chiasson and Davidson list. In 2007, as part of her unpublished dissertation, Cho extended the earlier review for the period of mid-2003 until the end of 2006, adding 40 papers; this work was also incorporated into the present review. In total, the data set considered was 218 papers, listed in the Appendix[5] by journal, which includes the 11 papers previously mentioned.

Each of the 20 journals was reviewed using ABI Inform, EBSCO Host, Science Direct, or Sage. Keywords matched the terms specified in Chiasson and Davidson, including physician, hospital, medical, health care, healthcare, as well as telemedicine. To determine consistency between two independent raters, an inter-rater reliability analysis was performed using Cohen's Kappa. The calculated Kappa of .804 ($p < .001$) exceeds the standard threshold of .60, indicating substantial agreement (Landis and Koch 1977).

[4]Basket of eight consists of *European Journal of Information Systems, Information Systems Journal, Information Systems Research, Journal of the AIS, Journal of Information Technology, Journal of Management Information Systems, Journal of Strategic Information Systems,* and *MIS Quarterly*. Source: AIS website as of December 2011.

[5]The Appendix for this editorial is located in the "Online Supplements" section of the *MIS Quarterly*'s website (http://www.misq.org).

Table 2. Results Summary: RQ1 and RQ2				
	Research Questions	Result	Papers published per year (Period 1)	Papers published per year (Period 2)
1	*Has HISR grown with respect to the number of HIT papers published in IS journals?*	Yes	9.2	25.9
2	*Are HIT journal articles which incorporate domain-specific contextual considerations (Category 3),increasingly represented in the literature?*	Yes	1.5	9.3

The Web of Science was used to calculate citations. The main limitation of this approach is that not all 20 journals in our basket are covered by the Web of Science. This limitation, however, is countered by the more consistent inclusion of peer reviewed journals compared to other citation lists, such as Google Scholar. As a result, there are many papers that have zero citations for the purpose of this study; however, the focus in this review is on citations *by category*, as mentioned earlier. We trust that the exclusion of citations from journals not covered by the Web of Science does not result in a systematic bias from one category to the next.

To answer RQ3 and test the prediction articulated earlier that Category 3 articles will receive the highest number of citations, we computed Web of Science citations per year, per journal article. Each of the four categories were summarized by calculating the total number of citations per year. The citation total across categories was normalized by dividing the total annual citations by the number of papers published in the category. Finally, the average number of citations per year were grouped by category, according to period 1 (papers captured from 1985 to mid-2003), and period 2 (papers published from mid-2003 until the end of 2011).

Data Analysis

What are the key results from the data analysis? With respect to RQ1 and RQ2, there has been a considerable increase in the number of publications over the course of the two periods (see Table 2). Overall, HIT publications increased from an average of 9.2 per year in period 1 (1985 to 2003) to 25.9 publications per year in period 2 (2004 to 2011), a 64 percent increase. While each of the four categories saw a raw increase in numbers of papers per year, there has also been a shift in the composition of the papers. Category 3 papers (Healthcare-IS or papers relying on contextual, healthcare-specific variables in their theorizing) have grown from just 16 percent to 36 percent in the more recent period, and match the number of atheoretical Category 4 papers on an absolute basis. Therefore we find that our response to RQ2, whether there have been increases across the board in HISR, is a resounding "Yes," as demonstrated in Figure 1.

With respect to RQ3 and the hypothesis that Category 3 papers would be most highly cited, we report somewhat disturbing findings in Figure 2 and Table 3, showing that Category 3 papers failed to maintain their leadership status with respect to scholarly influence and in fact declined from period 1(1985 to mid-2003) to period 2 (mid-2003 to 2011). The news, on the other hand, is good for overall citations, with the weighted average increasing from 1.2 in period 1 to 1.6 in period 2 across all categories. This demonstrates an encouraging 25 percent increase in the level of scholarly influence from HIT publications. In period 1, the reported Web of Science citations through May 31, 2012, confirm that on a per paper basis, where Category 3 papers are in fact the highest cited category, as predicted.

Our hypothesis that period 2 results would find that the most highly cited work emanates from papers extending theory by incorporating contextual HIT elements proved to be unfounded. Category 3 papers did increase in absolute numbers, yet Category 3 citations on a per unit basis were the *only* category to actually decline, as *per unit* citations per year fell from 1.7 in period 1 to just under 1.5 in period 2 (see Table 3). This decline in Category 3 citations undermines predictions that the incorporation of HIT domain and contextually relevant constructs in theory development will lead to the most highly *cited* journal articles. While interest in the HIT domain is confirmed by the 64 percent increase in the number of HIT publications, as well as an overall 24% increase in per unit citations, the apparent interest in Category 3 papers, as measured by citations, has waned by 12 percent from period 1 to period 2.

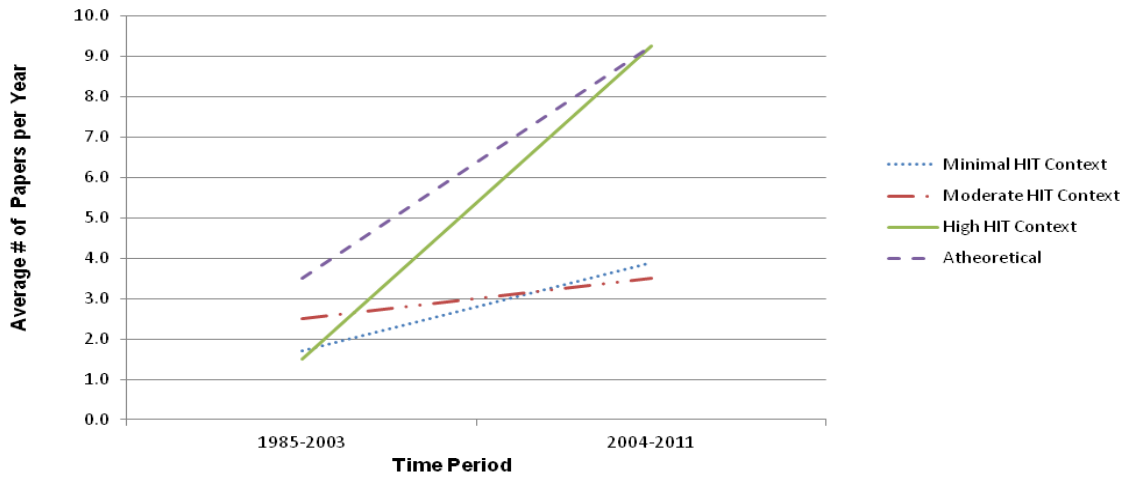

Figure 1. HIT Publications by Category

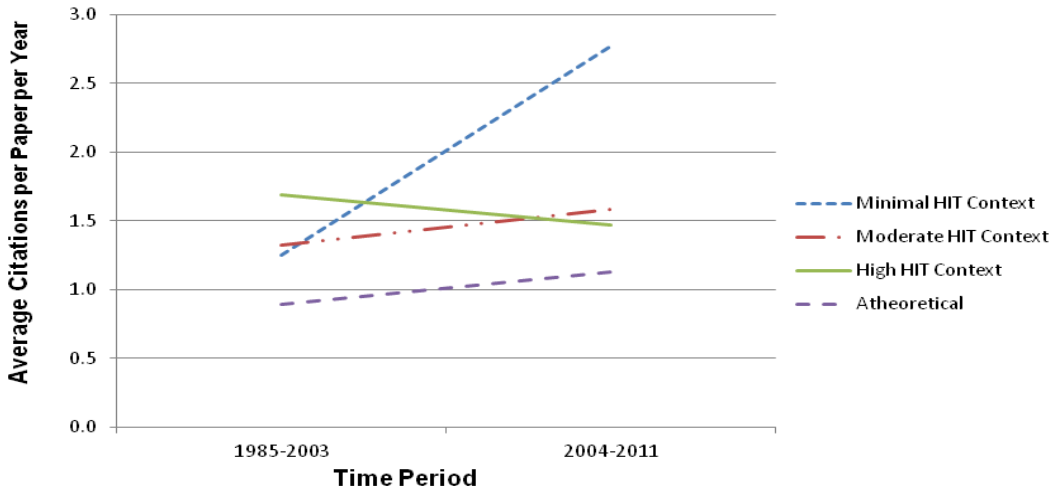

Figure 2. Average HIT Citations per Year by Category

Table 3. Results Summary: RQ3

	Research Question	Category	Citations per year per paper (Period 1)	Citations per year per paper (Period 2)
3	*When an HIT manuscript incorporates contextual considerations (Category 3) into theorizing and analysis, does it lead to increased levels of citations over time? Not supported.*	1	1.3	2.8
		2	1.3	1.6
		3	1.7	1.5
		4	.9	1.1
		Total	1.2	1.6

Table 4. Top 10 Cited HIT Papers from Selected Journals 1985–2011

Citations from Web of Science (from publication date to 7-31-2011 and sorted by citations per year)

	Author(s)	Title	Total Citations	Citations per Year
1	Hu, P. J., Chau, P. Y., Shen, O., and Tam, K. Y. (1999)	"Examining the Technology Acceptance Model Using Physician Acceptance of Telemedicine Technology"	282	23
2	Lapointe and Rivard (2005)	"A Multilevel Model of Resistance to Information Technology Implementation"	124	19
3	Yi et al. (2006)	"Understanding Information Technology Acceptance by Individual Professionals: Toward an Integrative View"	97	15
4	Chau, P. Y. K., and Hu, P. J. (2002b)	"Investigating Healthcare Professionals' Decisions to Accept Telemedicine Technology: An Empirical Test of Competing Theories"	128	13
5	Corchado et al. (2008)	"Intelligent Environment for Monitoring Alzheimer Patients, Agent Technology for Health Care"	44	13
6	Strong et al. (1997)	"Data Quality in Context"	166	11
7	Paul and McDaniel (2004)	"A Field Study of the Effect of Interpersonal Trust on Virtual Collaborative Relationship Performance"	64	9
8	Devaraj, S., and Kohli, R. (2000)	"Information Technology Payoff in the Health-Care Industry: A Longitudinal Study"	98	9
9	Chau, P. Y. K., and Hu, P. J. (2002a)	"Examining a Model of Information Technology Acceptance by Individual Professionals: An Exploratory Study"	80	8
10	Anderson, J. G. (1997)	"Clearing the Way for Physicians' Use of Clinical Information Systems"	93	6

Discussion

While a detailed explanation for the unexpected results relative to RQ3 is outside the scope of this paper, Table 4 provides exemplars of heavily cited HIT papers for further discussion of this point. Table 4 presents the top papers based on the reported citations for all 383 papers, including the original 165 Chiasson and Davidson papers, as well as the 218 papers included in the Appendix. Table 4 captures the most frequently cited papers when normalized to an annual basis. It is interesting to note that three of the top ten HISR papers are coauthored by Chau and Hu, and the HIT artifact under study is telemedicine. Gaining insight into the underlying reason for the high citation count on these papers is beyond the scope of this paper. Nonetheless, their 1999 *JMIS* (Hu et al. 1999) paper is an early example of a study where the ease of use construct was modeled to be part of the ubiquitous TAM model, but was not a significant predictor of intention to use an IS by knowledge workers such as physicians. This connection to TAM may explain the unusually high number of citations.

While some papers in the IS field continue to generate significant numbers of citations over a long period of time (Davis 1989), most wane as newer methods or theoretical approaches gain a foothold. Yet more recently published papers, especially those published in the past several years, have not had enough time to establish their impact on the field, and even exceptional recent papers are handicapped by such short publication tenures.[6] While it is unclear whether IS researchers have been motivated by the call from Chiasson and Davidson, references to their article and stated intentions to contribute meaningfully to Category 3 papers has specifically been made by several authors (Cho and Mathiassen 2007; Klein 2007). Reference to the Chiasson–Davidson categorization scheme has also been made by editors of the special issues on healthcare IS, including the *EJIS* editorial (LeRouge, Mantzana, and Wilson 2007) and more recently the *JAIS* call for papers for the December 2010 special issue on healthcare IT.

[6]While all methods are imperfect, we felt that the most equitable method of comparing citations across categories would be to normalize by converting total citations to citations per year. This change does impact the relative rankings of the impact of the paper on the field; for instance, the Lapointe and Rivard (2005) paper on multilevel resistance does, in fact, move to the number two position using the citations per year form of analysis.

Looking at just the 1985–2003 period, we find that journal articles that incorporated HIT contextual implications to a high degree (Category 3) did in fact generate the most citations per year per paper, at roughly 1.7. While the occurrence of Category 3 papers has increased substantially over the 2004–2011 period, at this stage these papers have not generated the predicted citations, and in fact Category 1 papers far exceed other categories at 2.8 citations per year per paper. This can largely be attributed to several highly cited papers published in the 2004– 2006 period, including Lapointe and Rivard (2005), and Yi et al (2006). Given that there have recently been a number of special issues in HIT with a high representation of Category 3 papers, it is likely that papers published in 2010 and 2011 are very much underrepresented in terms of citations due to their limited time since publication (even though all papers were normalized on a per year basis). Future research may in fact show that these papers will in time gain their expected scholarly influence.

Future Directions

We believe that the most fruitful theory development for the HIT area will occur in increases both in Category 3 papers and in citations to these papers. It is to be hoped that HIT-specific papers will come to dominate the field in the future, and we encourage continued focus in this direction. As the research and the technology mature, new HIT contexts will emerge at the margin. Why would this be so? The evolution of the medical field will likely demand it. For example, while genetics have long been recognized as an important predictor of an individual's predisposition to disease, unlocking the secrets of our genome remains nascent. Research to lay the groundwork for the incorporation of genetic predisposition with our medical records holds promise, and high levels of privacy and ethical concerns for individuals. Supportive technologies such as voice recognition sensitized to healthcare industry nomenclature will continue to improve with respect to accuracy, and thereby lessen the burden of manual entry by clinicians, or reduce the need for transcription. Despite the failure of the Google Health Personal Health Record in late 2011, patient centered e-health will continue to gain momentum. As HIT functionality such as clinical decision support systems extends to the patient portal, research questions investigating the importance of an engaged patient, through IT-enabled chronic disease management systems will emerge (Romanow et al. 2011). And as the field progresses, we expect the impact of Category 3 papers to accelerate, and that its defining attributes will continue to expand.

Conclusion

While Category 3 papers have increased dramatically in number on a per year basis, citations per journal article in this category have actually fallen. This is ironic and initially troubling in that in the earlier period, Category 3 papers were in fact the most heavily cited grouping. While the short duration since publication may partially explain the citation paradox in period 2, the field needs to embrace these Category 3 approaches to ensure the continued growth of the HIT body of knowledge and its importance in shaping IS theory as a whole. There is no question that the research streams in healthcare informatics are vibrant. The only question is whether they will sufficiently advance healthcare-specific, high HIT context theory or not.

References

All references, including the in-text citations and the articles used in the review, appear in the "References" section of the Appendix for this editorial, located in the "Online Supplements" section of the *MIS Quarterly*'s website (http://www.misq.org).

EDITOR'S COMMENTS – SUPPLEMENT

Riding the Wave: Past Trends and Future Directions for Health IT Research

Appendix: New Papers Since Chiasson and Davidson (2004) Included in the Current Analysis

Communications of the ACM		
Author(s)		**Title**
1	Abraham et al. (2008)	"Ubiquitous Access: On the Front Lines of Patient Care and Safety"
2	Agrawal et al. (2007)	"Enabling the 21st century Health Care Information Technology Revolution"
3	Avison and Young (2007)	"Time to Rethink Health Care and ICT?"
4	Bala et al. (2009)	"Disaster Response in Health Care: A Design Extension for Enterprise Data Warehouse"
5	Cannoy and Salam (2010)	"A Framework for Health Care Information Assurance Policy and Compliance"
6	Cantrill and Stephen (2010)	"Computers in Patient Care: The Promise and the Challenge"
7	Chang, Yuan, and Li (2009)	"iCare Home Portal: An Extended Model of Quality Aging e-Services"
8	Chau and Hu (2004)	"Technology Implementation for Telemedicine Programs"
9	Egyhazy and Mukherji (2004)	"Interoperability Architecture Using RM-ODP"
10	Fu (2009)	"Inside Risks: Reducing Risks of Implantable Devices"
11	Goldschmidt (2005)	"HIT and MIS; Implications of Health Information Technology and Medical Information Systems"
12	Hoffmann (2009)	"Implementing Electronic Medical Records"
13	Horan and Schooley (2007)	"Time-Critical Information Services."
14	Hur and Kim (2010)	"The Future of Digital Imaging"
15	Johnson and Ambrose (2006)	"Neo-tribes; the Power and Potential of Online Communities in Health Care"
16	Kroeker (2011)	"Improving Brain-Computer Interfaces"
17	Kudyba et al. (2005)	"Enhancing Efficiency in the Health Care Industry"
18	Luo and Najdawi (2004)	"A Review of Consumer Health Portals"
19	Manduchi and Coughlan (2012)	"(Computer) Vision without Sight"
20	Mbarika (2004)	"Is Telemedicine the Panacea for Sub-Saharan Africa's Medical Nightmare?"
21	Mercuri (2004)	"The HIPAA-potamus in Health Care Data Security"
22	Pratt et al. (2006)	"Personal Health Information Management"
23	Savage (2011)	"Remaking American Medicine"
24	Savage (2012)	"Better Medicine through Machine Learning"
25	Tan et al. (2005)	"Health Care and Services Delivery Systems as Complex Adaptive Systems"
26	Thompson and Dean (2009)	"Advancing Information Technology in Health Care"
27	Venkatraman et al. (2008)	"Six Strategies for Electronic Medical Records Systems"
28	Whitten et al. (2008)	"Most Wired Hospitals" rate Patient Satisfaction"
29	Wilson and Tulu (2010)	"The Rise of a Health-IT Academic Focus"
30	Zhuge (2005)	"Exploring an Epidemic in an E-Science Environment"

Databases for Advances in Information Systems		
	Author(s)	**Title**
1	Sauter (2005)	"Competitive Intelligence Systems: Qualitative DSS for Strategic Decision Making"

Decision Support Systems		
	Author(s)	**Title**
1	Airoldi et al. (2011)	"An Entropy Approach to Disclosure Risk Assessment: Lessons from Real Applications and Simulated Domains"
2	Arora et al. (2010)	"Resource Allocation for Demand Surge Mitigation during Disaster Response"
3	Bansal et al. (2010)	"The Impact of Personal Dispositions on Information Sensitivity, Privacy Concern and Trust in Disclosing Health Information Online"
4	Ben Ayed et al. (2010)	"A User-Centered Approach for the Design and Implementation of KDD-Based DSS: A Case Study in the Healthcare Domain"
5	Berndt et al. (2007)	"The Role of Data Warehousing in Bioterrorism Surveillance"
6	Bielza et al. (2008)	"Explaining Clinical Decisions by Extracting Regularity Patterns"
7	Chatterjee et al. (2009)	"Examining the Success factors for Mobile Work in Healthcare: A Deductive Study"
8	Corchado et al. (2008)	"Intelligent Environment for Monitoring Alzheimer patients, Agent Technology for Health Care"
9	Delen et al. (2012)	"An Analytic Approach to Better Understanding and Management of Coronary Surgeries"
10	Hu et al. (2006)	"Evaluating a Decision Support System for Patient Image Pre-fetching: An Experimental Study"
11	Hung et al. (2010)	"Critical Factors of Hospital Adoption on CRM system: Organizational and Information System Perspectives"
12	Junglas et al. (2009)	"Mobile Technology at the Frontlines of Patient Care: Understanding fit and Human Drives in Utilization Decisions and Performance"
13	Kohli and Devaraj (2004)	"Contribution of Institutional DSS to Organizational Performance: Evidence from a Longitudinal Study"
14	LeRouge, Hevner, and Collins (2007)	"It's More than Just Use: An Exploration of Telemedicine Use Quality"
15	Liang et al. (2006)	"WebBbased Intervention Support System for Health Promotion"
16	Lin et al. (2006)	"A Decision Support System for Lower Back Pain Diagnosis: Uncertainty Management and Clinical Evaluations"
17	Lussier et al. (2007)	"Partitioning Knowledge Bases Between Advanced Notification and clinical Decision Support Systems"
18	Mangiameli et al. (2004)	"Model selection for Medical Diagnosis Decision Support Systems"
19	Meiller et al. (2011)	"Adaptive Knowledge-Based System for Health Care Applications with RFID-Generated Information"
20	Oztekin et al. (2010)	"An RFID network Design Methodology for Asset Tracking in Healthcare"
21	Rodger and Pendharkar (2007)	"A Field Study of Database Communication Issues Peculiar to Users of a Voice Activated Medical Tracking Application"
22	Rodríguez et al. (2011)	"Secure Business Process Model Specification through a UML 2.0 Activity Diagram Profile"
23	Sneha and Varshney (2009)	"Enabling Ubiquitous Patient Monitoring: Model, Decision Protocols, Opportunities and Challenges"
24	Song and Zahedi (2007)	"Trust in Health Infomediaries"
25	Tarakci et al. (2009)	"On the Staffing Policy and Technology Investment in a Specialty Hospital Offering Telemedicine"

Decision Support Systems (Continued)		
Author(s)		**Title**
26	Tremblay et al. (2007)	"Doing More with More Information: Changing Healthcare Planning with OLAP Tools"
27	Tremblay et al. (2012)	"Design of an Information Volatility Measure for Health Care Decision Making"
28	Tu et al. (2009)	"Identifying RFID-Embedded Objects in Pervasive Healthcare Applications"
29	van Baalen and van Fenema (2009)	"Instantiating Global Crisis Networks: The Case of SARS"
30	Varshney (2008)	"A Framework for Supporting Emergency Messages in Wireless Patient Monitoring"
31	Walter Lopez(2008)	"Physician Acceptance of Information Technologies: Role of Perceived Threat to Professional Autonomy"
32	Wu et al. (2011)	"The Adoption of Mobile Healthcare by Hospital's Professionals: An Integrative Perspective"
33	Yeh et al. (2011)	"Using Data Mining Techniques to Predict Hospitalization of Hemodialysis Patients"
34	Zhang et al. (2009)	"Automatic Online News Monitoring and Classification for Syndromic Surveillance"
35	Zhou and Piramuthu (2010)	"Framework, Strategy and Evaluation of Health Care Processes with RFID"

European Journal of Information Systems		
Author(s)		**Title**
1	Azad and King (2008)	"Enacting Computer Workaround Practices within a Medication Dispensing System"
2	Bhattacherjee and Hikmet (2007)	"Physicians' Resistance toward Healthcare Information Technology: a Theoretical Model and Empirical Test"
3	Bjørn et al. (2009)	"Boundary Factors and Contextual Contingencies: Configuring Electronic Templates for Healthcare Professionals"
4	Boonstra et al. (2008)	"Stakeholder Management in IOS Projects: Analysis of an attempt to Implement an Electronic Patient File"
5	Chiasson and Green	"Questioning the IT Artefact: User Practices that Can, Could, and Cannot be Supported in Packaged-Software Designs"
6	Cho and Mathiasson (2007)	"The Role of Industry Infrastructure in Telehealth Innovations: A Multi-Level Analysis of a Telestroke Program"
7	Cho et al. (2008)	"Contextual Dynamics during Health Information Systems Implementation: An Event-Based Actor-Network Approach"
8	Chu and Robey (2008)	"Explaining Changes in Learning and Work Practice following the Adoption of Online Learning: A Human Agency Perspective"
9	Davidson and Chiasson (2005)	"Contextual Influences on Technology Use Mediation: A Comparative Analysis of Electronic Medical Record Systems"
10	Fernández-Medina et al. (2007)	"Model-driven Multidimensional Modeling of Secure Data Warehouses"
11	Fitzgerald and Russo (2005)	"The Turnaround of the London Ambulance Service Computer-Aided Despatch System (LASCAD)"
12	Hunter (2010)	"Same Technology, Different Outcome? Reinterpreting Barley's Technology as an Occasion for Structuring"
13	Jensen and Aanestad (2007)	"Hospitality and Hostility in Hospitals: A Case Study of an EPR Adoption among Surgeons"
14	Kartseva et al. (2010)	"Control Patterns in a Health-Care Network"
15	Karuppan and Karuppan (2008)	"Resilience of Super Users' Mental Models of Enterprise-wide Systems"

European Journal of Information Systems (Continued)		
Author(s)		**Title**
16	Klecun and Cornford (2005)	"A Critical Approach to Evaluation"
17	Klein (2007)	"An Empirical Examination of Patient-Physician Portal Acceptance"
18	Lederman and Johnston (2011)	"Decision Support or Support for Situated Choice: Lessons for System Design from Effective Manual Systems"
19	Lee and Shim (2007)	"An Exploratory Study of Radio Frequency Identification (RFID) Adoption in the Healthcare Industry"
20	Mantzana et al. (2007)	"Identifying Healthcare Actors Involved in the Adoption of Information Systems"
21	Mekonnen and Sahay (2008)	"An Institutional Analysis on the Dynamics of the Interaction between Standardizing and Scaling Processes: A Case Study from Ethiopia"
22	Payton and Kiwanuka-Tondo (2009)	"Contemplating Public Policy in HIV/AIDS Online Content, then where is the Technology Spirit?"
23	Reardon and Davidson (2007)	"An Organizational Learning Perspective on the Assimilation of Electronic Medical Records among Small Physician Practices"
24	Van Akkeren and Rowlands (2007)	"An Epidemic of Pain in an Australian Radiology Practice"
25	Warkentin et al. (2011)	"The Influence of the Informal Social Learning Environment on Information Privacy Policy Compliance Efficacy and Intention"
26	Wiredu and Sørensen (2006)	"The Dynamics of Control and Mobile Computing in Distributed Activities"

Human Relations		
Author(s)		**Title**
1	Collin-Jacques and Smith (2005)	"Nursing on the Line: Experiences from England and Quebec (Canada)"
2	Korica and Molloy (2010)	"Making Sense of Professional Identities: Stories of Medical Professionals and New Technologies"
3	Gherardi (2010)	"Telemedicine: A Practice-Based Approach to Technology"
4	Hanlon et al. (2005)	"Knowledge, Technology and Nursing: The case of NHS Direct "
5	Tagliaventi and Mattarelli (2006)	"The Role of Networks of Practice, Value Sharing, and Operational Proximity in Knowledge Flows between Professional Groups"

Information and Management		
Author(s)		**Title**
1	Chang et al. (2009)	"Factors Affecting Cross-Hospital Exchange of Electronic Medical Records"
2	Hung et al. (2011)	"An Empirical Study of the Effectiveness of Multimedia Disclosure of Informed Consent: A Technology Mediated Learning Perspective"
3	Lin et al. (2008)	"An Exploratory Model of Knowledge Flow Barriers within Healthcare Organizations"
4	Yi et al. (2006)	"Understanding Information Technology Acceptance by Individual Professionals: Toward an Integrative View"

Information and Organization		
Author(s)		**Title**
1	Chiasson and Davidson (2004)	"Pushing the Contextual Envelope: Developing and Diffusing IS Theory for Health Information Systems Research"
2	Constantinides and Barrett (2006)	"Negotiating ICT Development and Use: The Case of a Telemedicine System in the Healthcare Region of Crete"
3	Puri et al. (2009)	Building Participatory HIS networks: A Case Study from Kerala, India"

Information Systems Research		
Author(s)		**Title**
1	Agarwal et al. (2010)	"The Digital Transformation of Healthcare: Current Status and the Road Ahead"
2	Anderson and Agarwal (2011)	"The Digitization of Healthcare: Boundary Risks, Emotion, and Consumer Willingness to Disclose Personal Health Information"
3	Aron et al. (2011)	"The Impact of Automation of Systems on Medical Errors: Evidence from Field Research"
4	Chen et al. (2011)	"Managing Emerging Infectious Diseases with Information Systems: Reconceptualizing Outbreak Management Through the Lens of Loose Coupling"
5	Garfinkel et al. (2007)	"Releasing Individually Identifiable Microdata with Privacy Protection Against Stochastic Threat: An Application to Health Information"
6	Goh et al. (2011)	"Evolving Work Routines: Adaptive Routinization of Information Technology in Healthcare"
7	Kane and Alavi (2007)	"Casting the Net: A Multimodal Network Perspective on User-System Interactions"
8	Kane and Labianca (2011)	"IS Avoidance in Health-Care Groups: A Multilevel Investigation"
9	Mukhopadhyay et al. (2011)	"Learning Curves of Agents with Diverse Skills in Information Technology-Enabled Physician Referral Systems"
10	Oborn et al. (2011)	"Unity in Diversity: Electronic Patient Record Use in Multidisciplinary Practice"
11	Ozdemir et al. (2011)	"An Analysis of the Adoption of Digital Health Records Under Switching Costs"
12	Venkatesh et al. (2011)	"'Doctors Do Too Little Technology': A Longitudinal Field Study of an Electronic Healthcare System Implementation"

Information Technology and People		
Authors		**Title**
1	Adams and Berg (2004)	"The Nature of the Net: Constructing Reliability of Health Information on the Web"
2	Cho et al. (2009)	"Crossing the Diffusion Chasm: From Invention to Penetration of a Telehealth Innovation"
3	Leimeister et al. (2008)	"Do Virtual Communities Matter for the Social Support of Patients?"
4	McBride (2008)	"Using Performance Ethnography to Explore the Human Aspects of Software Quality"
5	Moser and Law (2006)	"Fluids or Flows? Information and Qualculation in Medical Practice"
6	Noir and Walsham (2007)	"The Great Legitimizer: ICT as Myth and Ceremony in the Indian Healthcare Sector"
7	Winthereik et al. (2008)	"Making Technology Public: Challenging the Notion of Script through an E-health Demonstration Video"

International Journal of Information Management		
	Author(s)	**Title**
1	Adewale (2004)	"An Internet-Based Telemedicine System in Nigeria"
2	Brooks et al. (2008)	"Adapting Structuration Theory to Understand the Role of Reflexivity: Problematization, Clinical Audit and Information Systems"
3	Caro (2008)	"Deconstructing Symbiotic Dyadic E-Health Networks: Transnational and Transgenic Perspectives"
4	Cegarra-Navarro et al. (2011)	"Balancing Technology and Physician-Patient Knowledge through an Unlearning Context"
5	Cegarra-Navarro and Sánchez-Polo (2010)	"Implementing Telemedicine through eListening in Hospital-in-the-home Units"
6	Flett et al. (2008)	"Reengineering Systems in General Practice - A Case Study Review"
7	Guah (2008)	"IT Project Escalation: A Case Analysis within the UK NHS"
8	Lorence and Spink (2004)	"Healthcare Information Systems Outsourcing"
9	Meseguer-Santamaría et al. (2011)	"Are Spanish Health Services Appropriate to the Needs of People with Disabilities?"
10	Vozikis (2009)	"Information Management of Medical Errors in Greece: The MERIS Proposal"
11	Williams and Boren (2008)	"The Role of Electronic Medical Record in Care Delivery in Developing Countries"

Information Systems Journal		
	Author(s)	**Title**
1	Boonstra and Van Offenbeek (2010)	"Towards Consistent Modes of E-health Implementation: Structurational Analysis of a Telecare Programme's Limited Success"
2	Doolin (2004)	"Power and Resistance in the Implementation of a Medical Management Information System"
3	Hussain and Cornelius (2009)	"The Use of Domination and Legitimation in Information Systems Implementation"
4	Klecun-Dabrowska et al. (2000)	"Telehealth Acquires Meanings: Information and Communication Technologies within Health Policy"
5	Ko and Osei-Bryson (2004)	"Using Regression Splines to Assess the Impact of Information Technology Investments on Productivity in the Health Care Industry"
6	Stahl et al. (2012)	"Information Security Policies in the UK Healthcare Sector: A Critical Evaluation"

Journal of the Association of Information Systems		
	Author(s)	**Title**
1	Compeau et al. (2007)	"From Prediction to Explanation: Reconceptualizing and Extending the Perceived Characteristics of Innovating"
2	Feldman and Horan (2011)	"The Dynamics of Information Collaboration: A Case Study of Blended IT Value Propositions for Health Information Exchange in Disability Determination"
3	Heart et al. (2011)	"Investigating Physicians' Compliance with Drug Prescription Notifications"
4	Kaganer et al. (2010)	"Building Legitimacy for IT Innovations: The Case of Computerized Physician Order Entry Systems"
5	Kelley et al. (2011)	"The Clinical Impact of E-Health on the Self-Management of Diabetes: A Double Adoption Perspective"
6	Liang et al. (2010)	"Understanding the Influence of Team Climate on IT Use"
7	Mbarika et al. (2005)	"The Neglected Continent of IS Research: A Research Agenda for Sub-Saharan Africa"

Journal of the Association of Information Systems (Continued)		
Author(s)		**Title**
8	Ramiller and Pentland (2009)	"Management Implications in Information Systems Research: The Untold Story"
9	Ridings and Wasko (2010)	"Online Discussion Group Sustainability: Investigating the Interplay between Structural Dynamics and Social Dynamics over Time"
10	Rivard et al. (2011)	"An Organizational Culture-Based Theory of Clinical Information Systems Implementation in Hospitals"
11	Sahay et al. (2009)	"Configurable Politics and Asymmetric Integration: Health e-Infrastructures in India"
12	Setia et al. (2011)	"The Effects of the Assimilation and Use of IT Applications on Financial Performance in Healthcare Organizations"
13	Shaw and Stahl (2011)	"On Quality and Communication: The Relevance of Critical Theory to Health Informatics"
14	Singh et al. (2011)	"Dynamic Capabilities in Home Health: IT-Enabled Transformation of Post-Acute Care"
15	Ure et al. (2009)	"The Development of Data Infrastructures for E Health: A Socio-Technical Perspective"

Journal of Organizational and End User Computing		
Author(s)		**Title**
1	Adams et al. (2004)	"Applying Strategies to Overcome User Resistance in a Group of Clinical Managers to a Business Software Application: A Case Study"
2	Ma and Liu (2005)	"The Role of Internet Self-Efficacy in the Acceptance of Web-Based Electronic Medical Records"

Journal of Information Technology		
Author(s)		**Title**
1	Barki et al. (2008)	"Linking IT Implementation and Acceptance Via the Construct of Psychological Ownership of Information Technology"
2	Brennan (2007)	"The Biggest Computer Programme in the World Ever! How's it Going?"
3	Cho et al. (2007)	"Dialectics of Resilience: A Multi-Level Analysis of a Telehealth Innovation"
4	Clegg and Shepherd (2007)	"The Biggest Computer Programme in the World...Ever!: Time for a Change in Mindset?"
5	Currie and Guha(2007)	"Conflicting Institutional Logics: A National Programme for IT in the Organisational Field of Healthcare"
6	Doolin (1998)	"Information Technology as Disciplinary Technology: Being Critical in Interpretive Research on Information Systems"
7	Eason (2007)	"Local Socio-Technical System Development in the NHS National Programme for Information Technology"
8	Gianchandani (2011)	"Toward Smarter Health and Well-being: An Implicit Role for Networking and Information Technology"
9	Gillies (1995)	"On the Computerization of General Practice in the UK: The IT Perspective"
10	Iacovou (1999)	"The IPACS Project: When IT Hits the Fan"
11	Igira (2008)	"The Situatedness of Work Practices and Organizational Culture: Implications for Information Systems Innovation Uptake"
12	Jayasuriya (1993)	"Stages of Growth in End-User Computing: Applications in the Health Sector of Developing Countries in Asia-Pacific"

Journal of Information Technology (Continued)		
Author(s)		**Title**
13	Jensen et al. (2009)	"Using Institutional Theory with Sensemaking Theory: A Case Study of Information System Implementation in Healthcare"
14	Mark (2007)	"Modernising Healthcare -Is the NPfIT for Purpose?"
15	Millington et al. (1991)	"Current Use of Software Tools in the Development of Medical and Health Services Computer Applications--A survey"
16	Randell (2007)	"A Computer Scientist's Reactions to NPfIT"
17	Riley and Smith (1997)	"Developing and Implementing IS:A Case Study Analysis in Social Services"
18	Sauer and Willcocks (2007)	"Unreasonable Expectations - NHS IT, Greek Choruses and the Games Institutions Play around Mega-Programmes"
19	Siau (2006)	"e-Healthcare in ABC County Health Department : Trade-Offs Analysis and Evaluation"
20	Wainwright and Waring (2007)	"The Application and Adaptation of a Diffusion of Innovation Framework for Information Systems Research in NHS General Medical Practice"
21	Westrup (1993)	"Information Systems Methodologies in Use"
22	Willcocks and Mark (1989)	"IT Systems Implementation: Research Findings from the Public Sector"

Journal of Management Information Systems		
Author(s)		**Title**
1	Ayal and Seidmann (2009)	"An Empirical Investigation of the Value of Integrating Enterprise Information Systems: The Case of Imaging Informatics"
2	Brown et al. (2004)	"Interpersonal Traits, Complementarity, and Trust in Virtual Collaboration"
3	Khoumbati et al. (2006)	"Evaluating the Adoption of Enterprise Application Integration in Health-Care Organizations"
4	Leimeister et al. (2005)	"Design, Implementation, and Evaluation of Trust-Supporting Components in Virtual Communities for Patients"
5	Menon et al. (2009)	"Differential Effects of the Two Types of Information Systems: A Hospital-Based Study"
6	Østerlund (2007)	"Genre Combinations: A Window into Dynamic Communication Practices"
7	Paul (2006)	"Collaborative Activities in Virtual Settings: A Knowledge Management Perspective of Telemedicine"
8	Ren et al. (2008)	" Multiple Group Coordination in Complex and Dynamic Task Environments: Interruptions, Coping Mechanisms, and Technology Recommendations"

Journal of Strategic Information Systems		
Author(s)		**Title**
1	Aanestad and Jensen(2011)	"Building Nation-Wide Information Infrastructures in Healthcare through Modular Implementation Strategies"
2	Abraham and Junglas (2011)	" From Cacophony to Harmony: A Case Study about the IS Implementation Process as an Opportunity for Organizational Transformation at Sentara Healthcare"
3	Boonstra et al. (2011)	"Strategic Alternatives in Telecare Design: Developing a Value-Configuration-Based Alignment Framework"
4	Hedström et al. (2011)	"Value Conflicts for Information Security Management"
5	Leidner et al. (2010)	"An Examination of the Antecedents and Consequences of Organizational IT Innovation in Hospitals"

Journal of Strategic Information Systems (Continued)		
Author(s)		**Title**
6	Spinardi et al. (1997)	"EDI in the Scottish Health Service: Inter-Organisational Systems and Inter-Organisational Change"
7	Tarafdar and Gordon (2007)	"Understanding the Influence of Information Systems Competencies on Process Innovation: A Resource-Based View"
8	Vaast (2007)	"Danger is in the Eye of the Beholders: Social Representations of Information Systems Security in Healthcare"

MIS Quarterly		
Author(s)		**Title**
1	Angst and Agarwal (2009)	"Adoption of Electronic Health Records in the Presence of Rrivacy Concerns: The Elaboration Likelihood Model and Individual Persuasion"
2	Bélanger and Crossler (2011)	"Privacy in the Digital Age: A Review of Information Privacy Research in Information Systems"
3	Braa et al. (2007)	"Developing Health Information Systems in Developing Countries: The Flexible Standards Strategy"
4	Braa et al. (2004)	"Networks of Action: Sustainable Health Information Systems Across Developing Countries"
5	Davidson and Chismar (2007)	"The Interaction of Institutionally Triggered and Technology- Triggered Social Structure Change: An Investigation of Computerized Physician Order Entry"
6	Hanseth et al. (2006)	"Reflexive Standardization: Side Effects and Complexity in Standard Making"
7	Kane and Borgatti (2011)	"Centrality-IS Proficiency Alignment and Workgroup Performance"
8	Kohli and Kettinger (2004)	"Informating the Clan: Controlling Physicians' Costs and Outcomes"
9	Lapointe amd Rivard (2005)	"A Multilevel Model of Resistance to Information Technology Implementation"
10	Miscione (2007)	"Telemedicine in the Upper Amazon: Interplay with Local Health Care Practices"
11	Mitchell (2006)	"Knowledge Integration and Information Technology Project Performance"
12	Paul and McDaniel (2004)	"A Field Study of the Effect of Interpersonal Trust on Virtual Collaborative Relationship Performance"
13	Silva and Hirschheim (2007)	"Fighting Against Windmills: Strategic Information Systems and Organizational Deep Structures"
14	Xue et al. (2008)	"Information Technology Governance in Information Technology Investment Decision Processes: The Impact of Investment Characteristics, External Environment, and Internal Context"

Organization Science		
Author(s)		**Title**
1	Lapointe et al.(2007)	"A Triple Take on Information System Implementation"
2	Nicolini (2011)	"Practice as the Site of Knowing: Insights from the Field of Telemedicine"

Organization Studies		
Author(s)		**Title**
1	van Offenbeek et al. (2009)	"Enacting Fit in Work Organization and Occupational Structure Design: The Case of Intermediary Occupations in a Dutch Hospital"

The Information Society		
	Author(s)	**Title**
1	Arora (2010)	"Digital Gods: The Making of a Medical Fact for Rural Diagnostic Software"
2	Ellingsen et al. (2007)	"Standardization of Work: Co-constructed Practice"
3	Hyysalo (2006)	"The Role of Learning-by-Using in the Design of Health Care Technologies: A Case Study"
4	Josefsson (2005)	"Coping with Illness Online: The Case of Patients' Online Communities"
5	Madon et al. (2007)	"E-Government Policy and Health Information Systems Implementation in Andhra Pradesh, India: Need for Articulation of Linkages between the Macro and the Micro"
6	Wessels et al. (2008)	"Mediating Voices: Community Participation in the Design of e-Enabled Community Care Services"

References

Aanestad, M., and Jensen, T. B. 2011. "Building Nation-Wide Information Infrastructures in Healthcare through Modular Implementation Strategies," *The Journal of Strategic Information Systems* (20:2), pp. 161-176.

Aarts, J., Ash, J., and Berg, M. 2007. "Extending the Understanding of Computerized Physician Order Entry: Implications for Professional Collaboration, Workflow and Quality of Care," *International Journal of Medical Informatics* (76), pp. S4-S13.

Abraham, C., and Junglas, I. 2011. "From Cacophony to Harmony: A Case Study about the IS Implementation Process as an Opportunity for Organizational Transformation at Sentara Healthcare," *The Journal of Strategic Information Systems* (20:2), pp. 177-197.

Abraham, C., Watson, R. T., and Boudreau, M. C. 2008. "Ubiquitous Access: On the Front Lines of Patient Care and Safety," *Communications of the ACM* (51:6), pp. 95-99.

Adams, B., Berner, E. S., and Wyatt, J. R. 2004. "Applying Strategies to Overcome User Resistance in a Group of Clinical Managers to a Business Software Application: A Case Study," *Journal of Organizational and End User Computing* (16:4), pp. 55-64.

Adams, S., and Berg, M. 2004. "The Nature of the Net: Constructing Reliability of Health Information on the Web," *Information Technology & People* (17:2), pp. 150-170.

Adewale, O. S. 2004. "An Internet-Based Telemedicine System in Nigeria," *International Journal of Information Management* (24:3), pp. 221-234.

Adler, P. S., Kwon, S-W., and Heckscher, C. H. 2008. "Professional Work: The Emergence of Collaborative Community," *Organization Science* (19:2), pp. 359-376.

Agarwal, R., Gao, G., DesRoches, C., and Jha, A. K. 2010. "Research Commentary—The Digital Transformation of Healthcare: Current Status and the Road Ahead," *Information Systems Research* (21:4), pp. 796-809.

Agrawal, R., Grandison, T., Johnson, C., and Kiernan, J. 2007. "Enabling the 21st st Century Health care Information Technology Revolution," *Communications of the ACM* (50:2), pp. 34-42.

Airoldi, E. M., Bai, X., and Malin, B. A. 2011. "An Entropy Approach to Disclosure Risk Assessment: Lessons from Real Applications and Simulated Domains," *Decision Support Systems* (51:1), pp. 10-20.

Anderson, C. L., and Agarwal, R. 2011. "The Digitization of Healthcare: Boundary Risks, Emotion, and Consumer Willingness to Disclose Personal Health Information," *Information Systems Research* (22:3), pp. 469-490.

Anderson, J. G. 1997. "Clearing the Way for Physicians' Use of Information Systems," *Communications of the ACM* (40:8), pp. 83-90.

Angst, C. M., and Agarwal, R. 2009. "Adoption of Electronic Health Records in the Presence of Privacy Concerns: The Elaboration Likelihood Model and Individual Persuasion," *MIS Quarterly* (33:2), pp. 339-370.

Aron, R., Dutta, S., Janakiraman, R., and Pathak, P. A. 2011. "The Impact of Automation of Systems on Medical Errors: Evidence from Field Research," *Information Systems Research* (22:3), pp. 429-446.

Arora, P. 2010. "Digital Gods: The Making of a Medical Fact for Rural Diagnostic Software," *The Information Society* (26:1), pp. 70-79.

Arora, H., Raghu, T. S., and Vinze, A. 2010. "Resource Allocation for Demand Surge Mitigation during Disaster Response," *Decision Support Systems* (50:1), pp. 304-315.

Ash, J. S., and Bates, D. W. 2005. "Factors and Forces Affecting EHR System Adoption: Report of a 2004 ACMI Discussion," *Journal of the American Medical Informatics Association* (12:1), pp. 8-12.

Ash, J. S., Berg, M., and Coiera, E. 2004. "Some Unintended Consequences of Information Technology in Health Care: The Nature of Patient Care Information System-Related Errors," *Journal of the American Medical Informatics Association* (11:2), pp. 104-112.

Ash, J. S., Sittig, D. F., Poon, E. G., Guappone, K., Campbell, E., and Dykstra, R. H. 2007. "The Extent and Importance of Unintended

Consequences Related to Computerized Provider Order Entry," *Journal of the American Medical Informatics Association* (14:4), pp. 415-423.

Avison, D., and Young, T. 2007. "Time to Rethink Health Care and ICT?," *Communications of the ACM* (50:6), pp. 69-74.

Ayal, M., and Seidmann, A. 2009. "An Empirical Investigation of the Value of Integrating Enterprise Information Systems: The Case of Medical Imaging Informatics," *Journal of Management Information Systems* (26:2), pp. 43-68.

Azad, B., and King, N. 2008. "Enacting Computer Workaround Practices Within a Medication Dispensing System," *European Journal of Information Systems* (17:3), pp. 264-278.

Bala, H., Venkatesh, V., Venkatraman, S., Bates, J., and Brown, S. H. 2009. "Disaster Response in Health Care: A Design Extension for Enterprise Data Warehouse," *Communications of the ACM* (52:1), pp. 136-140.

Bansal, G., Zahedi, F. M., and Gefen, D. 2010. "The Impact of Personal Dispositions on Information Sensitivity, Privacy Concern and Trust in Disclosing Health Information Online," *Decision Support Systems* (49:2), pp. 138-150.

Barki, H., Paré, G., and Sicotte, C. 2008. "Linking IT Implementation and Acceptance via the Construct of Psychological Ownership of Information Technology," *Journal of Information Technology* (23:4), pp. 269-280.

Bélanger, F., and Crossler, R. E. 2011. "Privacy in the Digital Age: A Review of Information Privacy Research in Information Systems," *MIS Quarterly* (35:4), pp. 1017-A1036.

Ben Ayed, M., Ltifi, H., Kolski, C., and Alimi, A. M. 2010. "A user-Centered Approach for the Design and Implementation of KDD-Based DSS: A Case Study in the Healthcare Comain," *Decision Support Systems* (50:1), pp. 64-78.

Berndt, D. J., Fisher, J. W., Craighead, J. G., Hevner, A. R., Luther, S., and Studnicki, J. 2007. "The Role of Data Warehousing in Bioterrorism Surveillance," *Decision Support Systems* (43:4), pp. 1383-1403.

Bhattacherjee, A., and Hikmet, N. 2007. "Physicians' Resistance toward Healthcare Information Technology: A Theoretical Model and Empirical Test," *European Journal of Information Systems* (16:6), pp. 725-737.

Bielza, C., Fernández del Pozo, J. A., and Lucas, P. J. F. 2008. "Explaining Clinical Decisions by Extracting Regularity Patterns," *Decision Support Systems* (44:2), pp. 397-408.

Bjørn, P., Burgoyne, S., Crompton, V., Macdonald, T., Pickering, B., and Munro, S. 2009. "Boundary Factors and Contextual Contingencies: Configuring Electronic Templates for Healthcare Professionals," *European Journal of Information Systems* (18:5), pp. 428-441.

Boonstra, A., Boddy, D., and Bell, S. 2008. "Stakeholder Management in IOS Projects: Analysis of an Attempt to Implement an Electronic Patient File," *European Journal of Information Systems* (17:2), pp. 100-111.

Boonstra, A., Broekhuis, M., Van Offenbeek, M., and Wortmann, H. 2011. "Strategic Alternatives in Telecare Design: Developing a Value-Configuration-Based Alignment Framework," *The Journal of Strategic Information Systems* (20:2), pp. 198-214.

Boonstra, A., and Van Offenbeek, M. 2010. "Towards Consistent Modes of E-Health Implementation: Structurational Analysis of a Telecare Programme's Limited Success," *Information Systems Journal* (20:6), pp. 537-561.

Braa, J., Hanseth, O., Heywood, A., Mohammed, W., and Shaw, V. 2007. "Developing Health Information Systems in Developing Countries: The Flexible Standards Strategy," *MIS Quarterly* (31), pp. 381-402.

Braa, J., Monteiro, E., and Sahay, S. 2004. "Networks of Action: Sustainable Health Information Systems Across Developing Countries," *MIS Quarterly* (28:3), pp. 337-362.

Brennan, S. 2007. "The Biggest Computer Programme in the World Ever! How's it Going?," *Journal of Information Technology* (22:3), pp. 202-211.

Brooks, L., Atkinson, C., and Wainwright, D. 2008. "Adapting Structuration Theory to Understand the Role of Reflexivity: Problematization, Clinical Audit and Information Systems," *International Journal of Information Management* (28:6), pp. 453–460.

Brown, H. G., Poole, M. S., and Rodgers, T. L. 2004. "Interpersonal Traits, Complementarity, and Trust in Virtual Collaboration," *Journal of Management Information Systems* (20:4), pp. 115-138.

Cannoy, S. D., and Salam, A. 2010. "A Framework for Health Care Information Assurance Policy and Compliance," *Communications of the ACM* (53:3), pp. 126-131.

Cantrill, M., and Stephen, V. 2010. "Computers in Patient Care: The Promise and the Challenge," *ACM Queue* (8:8).

Caro, D. H. J. 2008. "Deconstructing Symbiotic Dyadic E-Health Networks: Transnational and Transgenic Perspectives," *International Journal of Information Management* (28:2), pp. 94-101.

Cegarra-Navarro, J. G., Cepeda-Carrion, G., and Eldridge, S. 2011. "Balancing Technology and Physician-Patient Knowledge through an Unlearning Context," *International Journal of Information Management* (31:5), pp. 420-427.

Cegarra-Navarro, J.-G., and Sánchez-Polo, M. T. 2010. "Implementing Telemedicine through eListening in Hospital-in-the-Home Units," *International Journal of Information Management* (30:6), pp. 552-558.

Chang, I., Hwang, H. G., Hung, M. C., Kuo, K. M., and Yen, D. C. 2009. "Factors Affecting Cross-Hospital Exchange of Electronic Medical Records," *Information & Management* (46:2), pp. 109-115.

Chang, W. L., Yuan, S. T., and Li, E. Y. 2009. "iCare Home Portal: An Extended Model of Quality Aging E-Services," *Communications of the ACM* (52:11), pp. 118-124.

Chatterjee, S., Chakraborty, S., Sarker, S., Sarker, S., and Lau, F. Y. 2009. "Examining the Success Factors for Mobile Work in Healthcare: A Deductive Study," *Decision Support Systems* (46:3), pp. 620-633.

Chau, P. Y. K., and Hu, P. J. 2002a. "Examining a Model of Information Technology Acceptance by Individual Professionals: An Exploratory Study," *Journal of Management Information Systems* (18:4), pp. 191-229.

Chau, P. Y. K., and Hu, P. J. 2002b. "Investigating Healthcare Professionals' Decisions to Accept Telemedicine Technology: An Empirical Test of Competing Theories," *Information & Management* (39:4), pp. 297-311.

Chau, P. Y. K., and Hu, P. J. H. 2004. "Technology Implementation for Telemedicine Programs," *Communications of the ACM* (47:2), pp. 87-92.

Chen, Y.-D., Brown, S. A., Hu, P. J.-H., King, C.-C., and Chen, H. 2011. "Managing Emerging Infectious Diseases with Information Systems: Reconceptualizing Outbreak Management Through the Lens of Loose Coupling," *Information Systems Research* (22:3), pp. 447-468.

Chiasson, M. W., and Davidson, E. J. 2004. "Pushing the Contextual Envelope: Developing and Diffusing IS theory for Health Information Systems Research," *Information and Organization* (14:3), pp. 155-188.

Chiasson, M. W., and Green, L. W. 2007. "Questioning the IT Artefact: User Practices that Can, Could, and Cannot be Supported in Packaged-Software Designs," *European Journal of Information Systems* (16:5), pp. 542-554.

Cho, S. 2007. *A Contextualist Approach to Telehealth Innovations,* unpublished Ph.D. Dissertation, Georgia State University, Atlanta, GA.

Cho, S., and Mathiassen, L. 2007. "The Role of Industry Infrastructure in Telehealth Innovations: A Multi-Level Analysis of a Telestroke Program," *European Journal of Information Systems* (16:6), pp. 738-750.

Cho, S., Mathiassen, L., and Gallivan, M. 2009. "Crossing the Diffusion Chasm: From Invention to Penetration of a Telehealth Innovation," *Information Technology & People* (22:4), pp. 351-366.

Cho, S., Mathiassen, L., and Nilsson, A. 2008. "Contextual Dynamics during Health Information Systems Implementation: An Event-Based Actor-Network Approach," *European Journal of Information Systems* (17:6), pp. 614-630.

Cho, S., Mathiassen, L., and Robey, D. 2007b. "Dialectics of Resilience: A Multi-Level Analysis of a Telehealth Innovation," *Journal of Information Technology* (22:1), pp. 24-24.

Chu, T.-H., and Robey, D. 2008. "Explaining Changes in Learning and Work Practice following the Adoption of Online Learning: A Human Agency Perspective," *European Journal of Information Systems* (17:1), pp. 79-98.

Clegg, C., and Shepherd, C. 2007. "'The Biggest Computer Programme in the World...Ever!': Time for a Change in Mindset?," *Journal of Information Technology* (22:3), pp. 212-221.

Collin-Jacques, C., and Smith, C. 2005. "Nursing on the Line: Experiences from England and Quebec (Canada)," *Human Relations* (58:1), pp. 5-32.

Compeau, D. R., Meister, D. B., and Higgins, C. A. 2007. "From Prediction to Explanation: Reconceptualizing and Extending the Perceived Characteristics of Innovating," *Journal of the Association for Information Systems* (8:8), pp. 409-439.

Constantinides, P., and Barrett, M. 2006. "Negotiating ICT Development and Use: The Case of a Telemedicine System in the Healthcare Region of Crete," *Information and Organization* (16:1), pp. 27-55.

Corchado, J. M., Bajo, J., de Paz, Y., and Tapia, D. I. 2008. "Intelligent Environment for Monitoring Alzheimer Patients, Agent Technology for Health Care," *Decision Support Systems* (44:2), pp. 382-396.

Currie, W. L., and Guah, M. W. 2007. "Conflicting Institutional Logics: A National Programme for IT in the Organisational Field of Healthcare," *Journal of Information Technology* (22:3), pp. 235-247.

Davidson, E. J., and Chiasson, M. W. 2005. "Contextual Influences on Technology Use Mediation: A Comparative Analysis of Electronic Medical Record Systems," *European Journal of Information Systems* (14:1), pp. 6-18.

Davidson, E. J., and Chismar, W. 2007. "The Interaction of Institutionally Triggered and Technology-Triggered Social Structure Change: An Investigation of Computerized Physician Order Entry," *MIS Quarterly* (31:4), pp. 739-758.

Davis, F. D. 1989. "Perceived Usefulness, Perceived Ease of Use, and User Acceptance of Information Technology," *MIS Quarterly* (13:3). pp. 319-340.

Delen, D., Oztekin, A., and Tomak, L. 2012. "An Analytic Approach to Better Understanding and Management of Coronary Surgeries," *Decision Support Systems* (52:3), pp. 698-705.

Devaraj, S., and Kohli, R. 2000. "Information Technology Payoff in the Health-Care Industry: A Longitudinal Study," *Journal of Management Information Systems* (16:4), pp. 41-68.

Doolin, B. 1998. "Information Technology as Disciplinary Technology: Being Critical in Interpretive Research on Information Systems," *Journal of Information Technology* (13:4), pp. 301-311.

Doolin, B. 2004. "Power and Resistance in the Implementation of a Medical Management Information System," *Information Systems Journal* (14:4), pp. 343-362.

Eason, K. 2007. "Local Sociotechnical System Development in the NHS National Programme for Information Technology," *Journal of Information Technology* (22:3), pp. 257-264.

Egyhazy, C., and Mukherji, R. 2004. "Interoperability Architecture using RM-ODP," *Communications of the ACM* (47:2), pp. 93-97.

Ellingsen, G., Monteiro, E., and Munkvold, G. 2007. "Standardization of Work: Co-constructed Practice," *Information Society* (23:5), pp. 309-326.

Feldman, S. S., and Horan, T. A. 2011. "The Dynamics of Information Collaboration: A Case Study of Blended IT Value Propositions for Health Information Exchange in Disability Determination," *Journal of the Association for Information Systems* (12:2).

Fernández-Medina, E., Trujillo, J., and Piattini, M. 2007. "Model-Driven Multidimensional Modeling of Secure Data Warehouses," *European Journal of Information Systems* (16:4), pp. 374-389.

Fitzgerald, G., and Russo, N. L. 2005. "The Turnaround of the London Ambulance Service Computer-Aided Despatch System (LASCAD)," *European Journal of Information Systems.* (14:3), pp. 244-257.

Flett, P., Curry, A., and Peat, A. 2008. "Reengineering Systems in General Practice—A Case Study Review," *International Journal of Information Management* (28:2), pp. 83-93.

Fu, K. 2009. "Viewpoints: Inside Risks Reducing Risks of Implantable Medical Devices," *Communications of the ACM* (52:6), pp. 25-27.

Garfinkel, R., Gopal, R., and Thompson, S. 2007. "Releasing Individually Identifiable Microdata with Privacy Protection Against Stochastic Threat: An Application to Health Information," *Information Systems Research* (18), pp. 23-41.

Garg, A. X., Adhikari, N. K. J., McDonald, H., Rosas-Arellano, M. P., Devereaux, P. J., Beyene, J., Sam, J., and Haynes, R. B. 2005. "Effects of Computerized Clinical Decision Support Systems on Practitioner Performance and Patient Outcomes: A Systematic Review," *Journal of the American Medical Association* (293:10), pp. 1223-1238.

Gherardi, S. 2010. "Telemedicine: A Practice-Based Approach to Technology," *Human Relations* (63:4), pp. 501-524.

Gianchandani, E. P. 2011. "Toward Smarter Health and Well-Being: An Implicit Role for Networking and Information Technology," *Journal of Information Technology* (26:2), pp. 120-128.

Gillies, A. 1995. "On the Computerization of General Practice in the UK: The IT Perspective," *Journal of Information Technology* (10:2), pp. 75-85.

Gittell, J. H. 2002. "Coordinating Mechanisms in Care Provider Groups: Relational Coordination as a Mediator and Input Uncertainty as a Moderator of Performance Effects," *Management Science* (48:11), pp. 1408-1426.

Goh, J. M., Gao, G. G., and Agarwal, R. 2011. "Evolving Work Routines: Adaptive Routinization of Information Technology in Healthcare," *Information Systems Research* (22:3), pp. 565-585.

Goldschmidt, P. G. 2005. "HIT and MIS: Implications of Health Information Technology and Medical Information Systems," *Communications of the ACM* (48:10), pp. 68-74.

Guah, M. W. 2008. "IT Project Escalation: A Case Analysis within the UK NHS," *International Journal of Information Management* (28:6), pp. 536-540.

Hanlon, G., Strangleman, T., Goode, J., Luff, D., O'Cathain, A., and Greatbatch, D. 2005. "Knowledge, Technology and Nursing: The Case of NHS Direct," *Human Relations* (58:2), pp. 147-171.

Hanseth, O., Jacucci, E., Grisot, M., and Aanestad, M. 2006. "Reflexive Standardization: Side Effects And Complexity in Standard Making," *MIS Quarterly* (30), pp. 563-581.

Heart, T., Parmet, Y., Pliskin, N., Zuker, A., and Pliskin, J. S. 2011. "Investigating Physicians' Compliance with Drug Prescription Notifications," *Journal of the Association for Information Systems* (12:3), pp. 235-254.

Hedström, K., Kolkowska, E., Karlsson, F., and Allen, J. P. 2011. "Value Conflicts for Information Security Management," *The Journal of Strategic Information Systems* (20:4), pp. 373-384.

Hillestad, R., Bigelow, J., Bower, A., Girosi, F., Meili, R., Scoville, R., and Taylor, R. 2005. "Can Electronic Medical Record Systems Transform Health Care? Potential Health Benefits, Savings, And Costs," *Health Affairs* (24:5), pp. 1103-1117.

Hoffmann, L. 2009. "Implementing Electronic Medical Records," *Communications of the ACM* (52:11), pp. 18-20.

Horan, T. A., and Schooley, B. L. 2007. "Time-Critical Information Services," *Communications of the ACM* (50:3), pp. 73-78.

Hu, P. J., Chau, P. K., Shen, O., and Tam, K. Y. 1999. "Examining the Technology Acceptance Model Using Physician Acceptance of Telemedicine Technology," *Journal of Management Information Systems* (16:2), pp. 91-112.

Hu, P. J. H., Wei, C. P., and Sheng, O. R. L. 2006. "Evaluating a Decision Support System for Patient Image Pre-Fetching: An Experimental Study," *Decision Support Systems* (42:3), pp. 1730-1746.

Hung, S. Y., Huang, K. L., and Yu, W. J. 2011. "An Empirical study of the Effectiveness of Multimedia Disclosure of Informed Consent: A Technology Mediated Learning Perspective," *Information & Management* (48:4/5), pp. 135-144.

Hung, S.-Y., Hung, W.-H., Tsai, C.-A., and Jiang, S.-C. 2010. "Critical Factors of Hospital Adoption on CRM System: Organizational and Information System Perspectives," *Decision Support Systems* (48:4), pp. 592-603.

Hunter III, S. D. 2010. "Same Technology, Different Outcome? Reinterpreting Barley's Technology as an Occasion for Structuring," *European Journal of Information Systems* (19:6), pp. 689-703.

Hur, W., and Kim, D. 2010. "The Future of Digital Imaging," *Communications of the ACM* (53:1), pp. 131-135.

Hussain, Z. I., and Cornelius, N. 2009. "The Use of Domination and Legitimation in Information Systems Implementation," *Information Systems Journal* (19:2), pp. 197-224.

Hyysalo, S. 2006. "The Role of Learning-by-Using in the Design of Health Care Technologies: A Case Study," *The Information Society* (22:2), pp. 89-99.

Iacovou, C. L. 1999. "The IPACS Project: When IT Hits the Fan," *Journal of Information Technology* (14:3), pp. 267-275.

Igira, F. T. 2008. "The Situatedness of Work Practices and Organizational Culture: Implications for Information Systems Innovation Uptake," *Journal of Information Technology* (23:2), pp. 79-88.

Jayasuriya, R. 1993. "Stages of Growth in End-User Computing: Applications in the Health Sector of Developing Countries in Asia-Pacific," *Journal of Information Technology* (8:3), pp. 151-159.

Jensen, T. B., and Aanestad, M. 2007. "Hospitality and Hostility in Hospitals: A Case Study of an EPR Adoption among Surgeons," *European Journal of Information Systems* (16:6), pp. 672-680.

Jensen, T. B., Kjærgaard, A., and Svejvig, P. 2009. "Using Institutional Theory with Sensemaking Theory: A Case Study of Information System Implementation in Healthcare," *Journal of Information Technology* (24:4), pp. 343-353.

Jha, A. K., DesRoches, C. M., Campbell, E. G., Donelan, K., Rao, S. R., Ferris, T. G., Shields, A., Rosenbaum, S., and Blumenthal, D. 2009. "Use of Electronic Health Records in U.S. Hospitals," *New England Journal of Medicine* (360:16), pp. 1628-1638.

Johnson, G. J., and Ambrose, P. J. 2006. "Neo-tribes: The Power and Potential of Online Communities in Health Care," *Communications of the ACM* (49:1), pp. 107-113.

Josefsson, U. 2005. "Coping with Illness Online: The Case of Patients'Online Communities," *Information Society* (21:2), pp. 133-153.

Junglas, I., Abraham, C., and Ives, B. 2009. "Mobile Technology at the Frontlines of Patient Care: Understanding Fit and Human Drives in Utilization Decisions and Performance," *Decision Support Systems* (46:3), pp. 634-647.

Kaganer, E., Pawlowski, S. D., and Wiley-Patton, S. 2010. "Building Legitimacy for IT Innovations: The Case of Computerized Physician Order Entry Systems," *Journal of the Association for Information Systems* (11:1), pp. 1-33.

Kane, G. C., and Alavi, M. 2007. "Information Technology and Organizational Learning: An Investigation of Exploration and Exploitation Processes," *Organization Science* (18:5), pp. 796-812.

Kane, G. C., and Borgatti, S. P. 2011. "Centrality-IS Proficiency Alignment and Workgroup Performance," *MIS Quarterly* (35:4), pp. 1063-1078.

Kane, G. C., and Labianca, G. 2011. "IS Avoidance in Health-Care Groups: A Multilevel Investigation," *Information Systems Research* (22:3), pp. 504-522.

Kartseva, V., Hulstijn, J., Gordijn, J., and Tan, Y.-H. 2010. "Control Patterns in a Health-Care Network," *European Journal of Information Systems* (19:3), pp. 320-343.

Karuppan, C. M., and Karuppan, M. 2008. "Resilience of Super Users' Mental Models of Enterprise-Wide Systems," *European Journal of Information Systems* (17:1), pp. 29-46.

Kelley, H., Chiasson, M. W., Downey, A., and Pacaud, D. 2011. "The Clinical Impact of eHealth on the Self-Management of Diabetes: A Double Adoption Perspective," *Journal of the Association for Information Systems* (12:3), pp. 208-234.

Khoumbati, K., Themistocleous, M., and Irani, Z. 2006. "Evaluating the Adoption of Enterprise Application Integration in Health-Care Organizations," *Journal of Management Information Systems* (22:4), pp. 69-108.

Klecun, E., and Cornford, T. 2005. "A Critical Approach to Evaluation," *European Journal of Information Systems* (14:3), pp. 229-243.

Klecun-Dabrowska, E., and Cornford, T. 2000. "Telehealth Acquires Meanings: Information and Communication Technologies within Health Policy," *Information Systems Journal* (10:1), pp. 41-63.

Klein, R. 2007. "An Empirical Examination of Patient-Physician Portal Acceptance," *European Journal of Information Systems* (16:6), pp. 751-760.

Kluge, E. H. W. 2004. "Informed Consent and the Security of the Electronic Health Record (EHR): Some Policy Considerations," *International Journal of Medical Informatics* (73:3), pp. 229-234.

Ko, M., and Osei-Bryson, K.-M. 2004. "Using Regression Splines to Assess the Impact of Information Technology Investments on Productivity in the Health Care Industry," *Information Systems Journal* (14:1), pp. 43-63.

Kohli, R., and Devaraj, S. 2004. "Contribution of Institutional DSS to Organizational Performance: Evidence from a Longitudinal Study," *Decision Support Systems* (37:1), pp. 103-118.

Kohli, R., and Kettinger, W. J. 2004. "Informating the Clan: Controlling Physicians' Costs and Outcomes," *Management Information Systems Quarterly* (28:3), pp. 363-394.

Kohn, L. T., Corrigan, J. M., and Donaldson, M. S. 2000. "To Err Is Human: Building a Safer Health System," Report of the Committee on Quality of Health Care in America, Institute of Medicine, Washington, DC: National Academy Press.

Korica, M., and Molloy, E. 2010. "Making Sense of Professional Identities: Stories of Medical Professionals and New Technologies," *Human Relations* (63:12), pp. 1879-1901.

Kroeker, K. L. 2011. "Improving Brain–Computer Interfaces," *Communications of the ACM* (54:10), pp. 11-14.

Kudyba, S., Hamar, G. B., and Gandy, W. M. 2005. "Enhancing Efficiency in the Health Care Industry," *Communications of the ACM* (48:12), pp. 107-110.

Landis, J. R., and Koch, G. G. 1977. "The Measurement of Observer Agreement for Categorical Data," *Biometrics* (33:1), pp. 159-174.

Lapointe, L., and Rivard, S. 2005. "A Multilevel Model of Resistance to Information Technology Implementation," *MIS Quarterly* (29:3), pp. 461-491.

Lapointe, L., and Rivard, S. 2007. "A Triple Take on Information System Implementation," *Organization Science* (18:1), pp. 89-107.

Lederman, R., and Johnston, R. B. 2011. "Decision Support or Support for Situated Choice: Lessons for System Design from Effective Manual Systems," *European Journal of Information Systems* (20:5), pp. 510-528.

Lee, C.-P., and Shim, J. P. 2007. "An Exploratory Study of Radio Frequency Identification (RFID) Adoption in the Healthcare Industry," *European Journal of Information Systems* (16:6), pp. 712-724.

Leidner, D. E., Preston, D., and Chen, D. 2010. "An Examination of the Antecedents and Consequences of Organizational IT Innovation in Hospitals," *The Journal of Strategic Information Systems* (19:3), pp. 154-170.

Leimeister, J. M., Ebner, W., and Krcmar, H. 2005. "Design, Implementation, and Evaluation of Trust-Supporting Components in Virtual Communities for Patients," *Journal of Management Information Systems* (21:4), pp. 101-131.

Leimeister, J. M., Schweizer, K., Leimeister, S., and Krcmar, H. 2008. "Do Virtual Communities Matter for the Social Support of Patients?: Antecedents and Effects of Virtual Relationships in Online Communities," *Information Technology & People* (21:4), pp. 350-374.

LeRouge, C., Hevner, A. R., and Collins, R. W. 2007. "It's More than Just Use: An Exploration of Telemedicine Use Quality," *Decision Support Systems* (43:4), pp. 1287-1304.

LeRouge, C., Mantzana, V., and Wilson, E. V. 2007. "Healthcare Information Systems Research, Revelations and Visions," *European Journal of Information Systems* (16:6), pp. 669-671.

Liang, H., Xue, Y., and Berger, B. A. 2006. "Web-Based Intervention Support System for Health Promotion," *Decision Support Systems* (42:1), pp. 435-449.

Liang, H., Xue, Y., Ke, W., and Wei, K. K. 2010. "Understanding the Influence of Team Climate on IT Use," *Journal of the Association for Information Systems* (11:8), pp. 414-432.

Lin, C., Tan, B., and Chang, S. 2008. "An Exploratory Model of Knowledge Flow Barriers within Healthcare Organizations," *Information & Management* (45:5), pp. 331-339.

Lin, L., Hu, P. J. H., and Sheng, O. R.L. 2006. "A Decision Support System for Lower Back Pain Diagnosis: Uncertainty Management and Clinical Evaluations," *Decision Support Systems* (42:2), pp. 1152-1169.

Lorence, D. P., and Spink, A. 2004. "Healthcare Information Systems Outsourcing," *International Journal of Information Management* (24:2), pp. 131-145.

Lumpkin, J. R., and Richards, M. S. 2002. "Transforming the Public Health Information Infrastructure," *Health Affairs* (21:6), pp. 45-56.

Luo, W., and Najdawi, M. 2004. "Trust-Building Measures: A Review of Consumer Health Portals," *Communications of the ACM* (47:1), pp. 108-113.

Lussier, Y. A., Williams, R., Li, J., Jalan, S., Borlawsky, T., Stern, E., and Kohli, I. 2007. "Partitioning Knowledge Bases between Advanced Notification and Clinical Decision Support Systems," *Decision Support Systems* (43:4), pp. 1274-1286.

Ma, Q., and Liu, L. 2005. "The Role of Internet Self-Efficacy in the Acceptance of Web-Based Electronic Medical Records," *Journal of Organizational and End User Computing* (17:1), pp. 38-57.

Madon, S., Sahay, S., and Sudan, R. 2007. "E-Government Policy and Health Information Systems Implementation in Andhra Pradesh, India: Need for Articulation of Linkages Between the Macro and the Micro," *Information Society* (23:5), pp. 327-344.

Malhotra, N. K., Kim, S. S., and Agarwal, J. 2004. "Internet Users' Information Privacy Concerns(IUIPC): The Construct, the Scale, and a Causal Model," *Information Systems Research* (15:4), pp. 336-355.

Manduchi, R., and Coughlan, J. 2012. "(Computer) Vision Without Sight," *Communications of the ACM* (55:1), pp. 96-104.

Mangiameli, P., West, D., and Rampal, R. 2004. "Model Selection for Medical Diagnosis Decision Support Systems," *Decision Support Systems* (36:3), pp. 247-259.

Mantzana, V., Themistocleous, M., Irani, Z., and Morabito, V. 2007. "Identifying Healthcare Actors Involved in the Adoption of Information Systems," *European Journal of Information Systems* (16:1), pp. 91-102.

Mark, A. L. 2007. "Modernising Healthcare: Is the NPfIT for Purpose?," *Journal of Information Technology* (22:3), pp. 248-256.

Mbarika, V. W. A. 2004. "Is Telemedicine the Panacea for Sub-Saharan Africa's Medical Nightmare?," *Communications of the ACM* (47:7), pp. 21-24.

Mbarika, V. W. A., Okoli, C., Byrd, T. A., and Datta, P. 2005. "The Neglected Continent of IS Research: A Research Agenda for Sub-Saharan Africa," *Journal of the Association for Information Systems* (6:5), pp. 130-170.

McBride, N. 2008. "Using Performance Ethnography to Explore the Human Aspects of Software Quality," *Information Technology & People* (21:1), pp. 91-111.

Meiller, Y., Bureau, S., Zhou, W., and Piramuthu, S. 2011. "Adaptive Knowledge-Based System for Health Care Applications with RFID-Generated Information," *Decision Support Systems* (51:1), pp. 198-207.

Mekonnen, S. M., and Sahay, S. 2008. "An Institutional Analysis on the Dynamics of the Interaction between Standardizing and Scaling Processes: A Case Study from Ethiopia," *European Journal of Information Systems* (17:3), pp. 279-289.

Menon, N. M., Yaylacicegi, U., and Cezar, A. 2009. "Differential Effects of the Two Types of Information Systems: A Hospital-Based Study," *Journal of Management Information Systems* (26:1), pp. 297-316.

Mercuri, R. T. 2004. "The HIPAA-Potamus in Health Care Data Security," *Communications of the ACM* (47:7), pp. 25-28.

Meseguer-Santamaría, M. L., Mondéjar-Jiménez, J., and Vargas-Vargas, M. 2011. "Are Spanish Health Services Appropriate to the Needs of People with Disabilities?," *International Journal of Management & Information Systems* (14:4).

Millington, D., Tulloch, I. M., and Gray, E. M. 1991. "Current Use of Software Tools in the Development of Medical and Health Services Computer Applications: A Survey," *Journal of Information Technology* (6:2), pp. 86-93.

Miscione, G. 2007. "Telemedicine in the Upper Amazon: Interplay with Local Health Care Practices," *MIS Quarterly* (31), pp. 403-425.

Mitchell, V. L. 2006. "Knowlege Integration and Information Technology Project Performance," *MIS Quarterly* (30:4), pp. 919-939.

Moser, I., and Law, J. 2006. "Fluids or Flows? Information and Qualculation in Medical Practice," *Information Technology & People* (19:1), pp. 55-73.

Mukhopadhyay, T., Singh, P., and Kim, S. H. 2011. "Learning Curves of Agents with Diverse Skills in Information Technology-Enabled Physician Referral Systems," *Information Systems Research* (22:3), pp. 586-605.

Nicolini, D. 2011. "Practice as the Site of Knowing: Insights from the Field of Telemedicine," *Organization Science* (22:3), pp. 602-620.

Niazkhani, Z., Pirnejad, H., Berg, M., and Aarts, J. 2009. "The Impact of Computerized Provider Order Entry Systems on Inpatient Clinical Workflow: A Literature Review," *Journal of the American Medical Informatics Association* (16:4), pp. 539-549.

Noir, C., and Walsham, G. 2007. "The Great Legitimizer: ICT as Myth and Ceremony in the Indian Healthcare Sector," *Information Technology & People* (20:4), pp. 313-333.

Oborn, E., Barrett, M., and Davidson, E. J. 2011. "Unity in Diversity: Electronic Patient Record Use in Multidisciplinary Practice," *Information Systems Research* (22:3), pp. 547-564.

Østerlund, C. 2007. "Genre Combinations: A Window into Dynamic Communication Practices," *Journal of Management Information Systems* (23:4), pp. 81-108.

Ozdemir, Z., Barron, J., and Bandyopadhyay, S. 2011. "An Analysis of the Adoption of Digital Health Records Under Switching Costs," *Information Systems Research* (22:3), pp. 491-503.

Oztekin, A., Pajouh, F. M., Delen, D., and Swim, L. K. 2010. "An RFID Network Design Methodology for Asset Tracking in Healthcare," *Decision Support Systems* (49:1), pp. 100-109.

Paul, D. L. 2006. "Collaborative Activities in Virtual Settings: A Knowledge Management Perspective of Telemedicine," *Journal of Management Information Systems* (22:4), pp. 143-176.

Paul, D. L., and McDaniel Jr., R. R. 2004. "A Field Study of the Effect of Interpersonal Trust on Virtual Collaborative Relationship Performance," *MIS Quarterly* (28:2), pp. 183-227.

Payton, F. C., and Kiwanuka-Tondo, J. 2009. "Contemplating Public Policy in HIV/AIDS Online Content, then Where Is the Technology Spirit?," *European Journal of Information Systems* (18:3), pp. 192-204.

Pratt, W., Unruh, K., Civan, A., and Skeels, M. M. 2006. "Personal Health Information Management," *Communications of the ACM* (49:1), pp. 51-55.

Puri, S. K., Sahay, S., and Lewis, J. 2009. "Building Participatory HIS Networks: A Case Study from Kerala, India," *Information and Organization* (19:2), pp. 63-83.

Ramiller, N. C., and Pentland, B. T. 2009. "Management Implications in Information Systems Research: The Untold Story," *Journal of the Association for Information Systems* (10:6), pp. 474-494.

Randell, B. 2007. "A Computer Scientist's Reactions to NPfIT," *Journal of Information Technology* (22:3), pp. 222-234.

Reardon, J. L., and Davidson, E. J. 2007. "An Organizational Learning Perspective on the Assimilation of Electronic Medical Records Among Small Physician Practices," *European Journal of Information Systems* (16:6), pp. 681-694.

Ren, Y., Kiesler, S., and Fussell, S. R. 2008. "Multiple Group Coordination in Complex and Dynamic Task Environments: Interruptions, Coping Mechanisms, and Technology Recommendations," *Journal of Management Information Systems* (25:1), pp. 105-130.

Ridings, C., and Wasko, M. 2010. "Online Discussion Group Sustainability: Investigating the Interplay between Structural Dynamics and Social Dynamics Over Time," *Journal of the Association for Information Systems* (11:2), pp. 95-120.

Riley, L., and Smith, G. 1997. "Developing and Implementing IS: A Case Study Analysis in Social Services," *Journal of Information Technology* (12:4), pp. 305-321.

Rindfleisch, T. C. 1997. "Privacy, Information Technology, and Health Care," *Communications of the ACM* (40:8), pp. 92-100.

Rivard, S., Lapointe, L., and Kappos, A. 2011. "An Organizational Culture-Based Theory of Clinical Information Systems Implementation in Hospitals," *Journal of the Association for Information Systems* (12:2), pp. 1-40.

Rodger, J. A., and Pendharkar, P. C. 2007. "A Field Study of Database Communication Issues Peculiar to Users of a Voice Activated Medical Tracking Application," *Decision Support Systems* (43:1), pp. 168-180.

Rodríguez, A., Fernández-Medina, E., Trujillo, J., and Piattini, M. 2011. "Secure Business Process Model Specification through a UML 2.0 Activity Diagram Profile," *Decision Support Systems* (51:3), pp. 446-465.

Romanow, D., Mathiassen, L., Landers, G., and Parker, C. 2011. "Development of IT-Enabled Chronic Care Management for the Medically Underserved: A Contextualist Framework," *Journal of Information Technology Theory and Application* (12:4), pp. 27-49.

Sahay, S., Aanestad, M., and Monteiro, E. 2009. "Configurable Politics and Asymmetric Integration: Health e-Infrastructures in India," *Journal of the Association for Information Systems* (10:5), pp. 399-414.

Sauer, C., and Willcocks, L. 2007. "Unreasonable Expectations: NHS IT, Greek Choruses and the Games Institutions Play around Mega-Programmes," *Journal of Information Technology* (22:3), pp. 195-201.

Sauter, V. L. 2005. "Competitive Intelligence Systems: Qualitative DSS for Strategic Decision Making," *ACM SIGMIS Database* (36:2), pp. 43-57.

Savage, N. 2011. "Remaking American Medicine," *Communications of the ACM* (54:9), pp. 19-21.

Savage, N. 2012. "Better Medicine through Machine Learning," *Communications of the ACM* (55:1), pp. 17-19.

Setia, P., Setia, M., Krishnan, R., and Sambamurthy, V. 2011. "The Effects of the Assimilation and Use of IT Applications on Financial Performance in Healthcare Organizations," *Journal of the Association for Information Systems* (12:3), pp. 274-298.

Shaw, M. C., and Stahl, B. C. 2011. "On Quality and Communication: The Relevance of Critical Theory to Health Informatics," *Journal of the Association for Information Systems* (12:3), pp. 255-273.

Siau, K. 2006. "e-Healthcare in ABC County Health Department (ABCCHD)1: Trade-offs Analysis and Evaluation," *Journal of Information Technology* (21:1), pp. 66-71.

Silva, L., and Hirschheim, R. 2007. "Fighting Against Windmills: Strategic Information Systems and Organizational Deep Structures," *MIS Quarterly* (31:2), pp. 327-354.

Singh, R., Mathiassen, L., Stachura, M. E., and Astapova, E. V. 2011. "Dynamic Capabilities in Home Health: IT-Enabled Transformation of Post-Acute Care," *Journal of the Association for Information Systems* (12:2), pp. 163-188.

Sneha, S., and Varshney, U. 2009. "Enabling Ubiquitous Patient Monitoring: Model, Decision Protocols, Opportunities and Challenges," *Decision Support Systems* (46:3), pp. 606-619.

Song, J., and Zahedi, F. M. 2007. "Trust in Health Infomediaries," *Decision Support Systems* (43:2), pp. 390-407.

Spinardi, G., Graham, I., and Williams, R. 1997. "EDI in the Scottish Health Service: Inter-Organisational Systems and Inter-Organisational Change," *The Journal of Strategic Information Systems* (6:3), pp. 251-263.

Stahl, B. C., Doherty, N. F., and Shaw, M. 2012. "Information Security Policies in the UK Healthcare Sector: A Critical Evaluation," *Information Systems Journal* (22:1), pp. 77-94.

Strong, D. M., Lee, Y. W., and Wang, R. Y. 1997. "Data Quality in Context," *Communications of the ACM* (40:5), pp. 103-110.

Straub, D. W. 2010. "MISQ, Inc. or an Online Collective? Is There a Journal Personality and What it Means for Authors," *MIS Quarterly* (34:3), pp. iii-viii.

Tagliaventi, M. R., and Mattarelli, E. 2006. "The Role of Networks of Practice, Value Sharing, and Operational Proximity in Knowledge Flows Between Professional Groups," *Human Relations* (59:3), pp. 291-319.

Tan, J., Wen, H. J., and Awad, N. 2005. "Health Care and Services Delivery Systems as Complex Adaptive Systems," *Communications of the ACM* (48:5), pp. 36-44.

Tarafdar, M., and Gordon, S. R. 2007. "Understanding the Influence of Information Systems Competencies on Process Innovation: A Resource-Based View," *The Journal of Strategic Information Systems* (16:4), pp. 353-392.

Tarakci, H., Ozdemir, Z., and Sharafali, M. 2009. "On the Staffing Policy and Technology Investment in a Specialty Hospital Offering Telemedicine," *Decision Support Systems* (46:2), pp. 468-480.

Thompson, S. M., and Dean, M. D. 2009. "Advancing Information Technology in Health Care," *Communications of the ACM* (52:6), pp. 118-121.

Tremblay, M. C., Fuller, R., Berndt, D., and Studnicki, J. 2007. "Doing More with More Information: Changing Healthcare Planning with OLAP Tools," *Decision Support Systems* (43:4), pp. 1305-1320.

Tremblay, M. C., Hevner, A. R., and Berndt, D. J. 2012. "Design of an Information Volatility Measure for Health Care Decision Making," *Decision Support Systems* (52:2), pp. 331-341.

Tu, Y. J., Zhou, W., and Piramuthu, S. 2009. "Identifying RFID-Embedded Objects in Pervasive Healthcare Applications," *Decision Support Systems* (46:2), pp. 586-593.

Ure, J., Hartswood, M., Wardlaw, J., Procter, R., Anderson, S., Gonzalez-Velez, H., Yu-wei, L., Lloyd, S., and Ho, K. 2009. "The Development of Data Infrastructures for eHealth: A Socio-Technical Perspective," *Journal of the Association for Information Systems* (10:5), pp. 415-429.

Vaast, E. 2007. "Danger is in the Eye of the Beholders: Social Representations of Information Systems Security in Healthcare," *The Journal of Strategic Information Systems* (16:2), pp. 130-152.

Van Akkeren, J., and Rowlands, B. 2007. "An Epidemic of Pain in an Australian Radiology Practice," *European Journal of Information Systems* (16:6), pp. 695-711.

van Baalen, P. J., and van Fenema, P. C. 2009. "Instantiating Global Crisis Networks: The Case of SARS," *Decision Support Systems* (47:4), pp. 277-286.

van Offenbeek, M., Sorge, A., and Knip, M. 2009. "Enacting Fit in Work Organization and Occupational Structure Design: The Case of Intermediary Occupations in a Dutch Hospital," *Organization Studies* (30:10), pp. 1083-1114.

Varshney, U. 2008. "A Framework for Supporting Emergency Messages in Wireless Patient Monitoring," *Decision Support Systems* (45:4), pp. 981-996.

Venkatesh, V., Zhang, X., and Sykes, T. A. 2011. "'Doctors Do Too Little Technology': A Longitudinal Field Study of an Electronic Healthcare System Implementation," *Information Systems Research* (22:3), pp. 523-546.

Venkatraman, S., Bala, H., Venkatesh, V., and Bates, J. 2008. "Six Strategies for Electronic Medical Records Systems," *Communications of the ACM* (51:11), pp. 140-144.

Vozikis, A. 2009. "Information Management of Medical Errors in Greece: The MERIS Proposal," *International Journal of Information Management* (29:1), pp. 15-26.

Wainwright, D. W., and Waring, T. S. 2007. "The Application and Adaptation of a Diffusion of Innovation Framework for Information Systems Research in NHS General Medical Practice," *Journal of Information Technology* (22:1), pp. 44-44.

Walter, Z., and Lopez, M. S. 2008. "Physician Acceptance of Information Technologies: Role of Perceived Threat to Professional Autonomy," *Decision Support Systems* (46:1), pp. 206-215.

Warkentin, M., Johnston, A. C., and Shropshire, J. 2011. "The Influence of the Informal Social Learning Environment on Information Privacy Policy Compliance Efficacy and Intention," *European Journal of Information Systems* (20:3), pp. 267-284.

Wessels, B., Walsh, S., and Adam, E. 2008. "Mediating Voices: Community Participation in the Design of E-Enabled Community Care Services," *Information Society* (24:1), pp. 30-39.

Westrup, C. 1993. "Information Systems Methodologies in Use," *Journal of Information Technology* (8:4), pp. 267-276.

Whitten, P., Mylod, D., Gavran, G., and Sypher, H. 2008. "Most Wired Hospitals Rate Patient Satisfaction," *Communications of the ACM* (51:4), pp. 96-102.

Willcocks, L. P., and Mark, A. L. 1989. "IT Systems Implementation: Research Findings from the Public Sector," *Journal of Information Technology* (4:2), pp. 92-103.

Williams, F., and Boren, S. A. 2008. "The Role of Electronic Medical Record in Care Delivery in Developing Countries," *International Journal of Information Management* (28:6), pp. 503-507.

Wilson, E. V., and Tulu, B. 2010. "The Rise of a Health-IT Academic Focus," *Communications of the ACM* (53:5), pp. 147-150.

Winthereik, B. R., Johannsen, N., and Strand, D. L. 2008. "Making Technology Public: Challenging the Notion of Script through an E-Health Demonstration Video," *Information Technology & People* (21:2), pp. 116-132.

Wiredu, G. O., and Sørensen, C. 2006. "The Dynamics of Control and Mobile Computing in Distributed Activities," *European Journal of Information Systems* (15:3), pp. 307-319.

Wright, A., Sittig, D. F., Ash, J. S., Sharma, S., Pang, J. E., and Middleton, B. 2009. "Clinical Decision Support Capabilities of Commercially-Available Clinical Information Systems," *Journal of the American Medical Informatics Association* (16:5), pp. 637-644.

Wu, I.-L., Li, J.-Y., and Fu, C.-Y. 2011. "The Adoption of Mobile Healthcare by Hospital's Professionals: An Integrative Perspective," *Decision Support Systems* (51:3), pp. 587-596.

Xue, Y., Liang, H., and Boulton, W. R. 2008. "Information Technology Governance in Information Technology Investment Decision Processes: The Impact of Investment Characteristics, External Environment, and Internal Context," *MIS Quarterly* (32:1), pp. 67-96.

Yeh, J.-Y., Wu, T.-H., and Tsao, C.-W. 2011. "Using Data Mining Techniques to Predict Hospitalization of Hemodialysis Patients," *Decision Support Systems* (50:2), pp. 439-448.

Yi, M. Y., Jackson, J. D., Park, J. S., and Probst, J. C. 2006. "Understanding Information Technology Acceptance by Individual Professionals: Toward an Integrative View," *Information & Management* (43:3), pp. 350-363.

Zhang, Y., Dang, Y., Chen, H., Thurmond, M., and Larson, C. 2009. "Automatic Online News Monitoring and Classification for Syndromic Surveillance," *Decision Support Systems* (47:4), pp. 508-517.

Zhou, W., and Piramuthu, S. 2010. "Framework, Strategy and Evaluation of Health Care Processes with RFID," *Decision Support Systems* (50:1), pp. 222-233.

Zhuge, H. 2005. "Exploring an Epidemic in an E-Science Environment," *Communications of the ACM* (48:9), pp. 109-114.