Title	Authors	General attitudes toward IoT	Independence / dying in place	Perceived usefulness	Safety and security	Socialization	Health management	Support / help	Information searching	Engagement with/by IoT	Ease of use and HCI	Privacy	Effectiveness / Outcomes	Comprehension and awareness	Training	Memory and cognition issues	Physical distress and ergonomics	Fear / anxiety / discomfort / ethics	Technology/self-efficacy	Digital divide / generational differences	Cost	Lack of human interaction	Stigmatization and pity	Reliability / trust	Resilience to adopt technology	Voice barriers	Ambient monitoring	Wearable sensors	Embedded sensors	General findings about sensor technologies
SUMMARY																													
Acceptance of Sandwich e-health services	M. L. Jung and S. Loh	Many of the participants were aware of the e-health concept and had a positive attitude towards it. Many felt that it was a necessary, and encouraging, solid movement in the right direction.																											
Adherence of home telehealth use among consumers with chronic conditions	L. F. Li, M. J. Chi and C. H. Tsai	The majority of participants pointed out the convenience of telehealth.		Users were perceived telehealth care was a convenient and useful model for healthcare delivery.	Whenever the participants felt any discomfort, they could immediately use the sensors. Several patients said that telecare gives mobile health data collected by the sensor promptly to the healthcare professionals, which is more convenient than going to the hospital. Some participants also thought that the sensors could detect the patients' symptoms rapidly and give them instant clinical care.																					
An ethnographical study of the acceptance of telecare by older adults with varying intensities of older people and his work			Participants reported a feeling of accomplishment when they were able to carry out an activity on their own. All the participants agreed to go online without relying on anyone.			A key and common motivation for all the participants to use the telecare system was to stay in touch with their family members and friends. They preferred to go online to gain, and share, information with their family members and friends. Participants' families were still active and important when they were considering whether to adopt telecare and how to use it.																				
An extended view on benefits and barriers of ambient-assisted living solutions	S. Yusupov and L. Bild		Independence is very important to the participants.		Older adults felt that unattended sensors could provide added safety and security by detecting abnormal behavior such as falls or when caregivers or assistance are not close by.					Caretakers with "hands-on" experience of AAL technologies help a much appreciated	Participants were skeptical about the usefulness of AAL technologies. Even they did not grow up with computers, they were not afraid of using them. Nevertheless, they preferred simple solutions.	The biggest concern among the interviewees was that AAL technologies would replace human caregivers. Participants were also concerned about the reliability of AAL technologies.															
Assessing older adults' perceptions of sensor data and designing visual displays for ambient environments	E. Mendez, J. Chang, J. Lee, N. Thompson and D. Dennis			Focused on usefulness, of whom about. The following were mentioned: - Participants' desire to understand personal activity patterns; - Doing analysis; - Sharing detailed, customized information about a senior daily routine; - Use of - Understanding/ recording for legacy; - Sharing information with family; and - Increasing the functionality of data to others.																						
Attitudes Toward Information and Communication Technology in Taiwanese Aged Care Residents Questionnaire		Residents felt the advantage of being able to stay at the MLET and get access to medical care in their home.																											
Bridging the digital divide in older adults: A study from an initiative to inform older adults about new technologies	P. R. Lee, J. Fisher and B. Hoover	In general, participants were fascinated by the technology and were excited to learn about it. Participants were also generally receptive to the idea that technology could make people's lives easier.			Some participants reported that they need ICT products to be rescued in use of an emergency.		Most of the participants mentioned the fact that they need technology to help them with their memory problems. Some participants also mentioned that technology could help them with their health problems. Most of the participants wanted to learn more about ICT in order to maintain an active engagement in the social area.			Users considered it a great benefit that they could get access to a great variety of information and services.																
Defining the user requirements for telehealth services for chronic liver and kidney disease patients: Scoping review	M. Zaremba, V. Defazio, A. Wilson, M. Silva, J. Ryan, A. Kirkham and S. Pollock	Most participants did not explain such a system in detail, but they were generally positive and had believed that telehealth could improve the effectiveness of the current model.									Privacy issues were important to the participants. 3 out of 7 did not want optional consent in their home. Participants specifically required the disclosure of the purpose of collection or use for all the assessments.																
Diabetes management assisted by telemedicine: Patient perspective	C. Sandberg, T. Lundberg, J. Lindberg, S. Trell, S. Tilseth, B. Hallberg and L. Stenevi-Lundgren			Participants appreciated the program's focus on monitoring and recording readings, and told them such data is effective with nurses.					Their own motivation was to address and cope better with their diabetes condition (of participants were diabetics).																	
Elderly persons' perception and acceptance of using wireless sensor networks to assist healthcare	O. Demiris, B. L. Rantz, M. J. Aud, K. D. Marek, H. W. Tyrer, M. Skubic and A. A. Hussam		Social contact is a concerning and a negative effect, as well as a motivation for using technology. Technology can be used to maintain social contact, but it can also be used to reduce social contact. Participants were concerned that using technology (e.g., computer or cooking) instead of interacting with people would have a negative effect on their social life.	The participants stated that the ability to detect falls and monitor basic bodily functions/vitals was the most important potential benefit of sensor technology.			Responses from the participants indicate that they were willing to have technology in their homes to help them with their health, but they were concerned that the technology would replace human contact. Participants were also concerned that the technology would make it more difficult to receive help from others, especially during times when they were in need.																	
Exploring an informed decision-making framework using in-home sensors: Older adults' perspectives	C. Zhang, A. Steinfeld, J. Lee, Y. Jo, J. Forlizzi and T. Hwang	Participants were interested in potential benefits and the purpose of sensor technology.		Perceived usefulness of in-home sensors influences how older adults perceive the benefits and risks of in-home sensors. Older adults' perceived usefulness of the product of making an informed decision.							Participants appreciated technology that could be relevant to individual health states.																
Factors influencing acceptance and resistance of telehealth and telecare within a long-term care facility: Survey of managers in 83 facilities	R. Rowan, T. Bowes, J. Huckvale, A. Maeder, P. Hoffmann, R. Khanna, L. Gallego-Luxan, A. Booth, J. Weir and L. Tan	Most respondents indicated that they expressed the use of telehealth and telecare with a high degree of importance and 61 beds. In the majority of cases, respondents indicated that they expressed the use of telehealth and telecare with a high degree of importance, and that it was necessary to bring about significant improvements in the quality of care delivered to residents. Respondents also indicated that they were threatened by the interventions. Responses commonly indicated a strong sense of ownership and responsibility for the residents in their care and a commitment to providing the best care as a result of 'clinical' and 'social' approaches to managing health conditions.																							
Findings from a participatory evaluation of a smart home application for older adults	D. Demiris, D. P. Thompson, M. J. Taylor, G. Shaw and H. Bott	Random-sequenced overall positive perceptions of the sensor technologies							Residents reported that the technology was easy to use.																	
Impact of monitoring technology in assisted living: Outcome jobs	M. Ahern, S. Dahl, D. Hawkins and D. Nygard	This study indicated that activity monitoring technology can assist with assisted living.																											
Implementing technology based embedded assessment in the home and community environments for older people with disabilities: Experiences in working with Parkinson's disease study	A. Lindeman and S. Wilson	In general, participants thought the system was a good idea and would be of good benefit to others.									In general, participants thought that the system did not require much effort.																
Internet and outdoor social stories: Promoting community support participation	M. Schlosser and G. Wendt																												
Keeping older adults active at work	S. Czaja and C. J. Sharit	Findings show that older people value very highly the benefits and independence that computer use gives them.			Older adults value the role of ICTs in keeping them in touch with family and friends.																							
Making sense of mobility - exit-based methods and their application to cross-generational study	S. Kim, E. Sherbert and E. Connelly																												
Meeting seniors' information needs: Using computer technology			Some participants appreciated the amount of health information available on the Internet, and they appreciated the ease with which they could access this information. Some of their own health. For these participants, the Internet provided them with a sense of control over their health and well-being. Participants also felt that physicians who consulted their behavior and provided them with the information sometimes increase their overall health and of interest.							Many participants made use of the Internet to find information about their health. Finding information that they could not find from their physicians or family.		Two of the seniors did not use computers because they did not see the benefit of computers to enhance their lives. Some participants felt that computers were too complex, and that using a computer would get in the way of their interactions with people.															
Older adults' acceptance of a community based telehealth wellness system	D. Demiris, H. Hensel, M. Skubic and M. Rantz		Participants were also in to health-related decision-making ultimately encouraging a telehealth check as a tool that can enhance their independence and control over their lives.	The telehealth wellness tools that are perceived as useful by the majority of the subjects in the focus groups. Participants also identified a number of other benefits that they felt were associated with the telehealth system, including the ability to share their health information with their physicians digitally.																						
Older adults' attitudes towards and perceptions of "smart home" technologies: a pilot study	A. Demiris, M. Skubic, M. Rantz, J. Keller, M. Aud, H. Hensel, B. Harris, N. Sparrow and M. Homier	Participants had a positive attitude toward smart home technologies in general. Findings suggest that participants would be open to the use of smart home technologies in their homes. Participants perceived the technologies to be useful and potentially beneficial for maintaining their daily routines or for preventive health problems.		The sensors (bed sensor, smart sensor, sensor mat, motion sensor, gait monitor, and other sensors) were of generally perceived as useful. Participants also determined the usefulness of the devices based on extreme perceived health events.	The sensitive sensor was perceived as unobtrusive that could provide level of safety by detecting incidents and thus providing additional security, as well as monitoring their activity level.																						
Older adults' perceptions of archives of personal health records							Participants responded the ability to share their health information with healthcare providers and family members.																						
Older adults' privacy considerations for vision based recognition methods of eldercare systems	M. M. Price, R. Pak, J. Müller and S. Bozinge											Participants found the silhouette images to be protective of their privacy. Participants also addressed a need for control of the frequency and duration of such monitoring, and requested the ability to turn the system off when desired. It was also requested that the monitor (monitor) able to decide which rooms should have the sensors should be installed. Participants also requested that they should be able to review the data collected by the system. Participants felt that they have problems with having healthcare professionals and family members have access to their data.																	
Older adults' perceptions of technologies aimed at falls prevention, detection or monitoring: A systematic review	D. Demiris, O. P. Thompson, M. J. Taylor, G. Shaw, H. Bott, D. Brown, S. Brown, M. Allen, K. Kinsella, M. Bailey, S. Morrissey and F. Ozkaynak		All residents stated that collecting this information was their last safety, knowing that someone was watching for changes in activity levels and potential health problems.								Residents required assistance by interviewers during their interactions with the screen-based interface.					Residents had difficulty manipulating the mouse.											
Older adults' readiness to adopt smart home sensor technologies into their homes	D. Demiris, B. K. Hensel, M. Skubic and M. Rantz											Personal definitions of privacy ranged from 'a silence to be' place, 'it is clearly to control the information dissemination' others, 'it a desire to control the information about oneself' and 'it is the ability to be free from intrusion'. Participants also identified a need for control of the frequency and duration of such monitoring. Some participants were concerned about the ability of the system to monitor all the activities in the home. Some participants also requested that they should be able to review the data collected by the system. Participants felt that they have problems with having healthcare professionals and family members have access to their data.																	
Older adults' perceptions of using video telehealth to communicate with health care providers	S. L. Courtney																												
Older residents' perceived need of and preferences for "smart-home" sensor technologies	D. Demiris, B. K. Hensel, M. Skubic and M. Rantz	Participants had a positive attitude toward smart home technologies in general. Findings suggest that participants would be open to the use of smart home technologies in their homes. Participants perceived the technologies to be useful and potentially beneficial for maintaining their daily routines or for preventive health problems.		The sensors (bed sensor, smart sensor, sensor mat, motion sensor, gait monitor, and other sensors) were of generally perceived as useful. Participants also determined the usefulness of the devices based on extreme perceived health events.	The sensitive sensor was perceived as unobtrusive that could provide level of safety by detecting incidents and thus providing additional security, as well as monitoring their activity level.																						
Use of information and communications technology to promote healthy information-What do older migrants know, and what do they want to know?	N. Goodall, P. Sharf and C. Thomson										Many did not use mobile phones because of the small keypad and screen.																	
What makes it for older people with assisted living needs? A phenomenological investigation into the lived nexus of relational and care	S. Zmerazhaft, J. Gilhooly, K. Ingebrigtsen, S. Hvinde Haavind, A. Hilde Hallberg and G. Nyrnes		A material deprivation for the use of assistive technologies was that some participants missed them as necessary in a hospital and as bringing them one step closer to institutional care as well.		Many of the assistive technologies in the study (e.g. blood pressure monitoring, fall's detectors, alarm) had been supplied after an acute event (e.g., stroke, fall). They generally, if not always, served the purpose of reducing anxiety and worry for the participants and their relatives. Some participants' struggled to see how these may be appropriate for their forthcoming needs at home.					One participant had a very positive attitude to the assistive technologies, especially because it helped him to maintain his independence and control over his experiences.			Some viewed the provided alarms as potentially exposing them to sinister intrusion or surveillance by unwanted strangers.																
Visiting but travelling: Methodical barriers, ethical challenges and practical considerations informing video ethnography among older adults	G. Young, J. Wills, D. Cameron and D. Olivos	In a word analysis, the idea of a home based assistive technology was associated with safety, security and managing one-activities										The research team were concerned about the security of storing health records online, especially monitoring did fear of information getting to families and friends. Participants were also concerned that information may be misused by companies. Participants were concerned that information may be shared with the system's maintenance team, and misuse of purchasing conditions. Participants were also concerned that information may be shared with the system's maintenance team, and misuse of information.																	
Voice gel controlled joint in a cold process: Practical value loading and publicity with sunlight-chrome conditions	J. S. Jordan, A. D. O'Donovan, R. Hallam, M. Bailey, M. Hall, M. Ali, D. Frank and C. Wall																												