

Title	Authors	Year	Methodology	Type of ICT	Usage setting	Condition	# participants	Min age	Max age	Mean age	SD age	Focus	Theoretical framework	Research strategy	Data generation methods	Geographic area	Notes	
Acceptance of Swedish e-health services	Jung et al.	2011	Qualitative	Telehealth	Not specified	Not specified	6	65	N/S	N/S	N/S	Technology adoption	Technology Acceptance Model	Not specified	Interview (Semi-structured)	Norrbotten, Sweden		
Advocacy of home telehealth care among consumers with chronic conditions	Lu et al.	2014	Qualitative	Telehealth	In user's home	Diabetes Hypertension	20	50	86	67	N/S	Technology acceptance in general	Not specified	Not specified	Interview (Semi-structured)	Focus group	Taipei, Taiwan	
An ethnographical study of the accessibility barriers in the everyday interactions of older people with the web	Sayago et al.	2011	Qualitative	Internet	Not specified	Not specified	388	65	80	72	2,4	Barriers	Not specified	Ethnography	Observations	Interview (Semi-structured)	Barcelona, Spain	
An extended view on benefits and barriers of ambient assisted living solutions	Jaschinski et al.	2015	Qualitative	AAL	In user's home	Not specified	28	55	86	71,36	9,45	Barriers	Technology acceptance in general	Not specified	Design and creation	Focus group	Interview (Semi-structured)	Belgium + France + UK
Assessing older adults' perceptions of sensor data and designing visual displays for ambient environments	Reeder et al.	2014	Qualitative	In-home monitoring system	In user's home	Not specified	8	79	86	N/S	N/S	Usefulness of technology	Not specified	Design and creation	Interview (Semi-structured)	Co-design workshop	Seattle, WA, USA	
Attitudes Toward Information and Communication Technology (ICT) in Residential Aged Care in Western Australia	Loh et al.	2009	Qualitative	Video conferencing software	Residential care unit	Not specified	17	N/S	N/S	N/S	N/S	Technology acceptance in general	Not specified	Not specified	Questionnaire	Focus group	Western Australia	
Bridging the digital divide in older adults: A study from an initiative to inform older adults about new technologies	Wu et al.	2015	Qualitative	ICT in general	Not specified	Not specified	23	63	88	77,1	N/S	Access to health information	Not specified	Not specified	Focus group	Focus group	Paris, France	
Defining the user requirements for wearable and optical fall prediction and fall detection devices for home use	Govercin et al.	2010	Qualitative	Fall sensors	Not specified	Risk of falling	5	60	76	68	N/S	Ergonomy User needs	Not specified	Design and creation	Focus group		Berlin, Germany	
Diabetes management assisted by telemedicine: Patient perspectives	Trief et al.	2008	Qualitative	Telemedicine	Not specified	Diabetes	40	N/S	N/S	67,93	6,05	Barriers	Not specified	Not specified	Interview (Structured)		New York, USA	
Elderly persons' perception and acceptance of using wireless sensor networks to assist healthcare	Steele et al.	2009	Qualitative	WSN	In user's home	Not specified	13	65	N/S	N/S	N/S	Technology adoption	UTAUT	Not specified	Focus group		Sydney, Australia	
Exploring an informed decision-making framework using in-home sensors: Older adults' perceptions	Chung et al.	2014	Qualitative	In-home monitoring system	In user's home	Not specified	N/S	79	86	N/S	N/S	User perceptions	Informed Decision Making	Not specified	Interview (Semi-structured)		Seattle, WA, USA	
Exploring barriers to participation and adoption of telehealth and telecare within the Whole System Demonstrator trial: A qualitative study	Sanders et al.	2012	Qualitative	Telecare	Not specified	Diabetes Respiratory disease Heart disease Social care needs	22	23	92	71	16,4	Barriers	Technology adoption	Not specified	Not specified	Interview (Semi-structured)	Observations	Cornwall + Kent + Newham, UK
Findings from a participatory evaluation of a smart home application for older adults	Demiris et al.	2008	Qualitative	Smart home	In user's home	Not specified	300	19	85	50,6	15,4	Aging in place	Functionality	Own theoretical framework	Not specified	Interview (Semi-structured)	Observations	Columbia, MO, USA
Impact of monitoring technology in assisted living: Outcome pilot	Alwan et al.	2006	Qualitative	In-home monitoring system	In user's home	Not specified	22	49	93	83,78	N/S	Technology acceptance in general	Not specified	Survey	Questionnaire	Technology logs	St. Paul, MN, USA	
Implementing technology based embedded assessment in the home and community life of individuals aging with disabilities: A participatory research and development study	Chen et al.	2014	Qualitative	Location tracking	In user's home	Spinal cord injuries Muscular dystrophy Multiple sclerosis Late effects of polio	5	46	80	65	12,9	Technology adoption	Functionality	Not specified	Design and creation	Interview	Diaries	USA
Indoor and outdoor social alarms: understanding users' perspectives	Sjolinder et al.	2014	Qualitative	Medical alarm	In user's home	Not specified	15	N/S	N/S	N/S	N/S	User needs	Not specified	Not specified	Interview (Semi-structured)	Focus group	Botkyrka + Värmdö + Örnsköldsvik+ Pajala, Sweden	
Keeping silver surfers on the crest of a wave - Older people's ICT learning and support needs	Damodaran et al.	2013	Qualitative	ICT in general	Not specified	Not specified	>1000	50	N/S	N/S	N/S	User needs	Not specified	Not specified	Co-design workshop	Questionnaire	UK	
Making sense of mobile- and web-based wellness information technology: cross-generational study	Kutz et al.	2013	Qualitative	Telehealth	Not specified	Not specified	7	N/S	N/S	N/S	N/S	User perceptions	Not specified	Not specified	Interview (Semi-structured)		Indiana, US	
Meeting seniors' information needs: Using computer technology	Campbell	2008	Qualitative	PC use in general	Not specified	Not specified	N/S	N/S	N/S	73	N/S	Access to health information	Not specified	Not specified	Observations		Pittsburgh, PA, USA	
Older adults are mobile tool identifying the barriers and facilitators to older adults' use of mHealth for pain management	Parker et al.	2013	Qualitative	Mobile health	Not specified	Pain problems	41	60	N/S	76,2	9,3	Barriers	Technology adoption	Not specified	Not specified	Focus group		New York City, NY, USA
Older adults' acceptance of a community-based telehealth wellness system	Demiris et al.	2013	Qualitative	Telehealth	In user's home	Not specified	12	N/S	N/S	79,3	N/S	Usability	Privacy	Not specified	Not specified	Focus group		Seattle, WA, USA
Older adults' attitudes towards and perceptions of "smart home" technologies: a pilot study	Demiris et al.	2004	Qualitative	Smart home	In user's home	Not specified	15	65	N/S	N/S	N/S	Usefulness of technology	User perceptions	Aging in Place	Not specified	Focus group		Columbia, MO, USA
Older adults' perceptions of usefulness of personal health records	Price et al.	2013	Qualitative	PHR system	Not specified	Not specified	12	65	84	74	6,07	Usefulness of technology	Not specified	Experiment	Interview (Semi-structured)	Diaries	Clermont, SC, USA	
Older adults' privacy considerations for vision based recognition methods of eldercare applications	Demiris et al.	2009	Qualitative	Video surveillance	In user's home	Not specified	10	65	N/S	N/S	N/S	Privacy	Not specified	Not specified	Observations	Interview (Semi-structured)		Columbia, MO, USA
Passive sensor technology interface to assess elder activity in independent living	Alexander et al.	2011	Qualitative	User interface	In user's home	Chronic illness	5	70	N/S	N/S	N/S	Usability	Nurse-Patient Trajectory Framework	Not specified	Observations	Technology logs	Interview	Columbia, MO, USA
Privacy and senior willingness to adopt smart home information technology in residential care facilities	Courtney	2008	Qualitative	Smart home	Residential care unit	Not specified	11	65	N/S	N/S	N/S	Privacy	Technology adoption	Not specified	Survey	Focus group	Interview (Semi-structured)	Midwestern United States
Senior residents' perceived need of and preferences for "smart home" sensor technologies	Demiris et al.	2008	Qualitative	Smart home	In user's home	Not specified	14	65	N/S	N/S	N/S	User perceptions	Aging in Place	Not specified	Focus group		Columbia, MO, USA	
Use of information and communication technology to provide health information: What do older migrants know, and what do they need to kn	Goodall et al.	2010	Qualitative	ICT in general	Not specified	Not specified	43	55	N/S	N/S	N/S	Access to health information	Not specified	Survey	Focus group		South Australia	
What matters to older people with assisted living needs? A phenomenological analysis of the use and non-use of telehealth and telecare	Greenhalgh et al.	2013	Qualitative	Telehealth	In user's home	Not specified	40	60	98	81	N/S	Technology adoption	Merleau-Ponty's phenomenological lens	Ethnography	Interview (Semi-structured)	Observations	Diaries	London + Manchester, UK
Willing but Unwilling: Attitudinal barriers to adoption of home-based health information technology among older adults	Young et al.	2014	Qualitative	ICT in general	In user's home	Not specified	35	46	72	N/S	N/S	Barriers	Technology adoption	Not specified	Not specified	Interview (Semi-structured)		USA
You get reminded you're a sick person: Personal data tracking and patients with multiple chronic conditions	Ancker et al.	2015	Qualitative	Health tracking	Not specified	Chronic illness	22	37	89	64,1	N/S	User perceptions	Not specified	Not specified	Interview (Semi-structured)		New York City, NY, USA	