

| 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) | Norrbottn, 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) Focus group | 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 | We only look at the second study described in this paper (with focus groups and interviews). | |
| 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 | The part of the study where they have collected data from elderly is in a focus group, so this is not a mixed method paper for us even if they say it is mixed met | |
| 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 | 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 | Ergonomics User needs | Not specified | Design and creation | Focus group | Berlin, Germany | Only one of the focus groups (group 2) seems to be in a community dwelling situation. | |
| 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 | 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 + Örnäsökölvik+ 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 | Not specified | Not specified | Focus group | New York City, NY, USA | | |
| Older adults' acceptance of a community-based "smart home" 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 | Technology Acceptance Model | Experiment | Interview (Semi-structured) Diaries | Columbus, 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 | The Bellotti and Sellen framework | 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 know | 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 | 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 | Own theoretical framework | Not specified | Interview (Semi-structured) | New York City, NY, USA | | |