

Table 1. Study Characteristics

Study	Country	Study Method	Type of HIT	Participants	Sample Size	Theoretical Framework
Asua et al. (2012)	Spain	Study embedded within a Home Tele-monitoring Clinical Trial	Tele-monitoring System	Registered Nurses and Physicians working in a primary care setting	268	TAM and Chau and Hu's model of tele-medicine
Bennani & Oumlil (2014)	Morocco	Quantitative (Specific research design not specified)	General HIT	Registered Nurses working in an acute care setting	200	Modified UTAUT
Chung, Ho & Wen (2016)	Taiwan	Cross-sectional	Patient Personal Health Records (PHRs)	Registered Nurses working in acute care sector	365	TAM and TPB
Gagnon et al. (2011)	Spain	Study embedded within a random-ized controlled open trial	Tele-monitoring system	Registered Nurses and Physicians working in a home care setting	n=72 RNs n=21 MDs	Adapted TAM
Hung et al. (2014)	Taiwan	Quantitative (Specific research design not specified)	Primary health information system (PHIS)	Registered Nurses working in an acute care setting	768	Theory of Reasoned Action
Ifinedo (2016)	Canada	Cross-sectional research design	Information Systems	Random sampling of Registered Nurses working in acute and home care settings	197	TAM
Ketikidis et al. (2012)	Macedonia	Cross- sectional research design	HIT	Two-stage cluster sampling of registered nurses and physicians working in a primary care setting	133	TAM

Kim et al. (2016)	South Korea	Quantitative (Specific research design not specified)	EMR	Registered Nurses and Physicians working in an acute care setting	68% RNs; and 23% MDs Total: 942	UTAUT
Kowittawakul (2011)	United States	Quantitative (Specific research design not specified)	Remote ICU/ electronic intensive care unit technology	Registered Nurses working in an acute care setting	117	TAM
Kummer et al. (2013)	Australia	Scenario-based research design	Sensor-based Medication systems	Random selection of Registered Nurses working in an acute care setting	579	TAM 2
Lau (2011)	China	Quantitative (Specific research design not specified)	Web Tools (i.e., Wiki, Blogs, Podcast)	Registered nurses working in an acute care setting	388	Decomposed Theory of Planned Behaviour (DTPB)
Leblanc et al., (2012)	Canada	Exploratory Design	EHR	Registered Nurses working in an acute care setting	199	Theory of Planned Behaviour
Lee et al. (2013).	Taiwan	Quantitative (Specific research design not specified)	Information Technology	Registered Nurses working in an acute care setting	215	Adapted UTAUT
Lin et al. (2016).	Taiwan	Quantitative specific research design not identified	Nursing Information System	Registered Nurses working in an acute care setting	245	TAM III and Behaviour Theory

Phichitchaisopa & Naenna (2013)	Thailand	Quantitative (Specific research design not specified)	Health technology	Registered nurses, physicians and hospital staff members in an acute care setting	400	UTAUT
Sharifian et al. (2014)	Iran	Descriptive analytical research design	Health information systems (HIS)	Random sampling of Registered nurses working in an acute care setting	303	UTAUT
Shoham & Gonen (2008)	Israel	Quantitative (Specific research design not specified)	Computer	Random sampling of registered nurses working in an acute care setting	408	TPB
Song, Park & Oh (2015)	United States	Quantitative (cross-sectional)	Bar Code Medication Administration	Registered Nurses working in acute care sector	163 nurses	TAM
Strudwick (2015)	No specific country	Integrative Review	Not Applicable	Registered Nurse	20 papers	Proposed a Modified TAM framework
Wills et al. (2008)	United States	Quantitative (Specific research design not specified)	EMR	Registered Nurses, Physician Assistants and Nurse Practitioners working in an acute care setting	52	UTAUT
Wu et al. (2011)	Taiwan	Survey-type design	Mobile health care	Registered nurses and physicians working in an acute care setting	140	TAM and TPB frameworks
Zhang et al. (2010)	Canada	Cross-sectional design	PDA's	Random sampling of registered nurses working in home care	84	TAM 2

Factors influencing Registered Nurses' intention to use Health Information Technology in clinical practice: An integrative literature review

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