

Original Paper

Association Between Intergenerational Support, Technology Perception and Trust, and Intention to Seek Medical Care on the Internet Among Chinese Older Adults: Cross-Sectional Questionnaire Study

Hengjiang Jin, PhD; Ying Qu, MA

School of Journalism, Chongqing University, Chongqing, China

Corresponding Author:

Hengjiang Jin, PhD

School of Journalism

Chongqing University

Number 174, Shazheng Street, Shapingba District

Chongqing

China

Phone: 86 15523596050

Email: jinhj@cqu.edu.cn

Abstract

Background: Avoiding technological innovation does not simplify life. In fact, using internet-based medical services can enhance the quality of life for older adults. In the context of an aging population and the growing integration of information technology, the demand for internet-based medical services among older adults is gaining increased attention. While scholars have highlighted the important role of intergenerational support in promoting digital inclusion for older adults, research on the relationship between intergenerational support and older adults' intentions to seek online care remains limited.

Objective: This study aims (1) to explore the association between intergenerational support, online medical information, and older adults' intention to seek medical care online, and (2) to examine the mediating role of technology perception and trust, as well as the moderating role of eHealth literacy.

Methods: A cross-sectional survey was conducted in China, collecting 958 valid responses from older adults aged 60 years and above. A vast majority of participants were between the ages of 60 and 75 years (771/958, 80.5%). Of the 958 participants, 559 (58.4%) resided in rural areas, while 399 (41.6%) lived in urban areas. The survey included questions on intergenerational support, perceived usefulness, perceived ease of use, trust, online medical information, eHealth literacy, and the intention to seek medical care online. Structural equation modeling and linear regression analysis were applied to explore the relationship between intergenerational support and the intention to seek medical care on the internet.

Results: Intergenerational support was positively associated with perceived ease of use ($\beta=.292, P<.001$), perceived usefulness ($\beta=.437, P<.001$), trust ($\beta=.322, P<.001$), and the intention to seek medical care online ($\beta=.354, P<.001$). Online medical information also positively affected the intention to seek medical care online among older adults ($\beta=.109, P<.001$). Perceived ease of use ($\beta=.029, 95\% \text{ CI } 0.009-0.054$), perceived usefulness ($\beta=.089, 95\% \text{ CI } 0.050-0.130$), and trust ($\beta=.063, 95\% \text{ CI } 0.036-0.099$) partially mediated the association between intergenerational support and the intention to seek medical care online. Further analysis found that perceived ease of use, perceived usefulness, and trust played a chain mediating role between intergenerational support and the intention to seek medical care online ($\beta=.015, 95\% \text{ CI } 0.008-0.027$; $\beta=.022, 95\% \text{ CI } 0.012-0.036$). Additionally, eHealth literacy played a moderating role in the relationship between intergenerational support and perceived ease of use ($\beta=.177, P<.001$), perceived usefulness ($\beta=.073, P<.05$), trust ($\beta=.090, P<.01$), and the intention to seek medical care online ($\beta=.124, P<.001$).

Conclusions: An integrated model of health communication effects was constructed and validated, providing empirical support for the intention to seek medical care online and for the impact of health communication. This model also helps promote the role of technology in empowering the lives of seniors.

(*J Med Internet Res* 2025;27:e65065) doi: [10.2196/65065](https://doi.org/10.2196/65065)

KEYWORDS

intergenerational support; older adults; internet medical intentions; perceived technology; trust

Introduction

Background

The internet has become an important medium for providing various eHealth services and a source of medical information [1]. Smartphones bring the convenience of telemedicine to users' fingertips [2]. According to the 52nd China Internet Network Information Center report [3], China has 364 million internet medical care users, accounting for 33.8% of all internet users. The number of online hospitals continues to grow, and the development of large-scale online medical care platforms shows strong momentum.

The World Health Organization has encouraged member states to actively use digital technologies to improve medical, health, and social services, thereby promoting active aging [4]. Given that older adults are the primary users of health care services [5], there is significant potential for internet-based medical services to enhance geriatric health. Currently, China's population is aging rapidly [6]. As of the end of 2023, the population of older adults in China (aged ≥ 60 years) has reached 297 million, accounting for 21.1% of the total population. For older adults, proficient use of technology is key to accessing internet-based medical services [7]. However, digital disparities—such as difficulties in acquiring, operating, and using basic equipment, as well as insufficient knowledge—limit their ability to equally benefit from technological advancements. Given the trend of population aging, the challenge of successfully integrating older adults into the digital health ecosystem has become a pressing issue.

Some prior studies have explored this question, noting that older adults are particularly concerned about the quality and risks of internet-based medical services [8]. Additionally, older adults' habits play an important role in explaining their use of such services [9]. However, further discussion is needed to clarify the complexities and mechanisms that influence older adults' intention to seek medical care online.

Seeking Medical Care Online

Intention to adopt internet-based medical services refers to individuals' subjective beliefs and willingness to seek care through such services when facing health problems [10]. It reflects the importance individuals place on their health, as well as their trust in and reliance on internet-based medical services. This intention is influenced by multiple factors, including disease severity, individual perceptions and attitudes toward the illness, and the quality and availability of health care services.

Examinations of the intention to adopt internet-based medical services currently follow 3 approaches. The first approach is based on the Technology Acceptance Model or the Unified Theory of Acceptance and Use of Technology [11], which assesses user acceptance of online health platforms and the willingness of different population groups to use internet-based medical services [12]. The second approach constructs an

analytical model centered on trust within the doctor-patient relationship, focusing on factors such as personal trust preferences and website trustworthiness [13]. The third approach is based on Social Exchange Theory, which examines the physicians' perspectives on the potential impact of interactive tools on their careers [14], as well as how regulatory systems, reputation systems, and communication exchanges shape their motivation to use these services [15].

Examining older adults' access to online health care in greater detail, Mansson et al [16] argued that the use of mobile health (mHealth) apps may reduce treatment costs. However, Askari et al [17] identified several factors influencing older adults' willingness to use mHealth apps, including perceived usefulness (PU), ease of use, social connections, social norms, and anxiety.

Intergenerational Support

Intergenerational Support Theory asserts that the flow of resources among family members is bidirectional [18], encompassing economic, technological, and emotional exchanges [19]. In the context of internet-based medical services, intergenerational support focuses on the technical assistance provided by the children to their parents in using these services.

Perceived ease of use (PEOU) measures older adults' ratings of technology's friendliness versus their beliefs about ease of mastery [20]. However, many older adults are unfamiliar with smartphone operation, are often excluded from various internet services, and are unable to benefit equally from digital technologies [21]. Additionally, they perceive apps as complex [22], resulting in low overall levels of PEOU. The lack of digital literacy and the challenges of aging are significant barriers to older adults' intention to use mHealth technology [23]. In the context of online-based medical services, children can assist older adults by guiding them through the process of using online platforms—such as downloading, registering, finding, and consulting internet-based medical services. They can also help resolve technical issues, thereby reducing frustration [24]. This support will make it easier for older adults to use these services, leading to an increase in their assessment of PEOU. Based on this, the following hypotheses are proposed.

- Hypothesis 1a: Intergenerational support is positively associated with perceived ease of use of internet-based medical services among older adults.

PU reflects older people's views that a particular technology can improve their health care experience. It encompasses their belief that internet-based medical services can meet their health management needs, such as online appointment booking, teleconsultation, and e-prescription flow. Studies have shown that older adults are more likely to adopt technology when they gain insight into its usefulness and potential benefits. Through direct operation or demonstration by children, older adults can independently or semi-independently use the internet-based medical service platform to experience its advantages in simplifying clinical services, saving time and energy for medical

treatment, and enhancing their knowledge and acceptance of the platform. Once older adults experience the tangible benefits of internet-based medical services, it may stimulate positive feedback mechanisms that gradually ease the psychological barriers to adopting new technologies. This, in turn, can enhance psychological adaptation and cognitive health [25], thereby deepening the PU of the internet-based medical service platform.

- Hypothesis 1b: Intergenerational support is positively associated with the perceived usefulness of internet-based medical services for older adults.

Trust typically builds up gradually through continuous and intimate interactions, which can enhance patients' positive expectations [26]. However, many older adults have conservative and negative attitudes toward new technologies and are hesitant to use online services. As a result, it can be challenging for services such as internet-based medical services to gain the trust of older adults [27]. According to Ma et al [28], trust serves as a critical criterion for older adults in identifying individuals who can help them enhance their digital skills. Consequently, the younger generation plays a significant role in building trust and security for older adults. This support also involves a sense of being recognized and respected [29]. We hypothesize that greater intergenerational support is more likely to reduce older adults' unfamiliarity and thus increase their trust in these services.

- Hypothesis 1c: Intergenerational support is positively associated with older adults' trust in internet-based medical service.

According to Li and Kostka [30], social support plays a significant role in affecting older adults' digital engagement. Many older adults who maintain close contact with their families tend to receive more effective support for digital learning and engagement [30]. Additionally, given the importance of filial piety in Chinese culture, adult children are expected to assist disadvantaged family members [31]. This includes providing help and counseling regarding digital access, use, and literacy, as well as facilitating bottom-up technology transfer [32] to help their parents accomplish reverse socialization [33]. As a result, support and feedback can effectively enhance the digital competence of older adults [34] and promote the adoption of new technologies.

- Hypothesis 1d: Intergenerational support is positively associated with older adults' intention to seek medical care on the internet.

Perceived Usefulness and Perceived Ease of Use

As the key elements determining users' behavioral intentions, PU indicates the extent to which using a particular system or operation can improve task performance or achieve a specific goal. PEOU reflects the user's subjective evaluation of the convenience and ease provided by using something [35].

Some studies have shown that the PU of social media affects people's trust in the platform as well as the channel [36]. Acharya et al [37] further found that the PU of recommender systems can directly impact consumers' trust. It has also been confirmed that PEOU is positively correlated with consumer

trust [38]. This study suggests, therefore, that older adults may trust internet-based medical services if they perceive them as useful or easy to use.

- Hypothesis 2a: Perceived ease of use is positively associated with older adults' trust in internet-based medical service.
- Hypothesis 2b: Perceived usefulness is positively associated with older adults' trust in internet-based medical service.

Currently, technology perception has been studied in various contexts, such as the adoption of smart home technologies [39] and the willingness to use internet applications [40]. Naidoo and Leonard [41] found that the continued willingness to use e-services is entirely dependent on high levels of PU. Further research indicates that the PU of the internet is an important predictor of an individual's use of eHealth solutions and plays a significant role in patients' sustained use of online health care communities [42]. For older adults, the functions of internet-based medical services are far more complex than simple services such as browsing short videos. Older patients tend to consider using these services only if the transition to new medical treatments is easy [43]. This study therefore argues that older adults are more likely to use internet-based medical services if they perceive them to be useful or easy to use.

- Hypothesis 3a: Perceived ease of use is positively associated with older adults' intention to seek medical care on the internet.
- Hypothesis 3b: Perceived usefulness is positively associated with older adults' intention to seek medical care on the internet.

Trust

Schoorman et al [44] suggested that trust in internet-based medical services is the tendency for people to believe that these services can fulfill their health needs and to be willing to use them, reflecting the level of acceptance for such services [45]. Trust is a crucial factor for assessing users' willingness to use internet-based medical services [46], and establishing trust improves the likelihood of older adults using these services [47]. This study therefore suggests that older adults who trust internet-based medical services are more likely to be willing to access such services. We therefore propose the following hypothesis:

- Hypothesis 4: Trust is positively associated with older adults' intention to seek medical care on the internet.

Online Medical Information

Online medical information—encompassing all types of medical-related content delivered and shared through internet platforms such as search engines, medical websites, and online forums—is highly sought after. The causes and treatments of diseases are among the most popular topics for medical information searches [48]. Notably, 60% of individuals view online medical information as equally good or better than information provided by physicians [49]. Online medical information enhances the efficiency of medical knowledge dissemination and is rapidly replacing traditional approaches for seeking advice and information [50]. It helps to improve individuals' knowledge, promote disease prevention, and

facilitate access to appropriate medical services. To pursue more informed health decisions [51], older adults often seek health-related medical information online, which influences their health behaviors [52]. Consequently, older adults may be motivated to seek guidance from physicians practicing online [53]. The following research hypothesis is therefore proposed:

- Hypothesis 5: Online medical information is positively associated with older adults' intention to seek internet-based medical services.

eHealth Literacy

eHealth literacy refers to the ability needed to access, understand, and evaluate health information from digital resources and make informed health decisions [54]. It encompasses active information-seeking, 2-way interactive communication, and information utilization/sharing [55]. Although older adults are increasingly relying on the internet to access health-related services, they often struggle to meet the necessary eHealth literacy requirements [56]. Families play an important role in promoting eHealth literacy among older adults [57]. By strengthening intergenerational support, they can help older adults better learn and apply new technologies. When confronted with a complex internet health care delivery system, families can assist in quickly getting up to speed and becoming proficient in its operation. At this level, internet health care services are easy to use. At the same time, families can help older adults obtain rich health information from the platform [58] and manage their daily health needs, which can enhance their perception of the usefulness of these services. Therefore, we propose the following:

- Hypothesis 6a: eHealth literacy positively moderates the relationship between intergenerational support and perceived ease of use.
- Hypothesis 6b: eHealth literacy positively moderates the relationship between intergenerational support and perceived usefulness.

A study found that social interaction, access to technology, and digital literacy are positively correlated. With the assistance of their children, older adults can significantly improve their ability to access, understand, and apply digital health information [59]. High levels of eHealth literacy can increase older adults' confidence and ability to assess the reliability and validity of internet-based health care services, thereby enhancing their trust in such services.

- Hypothesis 6c: eHealth literacy positively moderates the relationship between intergenerational support and trust.

According to Health Empowerment Theory, eHealth literacy and social support can promote self-care behaviors among older adults [60]. The findings of Hsu et al [61] further indicate that individuals with higher levels of eHealth literacy have a greater potential to make informed health choices, improved health care competence, and ultimately higher quality of life. Therefore, we propose the following:

- Hypothesis 6d: eHealth literacy positively moderates the relationship between intergenerational support and intention to seek medical care on the internet.

Methods

Data Collection and Participants

In this study, a questionnaire (Multimedia Appendix 1) was used to validate the research model. To ensure reliability and validity, all items were borrowed from well-established domestic and international scales and adjusted according to the theme of internet medical care. The questionnaire comprises a total of 7 latent variables, involving 24 items, all measured on a 7-point Likert scale. Before the official survey, a presurvey was conducted with 50 older adults to ensure a high degree of internal consistency. Based on their feedback, questions with ambiguities or semantic problems were adjusted.

Between March 20, 2024, and March 31, 2024, we officially launched the distribution of the questionnaire using a combination of online and offline methods. This approach ensures that the data (Multimedia Appendix 2) collected are broad and representative, providing a more comprehensive understanding of the attitudes and needs of older adults regarding the use of the internet for health care services. The study was conducted among individuals aged 60 years and older who had autonomous behavioral skills and some experience with internet use, encompassing both rural and urban areas. Those who lacked basic knowledge of the internet or were unable to participate due to daily activities or cognitive limitations were excluded.

Online questionnaires offer the advantages of low cost, autonomy, and comprehensive documentation, as well as the ability to effectively expand the range of respondents. In this study, an online self-report questionnaire was designed using Questionnaire Star (Changsha Ranxing Information Technology Co., Ltd.). The questionnaire was distributed through a convenience sample with a snowball approach. An online survey link was shared across various social media platforms and WeChat (Tencent Holdings Limited) app groups, where participation was voluntary. This approach covered older adult groups from regions such as Chongqing, Hunan, Guizhou, and Zhejiang, among others. To address the unfamiliarity of some older adults with the operation of the Questionnaire Star and the limitation of their text reading comprehension ability, this study required them to complete the questionnaire in the presence and under the guidance of their middle-aged or young relatives or friends. This approach ensured the accuracy and reliability of the data by providing assistance with understanding and navigating the questions.

Although many older people already have smart devices, they may be wary of clicking on a link to participate in an online questionnaire. Therefore, face-to-face interviews are particularly necessary. In the offline questionnaire survey, we adopted a dual strategy: on the one hand, the research team personally visited communities and villages in Chongqing and Hunan, directly communicating with older adult groups through on-site visits to ask them in detail about their willingness to use internet health care services. On the other hand, with the support of governmental agencies where the researchers are domiciled, we commissioned local staff to assist in distributing some of the questionnaires. For the older adults interviewed who had the

ability to write, we asked them to fill in the questionnaire themselves; for patients who were unable to fill in the questionnaire by themselves, their primary caregiver or interviewer filled in the questionnaire on their behalf. The questionnaires were collected on-site after completion.

During the data collection phase, a total of 1200 questionnaires were collected. After eliminating invalid questionnaires (including online questionnaires that took less <90 seconds to complete, failed the honesty test, had missing values, or provided the same answer to all questions, as well as offline questionnaires that were obviously invalid, such as choosing “strongly agree” for all of them), a total of 958 valid questionnaires were ultimately obtained for an effective response rate of 79.8%.

Measurements

Intergenerational Support

The measurement items for this dimension were derived from Lang and Schütze’s study [62] and consisted of 3 items. It was measured with good reliability ($\alpha=.887$) [63]. This factor collectively explained 81.6% of the variance (Kaiser-Meier-Olkin [KMO]=0.748). Specific items included “My children encourage me to seek medical care on the internet, and I am willing to try it,” “My children guide I would be willing to try,” and “When I have problems with internet health care, my children help me solve the problem, so I would be willing to try it.”

Online Medical Information

Based on a study by de Boer et al [64], 4 items were used to measure the medical information that older adults sought online. The measurement items included “I would search for medical information on the internet” and “Online medical information has taught me something about health.” The results of factor analysis for the 4 items showed a KMO value of 0.843, with the factor explaining a total of 76.2% of the variance; these items also had good reliability ($\alpha=.895$).

Trust

This dimension is based on the studies by Fogel and Nehmad [65] and Deng et al [66] and consists of 3 items. Specific items included “Most of the doctors on the online medical service platforms are health experts in their fields, and I have no doubt about their professionalism” and “Generally, I trust the health advice or tips from doctors on the internet.” The overall performance of these items indicated good reliability ($\alpha=.868$); this factor collectively explained 79.2% of the variance (KMO=0.735).

Perceived Ease of Use

The 5 items were based on the study by Deng et al [66]. Typical items include “I don’t think it is difficult to use the internet for health counseling” or “In general, I think internet health care is easy to use.” The results of factor analysis for the 3 items showed a KMO value of 0.885, explaining a total of 72.7% of the variance. The 5 items showed good reliability ($\alpha=.906$).

Perceived Usefulness

The items for this factor were based on those in the study by Deng et al [66]. The items included “I believe that using the internet for medical care can improve the efficiency of health care” and “Overall, I think online medical care is useful for health management.” The results of the analysis showed a KMO value of 0.746, explaining a total of 81.7% of the variance, and good reliability ($\alpha=.888$).

Intention to Seek Medical Care on the Internet

These 3 items referred to the study by Deng et al [66], including “When I face health problems, I think I will solve them through internet health care” and “I am willing to use internet health care services for health counseling, such as disease control.” These analyses showed a KMO value of 0.751, explaining a total of 82.8% of the variance; all 3 items also had good reliability ($\alpha=.895$).

eHealth Literacy

This dimension combines health and media literacy and references the study by Norman and Skinner [67]. The 3 items included “I know how to find useful health resources and messages online” or “I know how to use the health care-type information I find on the internet to help myself,” with 82.6% variance explained, a KMO value of 0.751, and good reliability ($\alpha=.894$).

All 24 items were rated on a 7-point Likert scale (1=strongly disagree, and 7=strongly agree). All measurement items can be found in Table S1 in [Multimedia Appendix 3](#).

Data Analysis

Cronbach α was used to determine the reliability of the scales. Construct validity and reliability were examined using exploratory factor analysis with varimax rotation, Bartlett test, and KMO statistics, as well as confirmatory factor analysis (CFA).

For the analysis of structural equation modeling, Amos 26.0 (IBM Corp.) was used to analyze the data and the effect of the model was measured by the fit indices, which included chi-square/degree of freedom (χ^2/df), the goodness of fit index (GFI), the adjusted goodness of fit index (AGFI), the incremental fit index (IFI), the comparative fit index (CFI), the nonnormed fit index (NNFI), and root mean square error of approximation (RMSEA). Additionally, the bootstrap method was used to test the mediation model with 5000 iterations of repeated sampling. Results were also obtained using SPSS 26.0 (IBM Corp.) to test for interaction effects.

Ethical Considerations

Ethical approval for this study was obtained from the academic committee (acting as the ethics committee) of the School of Journalism and Communication at Chongqing University (approval number 20240320). Informed consent was obtained from all participants before their participation in the survey. Participants were provided with a detailed informed consent form outlining the purpose of the study, the duration of the investigation, the procedures, and the potential risks and benefits. They were informed that their participation was

voluntary and that they had the right to withdraw at any time without facing any negative consequences. Participants were assured of the confidentiality and anonymity of their responses.

Results

Participant Characteristics

The sample demographics are as follows: of the 958 participants, 771 (80.5%) were between the ages of 60 and 75 years, 511

(53.3%) were females, and 447 (46.7%) were males. In terms of residential area, 559 (58.4%) participants resided in a rural area and 399 (41.6%) in an urban area. Most participants (812/958, 84.8%) had between 1 and 3 children, about one-quarter (214/958, 22.3%) of the participants reported an education level of high school and above, nearly half (440/958, 45.9%) rated their self-assessed health status as fair, and 186 (19.4%) rated it as poor or very poor. Detailed demographic information is presented in [Table 1](#).

Table 1. Participant characteristics (N=958).

Characteristics	Values, n (%)
Age (years)	
60-65	444 (46.3)
66-70	183 (19.1)
71-75	144 (15.0)
76-80	123 (12.8)
>80	64 (6.7)
Gender	
Women	511 (53.3)
Male	447 (46.7)
Status of residence	
Residence with spouse	424 (44.3)
Large family living together	188 (19.6)
Living with children	184 (19.2)
Living alone	137 (14.3)
Others	25 (2.6)
Educational level	
Secondary schools	353 (36.8)
Junior high school	243 (25.4)
Not attending school	148 (15.4)
High school/secondary school	138 (14.4)
Undergraduate	53 (5.5)
Graduate students and above	23 (2.4)
Occupation now or before retirement	
Peasants	475 (49.6)
Workers	112 (11.7)
Others	109 (11.4)
Public officials/units	107 (11.2)
Sole trader/freelancer	100 (10.4)
Business managers/office staff	55 (5.7)
Monthly income (CNY^a)	
≤2000	472 (49.3)
2001-4000	286 (29.9)
4001-6000	133 (13.9)
6001-8000	44 (4.6)
≥8001	23 (2.4)
Urban/rural	
Countryside	559 (58.4)
Cities and towns	399 (41.6)
Number of children	
2	452 (47.2)
3	192 (20.0)
1	168 (17.5)

Characteristics	Values, n (%)
4	87 (9.1)
5	30 (3.1)
0	18 (1.9)
≥6	11 (1.1)
Self-assessed health status	
General	440 (45.9)
Better	288 (30.1)
Rather poor	170 (17.7)
Rare	44 (4.6)
Very poor	16 (1.7)

^a1 CNY=US \$0.14.

Structural Model

The CFA model was fit to the data (Table S2 in [Multimedia Appendix 3](#)): $\chi^2_{231}=525.021$, GFI=0.958, AGFI=0.945, IFI=0.980, CFI=0.980, NNFI=0.976, and RMSEA=0.036. The model fit appeared to be good, and all items met the criteria proposed by Hu and Bentler [68] and Kline [69].

According to Bagozzi and Youjae [70] and Hair [71], composite reliability (ρ) \geq 0.60 and average variance extracted \geq 0.50 indicate good internal consistency and convergent validity. We therefore used composite reliability to measure the reliability of the constructs, with the following results: intergenerational support=0.887, online medical information=0.896, trust=0.869, PU=0.888, PEOU=0.906, eHealth literacy=0.894, and intention to seek medical care on the internet=0.896. As shown in Table S3 in [Multimedia Appendix 3](#), the factor loadings for all question items were greater than 0.60. Convergent validity was assessed using the average variance extracted, which yielded the following values: 0.723 for intergenerational support, 0.684 for online medical information, 0.690 for trust, 0.726 for PU, 0.659 for PEOU, 0.739 for eHealth literacy, and 0.742 for intention to seek medical care on the internet. These results indicate good convergent validity. As shown in Table S4 in [Multimedia Appendix 3](#), the square root of the average variance extracted for each construct is greater than the correlation coefficients between the variables, indicating good discriminant validity [72].

Based on the final CFA model, a full structural equation modeling was conducted to test the hypotheses. The model fit indices (Table S5 in [Multimedia Appendix 3](#)) were as follows: $\chi^2_{179}=498.30$, GFI=0.954, AGFI=0.940, IFI=0.975, CFI=0.975, Tucker-Lewis Index=0.971, and RMSEA=0.043. These indices indicate a good model fit, and the structural equation modeling approach allowed the constructed and hypothesized model to be tested in a more satisfactory manner.

Association of Intergenerational Support and Other Variables and Intention to Seek Medical Care on the Internet

Table 2 shows the results of the path analysis. Intergenerational support was positively associated with PEOU, PU, trust, and older adults' intention to seek medical care on the internet ($\beta=.292$, $P<.001$; $\beta=.437$, $P<.001$; $\beta=.322$, $P<.001$; and $\beta=.354$, $P<.001$, respectively); therefore, hypotheses H1a, H1b, H1c, and H1d were supported. PEOU and PU were positively associated with older adults' trust in internet-based medical services ($\beta=.263$, $P<.001$ and $\beta=.261$, $P<.001$, respectively), supporting H2a and H2b. PEOU and PU were also positively correlated with older adults' intention to seek medical care on the internet ($\beta=.099$, $P=.002$ and $\beta=.204$, $P<.001$, respectively), supporting H3a and H3b. Trust was positively correlated with older adults' intention to seek medical care on the internet ($\beta=.197$, $P<.001$), supporting H4. Online medical information was also positively correlated with older adults' intention to seek medical care on the internet ($\beta=.109$, $P<.001$), supporting H5.

Table 2. Results for direct relationships.

Relationship	Path coefficient	SE	Critical ratio	P value
PEOU ← IS ^a	0.292	0.037	8.204	<.001
PU ← IS	0.437	0.035	12.388	<.001
T ← IS	0.322	0.034	8.543	<.001
T ← PEOU ^b	0.263	0.029	8.003	<.001
T ← PU ^c	0.261	0.032	7.345	<.001
SMCI ^d ← IS	0.354	0.04	9.265	<.001
SMCI ← T ^e	0.197	0.046	4.961	<.001
SMCI ← PEOU	0.099	0.032	3.088	.002
SMCI ← PU	0.204	0.037	5.809	<.001
SMCI ← OMI ^f	0.109	0.034	3.781	<.001

^aIS: intergenerational support.

^bPEOU: perceived ease of use.

^cPU: perceived usefulness.

^dSMCI: intention to seek medical care on the internet

^eT: Trust

^fOMI: online medical information.

Table 3 shows the mediating relationship between PU, PEOU, and trust. The total effect value of the relationship between intergenerational support and willingness to use internet-based medical services was 0.573, while the direct effect value was 0.354. Both had a positive 95% CI and a *P* value of less than 0.05, indicating that the total and direct effects were significant. The indirect effect of trust was 0.063 (95% CI 0.036-0.099). More specifically, trust partially mediated the association between intergenerational support and older adults' willingness to use internet-based medical services. PEOU, PU, and trust

also played a chain mediating role between intergenerational support and willingness to use internet-based medical services, with specific mediation effect sizes of 0.015 and 0.022, respectively. The 95% CI for the PEOU path was 0.008-0.027, and for the PU path, it was 0.012-0.036. The *P* values for both chain mediation paths were less than 0.05, suggesting that intergenerational support can enhance PEOU and PU among older adults. This, in turn, enhances trust, which subsequently increases the willingness to use internet-based medical services.

Table 3. Total, direct, and indirect effects.^a

Mediation effect and path	Estimate	95% CI	P value
Total effect			
IS ^b → SMCI ^c	0.573	0.509-0.632	<.001
Direct effect			
IS → SMCI	0.354	0.278-0.428	<.001
Indirect effect			
IS → T ^d → SMCI	0.063	0.036-0.099	<.001
IS → PEOU ^e → SMCI	0.029	0.009-0.054	0.005
IS → PU ^f → SMCI	0.089	0.050-0.130	<.001
IS → PEOU → T → SMCI	0.015	0.008-0.027	<.001
IS → PU → T → SMCI	0.022	0.012-0.036	<.001

^aStandardized estimation of 5000 bootstrap samples.

^bIS: intergenerational support.

^cSMCI: intention to seek medical care on the internet.

^dT: trust.

^ePEOU: perceived ease of use.

^fPU: perceived usefulness.

Table 4 shows the moderating relationships of eHealth literacy. The interaction term between intergenerational support and eHealth literacy was a significant positive predictor of PEOU ($\beta=.177, P<.001$) and PU ($\beta=.073, P=.018$). This suggests that eHealth literacy moderates the effect of intergenerational support on PEOU and PU, thereby supporting H6a and H6b. The interaction term between intergenerational support and eHealth literacy was a significant positive predictor of trust ($\beta=.09, P<.01$), suggesting that eHealth literacy moderates the effect of intergenerational support on trust, thus supporting H6c. The interaction term between intergenerational support and eHealth

literacy had a significant positive predictive effect on the intention to seek medical care on the internet ($\beta=.124, P<.001$). This indicates that eHealth literacy moderates the influence of intergenerational support on the intention to seek medical care on the internet, thereby supporting H6d. A further simple slope analysis was then conducted (Figure 1). The slope was shallower when eHealth literacy was low (solid line) and steeper when eHealth literacy was high (dashed line). This suggests that intergenerational support was a more significant positive predictor of the intention to seek medical care on the internet, PEOU, PU, and trust at high levels of eHealth literacy.

Table 4. Moderated effect.

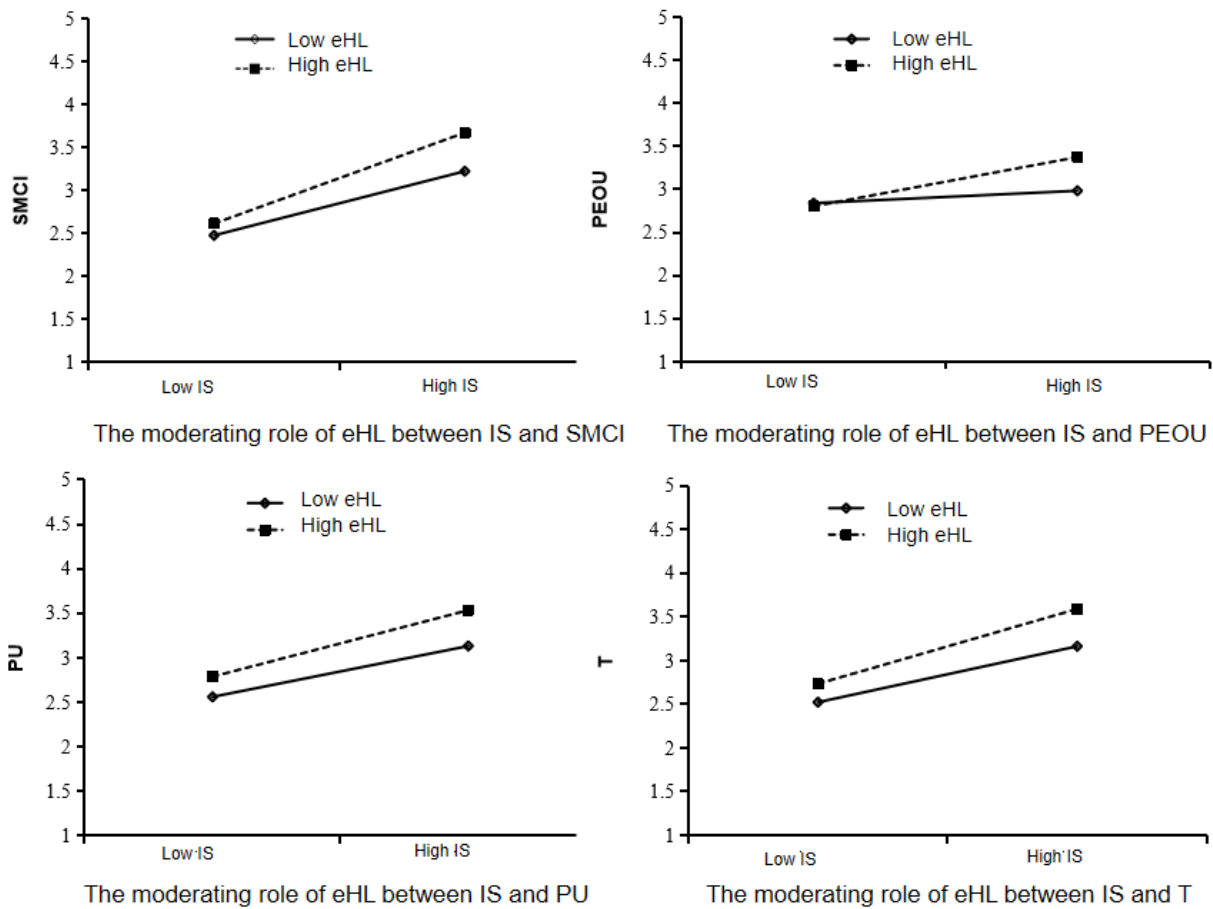
Path	Intention to seek medical care on the internet, β (P value)	Perceived ease of use, β (P value)	Perceived usefulness, β (P value)	Trust, β (P value)
Intergenerational support	.447 (<.001)	.183 (<.001)	.337 (<.001)	.389 (<.001)
Electronic health literacy ^a	.15 (<.001)	.094 (.002)	.167 (<.001)	.173 (<.001)
IS ^b × eHL ^c	.124 (<.001)	.177 (<.001)	.073 (.018)	.09 (.003)

^aElectronic health literacy was used as a moderating variable in the model after controlling for the variables age, gender, education, residential status, occupation now or before retirement, monthly income, urban /rural, number of children, self-assessed health status.

^bIS: intergenerational support.

^ceHL: eHealth literacy.

Figure 1. Simple slope plot. eHL: eHealth literacy; IS: intergenerational support; PEOU: perceived ease of use; PU: perceived usefulness; SMCI: intention to seek medical care on the internet; T: trust.



Discussion

Principal Findings

Older people are often referred to as digital refugees [73]. A lack of digital skills may contribute to the risk of widening health disparities and unequal access to services [74]. Studies have shown that many older individuals face numerous barriers to using smartphones, often due to a lack of knowledge about apps and their features [75] and technology anxiety [76]. Most older adult patients are also accustomed to face-to-face outpatient services, making the adoption of internet-based health care not easily achievable for this population. Although the digital divide hinders active aging by reducing the social participation, as well as the physical and mental health, of older adults [77], the active bridging provided by intergenerational support helps older adults overcome their fears, improve their digital skills, and enhance their sense of well-being and accessibility. This, in turn, facilitates their integration into the digital age by fostering a positive and optimistic mindset that promotes effective active aging [78].

Intergenerational support to address the technical aspect occurs when children explain to older adults how to operate the online medical platform, help them understand error messages, and provide tips on various operations such as registration, logging in, booking appointments, and online counseling [79]. This support involves not only technical guidance but also spiritual care and comfort. This kind of benign emotional exchange can

promote older people’s perception of satisfaction, enhancing their acceptance of new technologies. Therefore, online medical care with intergenerational support is not only a reflection of filial piety but also an endorsement of positive intergenerational relationships. Children’s counseling and assistance can improve the cognitive abilities [80] and overall health awareness of older adults, alleviate their fear of technology, reduce digital loneliness, and strengthen their confidence in using internet-based medical services.

The results of this study show that the higher the level of intergenerational support, the greater the PEOU and usefulness of internet health care platforms among older adults, which in turn enhances their willingness to access these services. Through the help and guidance of family members, older adults are able to master internet technologies more quickly and effectively utilize these tools for health management. This support not only increased older adults’ PEOU of internet-based health care services but also boosted their confidence and security, leading to a greater willingness to try and use these services. In addition, this support implies encouragement and companionship on an emotional and psychological level [81]. When older adults feel the concern and attention from their family members or later generations regarding their health problems, and the possibility of obtaining a convenient and professional health care experience through internet health care services, they are more likely to develop positive psychological expectations that these services are valuable and can practically solve their health issues [82]. This positive cognitive shift directly enhances older adults’

acceptance of and reliance on internet health care services, thereby strengthening their willingness to seek medical care.

There is also a transformational path between social support factors that generate the intention to adopt internet-based medical services; trust mediates between intergenerational support and the intention to adopt internet-based medical services. Trust, in this context, refers to the extent to which an individual relies on an internet-based medical service to meet health management needs [83], encompassing aspects such as the professionalism of the health care service, platform security, and a positive user experience. Cao et al [84] suggested that mistrust is a common reason for digital disengagement and that trust is crucial for an individual's ongoing behavior when using information technology. This is also true in the internet-based medical service environment [85]. Studies have shown that the realization of internet-based medical services is divided into 2 phases: first, patients develop perceptions about the technical aspects of the health care platform, including its functionality, usefulness, and convenience [86]; second, patients evaluate the trustworthiness of the care provided and the service process [87]. Strong behavioral intentions only occur if older adults have a positive perception of the trustworthiness of the care.

Based on previous studies, this study further clarifies the influence of intergenerational support on older adults' intention to adopt internet-based medical services. It constructs and validates an integrated model of the effect of health communication: intergenerational support → PEOU → PU → trust → intention to adopt internet-based medical services. As a new approach to medical care, internet-based medical services improve convenience and efficiency. With intergenerational support, older adults perceive the technical aspects (PEOU and PU) of these services more positively. This, in turn, enhances their trust and intention to use internet-based medical services, facilitating the integration of online care into health care.

Intergenerational support had a greater effect on the willingness of older adults to use internet-based medical services among those with high eHealth literacy. According to Jung et al [55], eHealth literacy enhances older adults' ability to manage health-related issues effectively. Health literacy has also been positively associated with help-seeking intentions [88], older adults' choice of physician, and their understanding of the physician's recommendations [89]. Older adults with high eHealth literacy are thus more likely to have a higher intention to seek medical care on the internet when they receive support from their children and are more likely to participate in internet-based medical services actively for a better health care experience [90].

Previous studies have shown that PU and trust in online medical information [91] can improve eHealth literacy. However, this study demonstrated that the degree of intergenerational support for perceived technology, as well as trust in internet-based medical services, is deeper when older adults have higher eHealth literacy. According to Nie et al [92], people with higher eHealth literacy better assess the usefulness of searching for health information online. However, it may be that eHealth literacy increases older adults' interest in health, their knowledge, and their expectations of health care [93] while

inducing confidence and a sense of the efficacy of internet-based medical services.

Much of the health and medical information provided by internet-based medical service platforms originates from authoritative health care institutions and professionals, ensuring a high degree of accuracy. These platforms can support long-term disease management and health monitoring [94], allowing older people to access the health information they need. Bundorf et al [95] argued that this shift to searching for medical information online has obvious impacts on health behaviors as well as on treatment choices [96], improving older adults' health beliefs and motivating them to engage in healthy activities [97]. There is also evidence that online medical information not only encourages self-initiated participation in health care [98] but also increases the likelihood that older adults will take an active role in disease management. It is thus reasonable to believe, based on the present results, that online medical information can play an active role in disease management and increase the willingness of older adults to use internet-based medical services.

Limitations

Although this study initially verified the proposed theoretical model, certain limitations remain. First, the study focused exclusively on the PEOU and PU of internet-based medical services, leaving other related perceptions (eg, risks and benefits) unexplored. Moreover, it considered only the factors influencing older adults' willingness to use internet-based medical services, without addressing motivation, sustained willingness to use, or actual usage. Finally, this study examined only the influence of the core variable of intergenerational support. Other factors, such as peer influence, social influence (eg, doctors' recommendations), and subjective norms, could be explored in greater depth and incorporated into models in future research.

Implications

Examining technology use among older adults is also a valuable starting point for addressing the range of social issues associated with aging [99]. This study's focus on the needs of older adults regarding internet-based medical services, as well as their intentions to use such services, offers constructive insights for improving health equity and enhancing the inclusiveness and equity of internet-based medical services in particular [100]. Perceptions of and trust in technology are crucial factors in facilitating older adults' adoption of internet-based medical services. Efforts to encourage older adults to use these services may first need to ensure that they recognize such services as not only useful and easy to use but also trustworthy.

Medical institutions and internet-based medical platforms can take the following measures: in platform design, they should fully consider the characteristics and needs of older adults, implement age-adapted designs, lower the barriers to use, and create an age-friendly online environment. Additionally, medical institutions and platforms must establish a highly credible environment by ensuring transparency in the treatment process and maintaining honesty and openness with patients. Protecting the personal information of older adults and preventing data

breaches are essential to enhancing their confidence in using internet-based health care services.

Furthermore, the role of intergenerational support in enhancing older adults' intention to seek medical care online must be emphasized. This highlights the importance of understanding the barriers older adults may face when using internet-based medical services, as well as the critical role children/young adults can play in facilitating the adoption of new technologies by older generations.

Within families, the younger generation should take the initiative to help older adults adapt to digital technology by offering emotional support and technical guidance while leveraging the advantages of the internet for health management.

The use of internet-based medical services by older adults holds significant value for management. First, it improves management efficiency. Internet-based medical services simplify traditional medical processes, enhancing hospital management efficiency. These platforms can allocate medical resources more effectively based on the health status and needs of older adults, optimizing resource utilization. Second, it fosters an innovative service model. Internet-based medical platforms can leverage technologies such as big data and artificial intelligence to deliver more precise medical services. Additionally, they can collaborate

with other industries, such as care services for older adults, to innovate and expand service models. Third, it facilitates policy implementation. As a platform for policy dissemination, internet-based medical services can help raise awareness among older adults about national health and pension policies, thereby supporting the effective implementation of these policies. Fourth, it reflects social value. Internet-based medical services address the health needs of older adults, demonstrating social care and respect for older adults. This contributes to the transformation and upgrading of the national health care industry, ultimately improving the overall quality of medical services.

Conclusions

Population aging is a long-term national issue in China, and the availability of medical services is directly linked to the quality of life for older adults. This study provides evidence that intergenerational support is a key factor in promoting the adoption of internet health care services by older adults. Encouraging children to offer guidance and assistance to their parents is essential. To increase older adults' willingness to use internet health care, future efforts should focus not only on intergenerational support but also on improving the PEOU and usefulness of the technology, building trust, and fostering eHealth literacy among older adults.

Acknowledgments

This study was supported by the Project of Humanities and Social Sciences Research of the Ministry of Education (grant 23XJC860002) and the Fundamental Research Fund for the Central Universities (grant 2021CDJSKJC33).

Conflicts of Interest

None declared.

Multimedia Appendix 1

Questionnaire.

[\[ZIP File \(Zip Archive\), 182 KB-Multimedia Appendix 1\]](#)

Multimedia Appendix 2

Data (centralized processing).

[\[ZIP File \(Zip Archive\), 190 KB-Multimedia Appendix 2\]](#)

Multimedia Appendix 3

Additional analysis.

[\[ZIP File \(Zip Archive\), 19 KB-Multimedia Appendix 3\]](#)

References

1. Takahashi Y, Ohura T, Ishizaki T, Okamoto S, Miki K, Naito M, et al. Internet use for health-related information via personal computers and cell phones in Japan: a cross-sectional population-based survey. *J Med Internet Res*. Dec 14, 2011;13(4):e110. [[FREE Full text](#)] [doi: [10.2196/jmir.1796](https://doi.org/10.2196/jmir.1796)] [Medline: [22169526](https://pubmed.ncbi.nlm.nih.gov/22169526/)]
2. Zhang C. Smartphones and telemedicine for older people in China: opportunities and challenges. *Digit Health*. 2022;8:20552076221133695. [[FREE Full text](#)] [doi: [10.1177/20552076221133695](https://doi.org/10.1177/20552076221133695)] [Medline: [36353695](https://pubmed.ncbi.nlm.nih.gov/36353695/)]
3. China Internet Network Information Center (CNNIC). The 52nd China statistical report on the development of internet in China. CNNIC. Aug 28, 2023. URL: <https://www.cnnic.cn/n4/2023/0828/c199-10830.html> [accessed 2024-07-14]
4. World Health Organization (WHO). Draft global strategy on digital health 2020-2024. WHO. Geneva, Switzerland. WHO; 2020. URL: <https://www.who.int/docs/default-source/documents/g4dh0c510c483a9a42b1834a8f4d276c6352.pdf> [accessed 2024-07-14]

5. Resnick B, Young HM, Fick DM, Kagan SH. Making care for older people the choice of nurses today, tomorrow, and forever. *Geriatr Nurs*. 2022;46:A1-A2. [[FREE Full text](#)] [doi: [10.1016/j.gerinurse.2022.04.014](https://doi.org/10.1016/j.gerinurse.2022.04.014)] [Medline: [35606212](#)]
6. Sun X, Yan W, Zhou H, Wang Z, Zhang X, Huang S, et al. Internet use and need for digital health technology among the elderly: a cross-sectional survey in China. *BMC Public Health*. Sep 11, 2020;20(1):1386. [[FREE Full text](#)] [doi: [10.1186/s12889-020-09448-0](https://doi.org/10.1186/s12889-020-09448-0)] [Medline: [32917171](#)]
7. Scott Kruse C, Karem P, Shifflett K, Vegi L, Ravi K, Brooks M. Evaluating barriers to adopting telemedicine worldwide: a systematic review. *J Telemed Telecare*. Jan 2018;24(1):4-12. [[FREE Full text](#)] [doi: [10.1177/1357633X16674087](https://doi.org/10.1177/1357633X16674087)] [Medline: [29320966](#)]
8. Klaver NS, van de Klundert J, van den Broek RJGM, Askari M. Relationship between perceived risks of using mHealth applications and the intention to use them among older adults in the Netherlands: cross-sectional study. *JMIR Mhealth Uhealth*. Aug 30, 2021;9(8):e26845. [[FREE Full text](#)] [doi: [10.2196/26845](https://doi.org/10.2196/26845)] [Medline: [34459745](#)]
9. Palas JU, Sorwar G, Hoque MR, Sivabalan A. Factors influencing the elderly's adoption of mHealth: an empirical study using extended UTAUT2 model. *BMC Med Inform Decis Mak*. Jul 24, 2022;22(1):191. [[FREE Full text](#)] [doi: [10.1186/s12911-022-01917-3](https://doi.org/10.1186/s12911-022-01917-3)] [Medline: [35871682](#)]
10. Maxham JG. Service recovery's influence on consumer satisfaction, positive word-of-mouth, and purchase intentions. *Journal of Business Research*. Oct 2001;54(1):11-24. [doi: [10.1016/s0148-2963\(00\)00114-4](https://doi.org/10.1016/s0148-2963(00)00114-4)]
11. Ma Y, Luo M. Older people's intention to use medical apps during the COVID-19 pandemic in China: an application of the Unified Theory of Acceptance and Use of Technology (UTAUT) model and the Technology of Acceptance Model (TAM). *Ageing and Society*. Oct 17, 2022;44(7):1515-1532. [doi: [10.1017/s0144686x22000423](https://doi.org/10.1017/s0144686x22000423)]
12. Tu J, Luo SC, Lee Y, Shih M, Chiu S. Exploring usability and patient attitude towards a smart hospital service with the Technology Acceptance Model. *Int J Environ Res Public Health*. May 16, 2022;19(10):6059. [[FREE Full text](#)] [doi: [10.3390/ijerph19106059](https://doi.org/10.3390/ijerph19106059)] [Medline: [35627595](#)]
13. Fu Y, Tang T, Long J, Lin B, Li J, Quan G, et al. Factors associated with using the internet for medical information based on the doctor-patient trust model: a cross-sectional study. *BMC Health Serv Res*. Nov 24, 2021;21(1):1268. [[FREE Full text](#)] [doi: [10.1186/s12913-021-07283-6](https://doi.org/10.1186/s12913-021-07283-6)] [Medline: [34819044](#)]
14. Ren D, Ma B. Effectiveness of interactive tools in online health care communities: social exchange theory perspective. *J Med Internet Res*. Mar 12, 2021;23(3):e21892. [[FREE Full text](#)] [doi: [10.2196/21892](https://doi.org/10.2196/21892)] [Medline: [33709940](#)]
15. Ren D, Ma B. Influences of governance mechanisms on patients' usage intention: a study on web-based consultation platforms. *Health Informatics J*. 2023;29(1):14604582231153509. [[FREE Full text](#)] [doi: [10.1177/14604582231153509](https://doi.org/10.1177/14604582231153509)] [Medline: [36657942](#)]
16. Mansson L, Wiklund M, Öhberg F, Danielsson K, Sandlund M. Co-creation with older adults to improve user-experience of a smartphone self-test application to assess balance function. *Int J Environ Res Public Health*. May 26, 2020;17(11):3768. [[FREE Full text](#)] [doi: [10.3390/ijerph17113768](https://doi.org/10.3390/ijerph17113768)] [Medline: [32466484](#)]
17. Askari M, Klaver NS, van Gestel TJ, van de Klundert J. Intention to use medical apps among older adults in the Netherlands: cross-sectional study. *J Med Internet Res*. Sep 04, 2020;22(9):e18080. [[FREE Full text](#)] [doi: [10.2196/18080](https://doi.org/10.2196/18080)] [Medline: [32624465](#)]
18. Morgan SP, Hiroshima K. The persistence of extended family residence in Japan: anachronism or alternative strategy? *American Sociological Review*. Apr 1983;48(2):269-281. [doi: [10.2307/2095111](https://doi.org/10.2307/2095111)]
19. Chen J, Jordan LP. Intergenerational support and life satisfaction of young-, old- and oldest-old adults in China. *Ageing Ment Health*. Mar 2018;22(3):412-420. [doi: [10.1080/13607863.2016.1261798](https://doi.org/10.1080/13607863.2016.1261798)] [Medline: [27918203](#)]
20. Kim SD. Application and challenges of the technology acceptance model in elderly healthcare: insights from ChatGPT. *Technologies*. May 13, 2024;12(5):68. [doi: [10.3390/technologies12050068](https://doi.org/10.3390/technologies12050068)]
21. McGaughey RE, Zeltmann SM, McMurtrey ME. Motivations and obstacles to smartphone use by the elderly: developing a research framework. *IJEF*. 2013;7(3/4):177. [doi: [10.1504/ijef.2013.058601](https://doi.org/10.1504/ijef.2013.058601)]
22. Yuan Z, Jia G. Profiling the digital divide of the elderly based on internet big data: evidence from China. *Data Science and Management*. Sep 2021;3:33-43. [doi: [10.1016/j.dsm.2021.10.001](https://doi.org/10.1016/j.dsm.2021.10.001)]
23. Almulhem JA. Factors, barriers, and recommendations related to mobile health acceptance among the elderly in Saudi Arabia: a qualitative study. *Healthcare (Basel)*. Nov 23, 2023;11(23):3024. [doi: [10.3390/healthcare11233024](https://doi.org/10.3390/healthcare11233024)] [Medline: [38063592](#)]
24. Wang J, Katz I, Li J, Wu Q, Dai C. Mobile digital divide and older people's access to 'Internet plus social work': implications from the COVID-19 help-seeking cases. *Asia Pacific Journal of Social Work and Development*. Nov 26, 2020;31(1-2):52-58. [doi: [10.1080/02185385.2020.1850332](https://doi.org/10.1080/02185385.2020.1850332)]
25. Sharifi S, Babaei Khorzoughi K, Khaledi-Paveh B, Rahmati M. Association of intergenerational relationship and supports with cognitive performance in older adults: a systematic review. *Geriatr Nurs*. 2023;52:146-151. [doi: [10.1016/j.gerinurse.2023.05.014](https://doi.org/10.1016/j.gerinurse.2023.05.014)] [Medline: [37307634](#)]
26. Wei D, Xu A, Wu X. The mediating effect of trust on the relationship between doctor-patient communication and patients' risk perception during treatment. *Psych J*. Jun 2020;9(3):383-391. [doi: [10.1002/pchj.327](https://doi.org/10.1002/pchj.327)] [Medline: [31795011](#)]
27. Lee OE, Kim D. Bridging the digital divide for older adults via intergenerational mentor-up. *Research on Social Work Practice*. Nov 05, 2018;29(7):786-795. [doi: [10.1177/1049731518810798](https://doi.org/10.1177/1049731518810798)]

28. Ma T, Zhang S, Zhu S, Ni J, Wu Q, Liu M. The new role of nursing in digital inclusion: reflections on smartphone use and willingness to increase digital skills among Chinese older adults. *Geriatr Nurs*. 2022;48:118-126. [FREE Full text] [doi: [10.1016/j.gerinurse.2022.09.004](https://doi.org/10.1016/j.gerinurse.2022.09.004)] [Medline: [36155310](https://pubmed.ncbi.nlm.nih.gov/36155310/)]
29. Pan Z, Chen J. Association of received intergenerational support with subjective well-being among elderly: the mediating role of optimism and sex differences. *Int J Environ Res Public Health*. Jun 22, 2022;19(13):7614. [FREE Full text] [doi: [10.3390/ijerph19137614](https://doi.org/10.3390/ijerph19137614)] [Medline: [35805273](https://pubmed.ncbi.nlm.nih.gov/35805273/)]
30. Li H, Kostka G. Navigating the digital age: the gray digital divide and digital inclusion in China. *Media, Culture & Society*. Feb 21, 2024;46(6):1181-1199. [doi: [10.1177/01634437241229382](https://doi.org/10.1177/01634437241229382)]
31. Yeh K, Yi C, Tsao W, Wan P. Filial piety in contemporary Chinese societies: a comparative study of Taiwan, Hong Kong, and China. *International Sociology*. May 14, 2013;28(3):277-296. [doi: [10.1177/0268580913484345](https://doi.org/10.1177/0268580913484345)]
32. Correa T. Bottom-up technology transmission within families: exploring how youths influence their parents' digital media use with dyadic data. *J Commun*. Dec 02, 2013;64(1):103-124. [doi: [10.1111/jcom.12067](https://doi.org/10.1111/jcom.12067)]
33. Ekström KM. Parental consumer learning or 'keeping up with the children'. *J of Consumer Behaviour*. Sep 13, 2007;6(4):203-217. [doi: [10.1002/cb.215](https://doi.org/10.1002/cb.215)]
34. Ma J, Fang G, Guo K. Bridging the digital divide: the influence of digital feedback on the digital capabilities of the rural elderly. *Information Development*. Dec 28, 2023;39:02666669231222208. [doi: [10.1177/02666669231222208](https://doi.org/10.1177/02666669231222208)]
35. Davis FD. Perceived usefulness, perceived ease of use, and user acceptance of information technology. *MIS Quarterly*. Sep 1989;13(3):319. [doi: [10.2307/249008](https://doi.org/10.2307/249008)]
36. Harrigan M, Feddema K, Wang S, Harrigan P, Diot E. How trust leads to online purchase intention founded in perceived usefulness and peer communication. *J of Consumer Behaviour*. Mar 03, 2021;20(5):1297-1312. [doi: [10.1002/cb.1936](https://doi.org/10.1002/cb.1936)]
37. Acharya N, Sassenberg A, Soar J. Consumers' behavioural intentions to reuse recommender systems: assessing the effects of trust propensity, trusting beliefs and perceived usefulness. *JTAER*. Dec 22, 2022;18(1):55-78. [doi: [10.3390/jtaer18010004](https://doi.org/10.3390/jtaer18010004)]
38. Martínez-Navalón J, Fernández-Fernández M, Alberto FP. Does privacy and ease of use influence user trust in digital banking applications in Spain and Portugal? *Int Entrep Manag J*. Feb 22, 2023;19(2):781-803. [doi: [10.1007/s11365-023-00839-4](https://doi.org/10.1007/s11365-023-00839-4)]
39. Kim Y, Park Y, Choi J. A study on the adoption of IoT smart home service: using value-based adoption model. *Total Quality Management & Business Excellence*. Apr 12, 2017;28(9-10):1149-1165. [doi: [10.1080/14783363.2017.1310708](https://doi.org/10.1080/14783363.2017.1310708)]
40. Stone R, Baker Eveleth L. User's perceptions of perceived usefulness, satisfaction, and intentions of mobile application. *IJMC*. 2020;18(1):1-18. [doi: [10.1504/ijmc.2020.10025192](https://doi.org/10.1504/ijmc.2020.10025192)]
41. Naidoo R, Leonard A. Perceived usefulness, service quality and loyalty incentives: effects on electronic service continuance. *SAJBM*. Sep 30, 2007;38(3):39-48. [doi: [10.4102/sajbm.v38i3.587](https://doi.org/10.4102/sajbm.v38i3.587)]
42. Wu B. Patient continued use of online health care communities: web mining of patient-doctor communication. *J Med Internet Res*. Apr 16, 2018;20(4):e126. [FREE Full text] [doi: [10.2196/jmir.9127](https://doi.org/10.2196/jmir.9127)] [Medline: [29661747](https://pubmed.ncbi.nlm.nih.gov/29661747/)]
43. Chen Y, Xu Q. The willingness to use mobile health and its influencing factors among elderly patients with chronic heart failure in Shanghai, China. *Int J Med Inform*. Dec 16, 2021;158:104656. [doi: [10.1016/j.ijmedinf.2021.104656](https://doi.org/10.1016/j.ijmedinf.2021.104656)] [Medline: [34933173](https://pubmed.ncbi.nlm.nih.gov/34933173/)]
44. Schoorman FD, Mayer RC, Davis JH. An integrative model of organizational trust: past, present, and future. *AMR*. Apr 2007;32(2):344-354. [doi: [10.5465/amr.2007.24348410](https://doi.org/10.5465/amr.2007.24348410)]
45. Doney PM, Cannon JP. An examination of the nature of trust in buyer-seller relationships. *Journal of Marketing*. Apr 1997;61(2):35-51. [doi: [10.2307/1251829](https://doi.org/10.2307/1251829)]
46. Bu W, Xing L, Xiao M, Chang P, Du Y, Xie H. A survey on the willingness of Ganzhou residents to participate in "internet + nursing services" and associated factors. *J Multidiscip Healthc*. 2022;15:897-906. [FREE Full text] [doi: [10.2147/JMDH.S351071](https://doi.org/10.2147/JMDH.S351071)] [Medline: [35509727](https://pubmed.ncbi.nlm.nih.gov/35509727/)]
47. Zulman DM, Kirch M, Zheng K, An LC. Trust in the internet as a health resource among older adults: analysis of data from a nationally representative survey. *J Med Internet Res*. Feb 16, 2011;13(1):e19. [FREE Full text] [doi: [10.2196/jmir.1552](https://doi.org/10.2196/jmir.1552)] [Medline: [21324832](https://pubmed.ncbi.nlm.nih.gov/21324832/)]
48. Roshandel D, Rezailashkajani M, Ansari S, Zali MR. Internet use by a referral gastroenterology clinic population and their medical information preferences. *Int J Med Inform*. Jul 2005;74(6):447-459. [doi: [10.1016/j.ijmedinf.2005.05.003](https://doi.org/10.1016/j.ijmedinf.2005.05.003)] [Medline: [15963757](https://pubmed.ncbi.nlm.nih.gov/15963757/)]
49. Diaz JA, Griffith RA, Ng JJ, Reinert SE, Friedmann PD, Moulton AW. Patients' use of the internet for medical information. *J Gen Intern Med*. Mar 2002;17(3):180-185. [FREE Full text] [doi: [10.1046/j.1525-1497.2002.10603.x](https://doi.org/10.1046/j.1525-1497.2002.10603.x)] [Medline: [11929503](https://pubmed.ncbi.nlm.nih.gov/11929503/)]
50. Smith AD, Manna DR. Exploring the trust factor in e - medicine. *Online Information Review*. Oct 2004;28(5):346-355. [doi: [10.1108/14684520410564271](https://doi.org/10.1108/14684520410564271)]
51. Tennant B, Stelfox M, Dodd V, Chaney B, Chaney D, Paige S, et al. eHealth literacy and Web 2.0 health information seeking behaviors among baby boomers and older adults. *J Med Internet Res*. Mar 17, 2015;17(3):e70. [FREE Full text] [doi: [10.2196/jmir.3992](https://doi.org/10.2196/jmir.3992)] [Medline: [25783036](https://pubmed.ncbi.nlm.nih.gov/25783036/)]
52. Neter E, Brainin E. eHealth literacy: extending the digital divide to the realm of health information. *J Med Internet Res*. Jan 27, 2012;14(1):e19. [FREE Full text] [doi: [10.2196/jmir.1619](https://doi.org/10.2196/jmir.1619)] [Medline: [22357448](https://pubmed.ncbi.nlm.nih.gov/22357448/)]

53. Peng Y, Yin P, Deng Z, Wang R. Patient-physician interaction and trust in online health community: the role of perceived usefulness of health information and services. *Int J Environ Res Public Health*. Dec 24, 2019;17(1):139. [FREE Full text] [doi: [10.3390/ijerph17010139](https://doi.org/10.3390/ijerph17010139)] [Medline: [31878145](https://pubmed.ncbi.nlm.nih.gov/31878145/)]
54. Norman CD, Skinner HA. eHealth literacy: essential skills for consumer health in a networked world. *J Med Internet Res*. Jun 16, 2006;8(2):e9. [FREE Full text] [doi: [10.2196/jmir.8.2.e9](https://doi.org/10.2196/jmir.8.2.e9)] [Medline: [16867972](https://pubmed.ncbi.nlm.nih.gov/16867972/)]
55. Jung SO, Son YH, Choi E. E-health literacy in older adults: an evolutionary concept analysis. *BMC Med Inform Decis Mak*. Jan 31, 2022;22(1):28. [FREE Full text] [doi: [10.1186/s12911-022-01761-5](https://doi.org/10.1186/s12911-022-01761-5)] [Medline: [35101005](https://pubmed.ncbi.nlm.nih.gov/35101005/)]
56. Norman C. eHealth literacy 2.0: problems and opportunities with an evolving concept. *J Med Internet Res*. Dec 23, 2011;13(4):e125. [FREE Full text] [doi: [10.2196/jmir.2035](https://doi.org/10.2196/jmir.2035)] [Medline: [22193243](https://pubmed.ncbi.nlm.nih.gov/22193243/)]
57. Lanxin W, Yan Z, Yutong T, Lixue M, Li L, Ting Z. Potential profiling of self-management skills in older co-morbid patients. *BMC Geriatr*. Jun 25, 2024;24(1):555. [FREE Full text] [doi: [10.1186/s12877-024-05137-4](https://doi.org/10.1186/s12877-024-05137-4)] [Medline: [38918703](https://pubmed.ncbi.nlm.nih.gov/38918703/)]
58. Liu S, Zhao H, Fu J, Kong D, Zhong Z, Hong Y, et al. Current status and influencing factors of digital health literacy among community-dwelling older adults in Southwest China: a cross-sectional study. *BMC Public Health*. May 17, 2022;22(1):996. [doi: [10.1186/s12889-022-13378-4](https://doi.org/10.1186/s12889-022-13378-4)] [Medline: [35581565](https://pubmed.ncbi.nlm.nih.gov/35581565/)]
59. Arora S, Huda RK, Verma S, Khetan M, Sangwan RK. Challenges, barriers, and facilitators in telemedicine implementation in India: a scoping review. *Cureus*. Aug 2024;16(8):e67388. [doi: [10.7759/cureus.67388](https://doi.org/10.7759/cureus.67388)] [Medline: [39310647](https://pubmed.ncbi.nlm.nih.gov/39310647/)]
60. Wong AKC, Bayuo J, Wong FKY. Investigating predictors of self-care behavior among homebound older adults: the role of self-efficacy, eHealth literacy, and perceived social support. *J Nurs Scholarsh*. May 2022;54(3):278-285. [doi: [10.1111/jnu.12730](https://doi.org/10.1111/jnu.12730)] [Medline: [34766694](https://pubmed.ncbi.nlm.nih.gov/34766694/)]
61. Hsu W, Chiang C, Yang S. The effect of individual factors on health behaviors among college students: the mediating effects of eHealth literacy. *J Med Internet Res*. Dec 12, 2014;16(12):e287. [FREE Full text] [doi: [10.2196/jmir.3542](https://doi.org/10.2196/jmir.3542)] [Medline: [25499086](https://pubmed.ncbi.nlm.nih.gov/25499086/)]
62. Lang FR, Schütze Y. Adult children's supportive behaviors and older parents' subjective well-being—a developmental perspective on intergenerational relationships. *Journal of Social Issues*. Feb 12, 2003;58(4):661-680. [doi: [10.1111/1540-4560.00283](https://doi.org/10.1111/1540-4560.00283)]
63. Bland JM, Altman DG. Cronbach's alpha. *BMJ*. Feb 22, 1997;314(7080):572. [FREE Full text] [doi: [10.1136/bmj.314.7080.572](https://doi.org/10.1136/bmj.314.7080.572)] [Medline: [9055718](https://pubmed.ncbi.nlm.nih.gov/9055718/)]
64. de Boer MJ, Versteegen GJ, van Wijhe M. Patients' use of the internet for pain-related medical information. *Patient Educ Couns*. Sep 2007;68(1):86-97. [doi: [10.1016/j.pec.2007.05.012](https://doi.org/10.1016/j.pec.2007.05.012)] [Medline: [17590563](https://pubmed.ncbi.nlm.nih.gov/17590563/)]
65. Fogel J, Nehmad E. Internet social network communities: risk taking, trust, and privacy concerns. *Computers in Human Behavior*. Jan 2009;25(1):153-160. [doi: [10.1016/j.chb.2008.08.006](https://doi.org/10.1016/j.chb.2008.08.006)]
66. Deng Z, Hong Z, Ren C, Zhang W, Xiang F. What predicts patients' adoption intention toward mHealth services in China: empirical study. *JMIR Mhealth Uhealth*. Aug 29, 2018;6(8):e172. [FREE Full text] [doi: [10.2196/mhealth.9316](https://doi.org/10.2196/mhealth.9316)] [Medline: [30158101](https://pubmed.ncbi.nlm.nih.gov/30158101/)]
67. Norman CD, Skinner HA. eHEALS: The eHealth Literacy Scale. *J Med Internet Res*. Nov 14, 2006;8(4):e27. [FREE Full text] [doi: [10.2196/jmir.8.4.e27](https://doi.org/10.2196/jmir.8.4.e27)] [Medline: [17213046](https://pubmed.ncbi.nlm.nih.gov/17213046/)]
68. Hu L, Bentler PM. Cutoff criteria for fit indexes in covariance structure analysis: conventional criteria versus new alternatives. *Structural Equation Modeling: A Multidisciplinary Journal*. Jan 1999;6(1):1-55. [doi: [10.1080/10705519909540118](https://doi.org/10.1080/10705519909540118)]
69. Kline R. Principles and Practice of Structural Equation Modeling. New York, NY. Guilford Publications; 2023.
70. Bagozzi RP, Yi Y. On the evaluation of structural equation models. *JAMS*. Mar 1988;16(1):74-94. [doi: [10.1007/bf02723327](https://doi.org/10.1007/bf02723327)]
71. Hair J. Multivariate Data Analysis. 7th edition. London, UK. Pearson Prentice Hall; Feb 23, 2009.
72. Fornell C, Larcker DF. Evaluating structural equation models with unobservable variables and measurement error. *Journal of Marketing Research*. Feb 1981;18(1):39. [doi: [10.2307/3151312](https://doi.org/10.2307/3151312)]
73. Peine A, Neven L. From intervention to co-constitution: new directions in theorizing about aging and technology. *Gerontologist*. Jan 09, 2019;59(1):15-21. [doi: [10.1093/geront/gny050](https://doi.org/10.1093/geront/gny050)] [Medline: [29850812](https://pubmed.ncbi.nlm.nih.gov/29850812/)]
74. Bakhtiar M, Elbuluk N, Lipoff JB. The digital divide: how COVID-19's telemedicine expansion could exacerbate disparities. *J Am Acad Dermatol*. Nov 2020;83(5):e345-e346. [FREE Full text] [doi: [10.1016/j.jaad.2020.07.043](https://doi.org/10.1016/j.jaad.2020.07.043)] [Medline: [32682890](https://pubmed.ncbi.nlm.nih.gov/32682890/)]
75. Hsieh M, Ho C, Lee I. Effects of smartphone numeric keypad designs on performance and satisfaction of elderly users. *International Journal of Industrial Ergonomics*. Jan 2022;87:103236. [doi: [10.1016/j.ergon.2021.103236](https://doi.org/10.1016/j.ergon.2021.103236)]
76. Caspi A, Daniel M, Kavé G. Technology makes older adults feel older. *Aging Ment Health*. Aug 2019;23(8):1025-1030. [doi: [10.1080/13607863.2018.1479834](https://doi.org/10.1080/13607863.2018.1479834)] [Medline: [30475067](https://pubmed.ncbi.nlm.nih.gov/30475067/)]
77. Liu L, Wu F, Tong H, Hao C, Xie T. The digital divide and active aging in China. *Int J Environ Res Public Health*. Dec 01, 2021;18(23):12675. [FREE Full text] [doi: [10.3390/ijerph182312675](https://doi.org/10.3390/ijerph182312675)] [Medline: [34886400](https://pubmed.ncbi.nlm.nih.gov/34886400/)]
78. Amaral I, Daniel F. The use of social media among senior citizens in Portugal: active ageing through an intergeneration approach. Las Vegas, NV. Champringer International Publishing; 2018. Presented at: 4th International Conference, ITAP 2018, Held as Part of HCI International 2018; July 15-20, 2018:422-434; Las Vegas, NV. [doi: [10.1007/978-3-319-92034-4_32](https://doi.org/10.1007/978-3-319-92034-4_32)]

79. Martínez C, Olsson T. The warm expert—a warm teacher? Learning about digital media in intergenerational interaction. *Convergence: The International Journal of Research into New Media Technologies*. Feb 03, 2022;28(6):1861-1877. [doi: [10.1177/13548565211070409](https://doi.org/10.1177/13548565211070409)]
80. Li Y, Guo M. Filial piety matters: a study of intergenerational supports and parental health. *SSM Popul Health*. Jun 2022;18:101096. [FREE Full text] [doi: [10.1016/j.ssmph.2022.101096](https://doi.org/10.1016/j.ssmph.2022.101096)] [Medline: [35493409](https://pubmed.ncbi.nlm.nih.gov/35493409/)]
81. Zhou C, Qian Y, Kaner J. A study on smart home use intention of elderly consumers based on technology acceptance models. *PLoS One*. 2024;19(3):e0300574. [FREE Full text] [doi: [10.1371/journal.pone.0300574](https://doi.org/10.1371/journal.pone.0300574)] [Medline: [38536849](https://pubmed.ncbi.nlm.nih.gov/38536849/)]
82. Wang J, Fu Y, Lou V, Tan SY, Chui E. A systematic review of factors influencing attitudes towards and intention to use the long-distance caregiving technologies for older adults. *Int J Med Inform*. Sep 2021;153:104536. [doi: [10.1016/j.ijmedinf.2021.104536](https://doi.org/10.1016/j.ijmedinf.2021.104536)] [Medline: [34325206](https://pubmed.ncbi.nlm.nih.gov/34325206/)]
83. Thom DH, Stanford Trust Study Physicians. Physician behaviors that predict patient trust. *J Fam Pract*. Apr 2001;50(4):323-328. [Medline: [11300984](https://pubmed.ncbi.nlm.nih.gov/11300984/)]
84. Cao X, Zhang H, Zhou B, Wang D, Cui C, Bai X. Factors influencing older adults' acceptance of voice assistants. *Front Psychol*. Mar 07, 2024;15(2):1376207. [doi: [10.3389/fpsyg.2024.1376207](https://doi.org/10.3389/fpsyg.2024.1376207)] [Medline: [38515974](https://pubmed.ncbi.nlm.nih.gov/38515974/)]
85. Zhang X, Yan X, Cao X, Sun Y, Chen H, She J. The role of perceived e-health literacy in users' continuance intention to use mobile healthcare applications: an exploratory empirical study in China. *Information Technology for Development*. Mar 09, 2017;24(2):198-223. [doi: [10.1080/02681102.2017.1283286](https://doi.org/10.1080/02681102.2017.1283286)]
86. Joshi K. A model of users' perspective on change: the case of information systems technology implementation. *MIS Quarterly*. Jun 1991;15(2):229-242. [doi: [10.2307/249384](https://doi.org/10.2307/249384)]
87. Rai A, Chen L, Pye J, Baird A. Understanding determinants of consumer mobile health usage intentions, assimilation, and channel preferences. *J Med Internet Res*. Aug 02, 2013;15(8):e149. [FREE Full text] [doi: [10.2196/jmir.2635](https://doi.org/10.2196/jmir.2635)] [Medline: [23912839](https://pubmed.ncbi.nlm.nih.gov/23912839/)]
88. Suka M, Yamauchi T, Sugimori H. Help-seeking intentions for early signs of mental illness and their associated factors: comparison across four kinds of health problems. *BMC Public Health*. Apr 07, 2016;16:301. [FREE Full text] [doi: [10.1186/s12889-016-2998-9](https://doi.org/10.1186/s12889-016-2998-9)] [Medline: [27056546](https://pubmed.ncbi.nlm.nih.gov/27056546/)]
89. Xie B. Older adults' health information wants in the internet age: implications for patient-provider relationships. *J Health Commun*. Sep 2009;14(6):510-524. [doi: [10.1080/10810730903089614](https://doi.org/10.1080/10810730903089614)] [Medline: [19731124](https://pubmed.ncbi.nlm.nih.gov/19731124/)]
90. Waterworth S, Honey M. On-line health seeking activity of older adults: an integrative review of the literature. *Geriatr Nurs*. 2018;39(3):310-317. [doi: [10.1016/j.gerinurse.2017.10.016](https://doi.org/10.1016/j.gerinurse.2017.10.016)] [Medline: [29198622](https://pubmed.ncbi.nlm.nih.gov/29198622/)]
91. Campbell RJ, Nolfi DA. Teaching elderly adults to use the internet to access health care information: before-after study. *J Med Internet Res*. Jun 30, 2005;7(2):e19. [FREE Full text] [doi: [10.2196/jmir.7.2.e19](https://doi.org/10.2196/jmir.7.2.e19)] [Medline: [15998610](https://pubmed.ncbi.nlm.nih.gov/15998610/)]
92. Nie L, Oldenburg B, Cao Y, Ren W. Continuous usage intention of mobile health services: model construction and validation. *BMC Health Serv Res*. May 05, 2023;23(1):442. [FREE Full text] [doi: [10.1186/s12913-023-09393-9](https://doi.org/10.1186/s12913-023-09393-9)] [Medline: [37143005](https://pubmed.ncbi.nlm.nih.gov/37143005/)]
93. Stellefson M, Paige SR, Tennant B, Alber JM, Chaney BH, Chaney D, et al. Reliability and validity of the telephone-based eHealth literacy scale among older adults: cross-sectional survey. *J Med Internet Res*. Oct 26, 2017;19(10):e362. [FREE Full text] [doi: [10.2196/jmir.8481](https://doi.org/10.2196/jmir.8481)] [Medline: [29074471](https://pubmed.ncbi.nlm.nih.gov/29074471/)]
94. Yuan Y, Wang S, Tao C, Gu Z, Kitayama A, Yanagihara K, et al. Mapping trends and hotspots regarding the use of telenursing for elderly individuals with chronic diseases: a bibliometric analysis. *Medicine (Baltimore)*. Mar 01, 2024;103(9):e37313. [FREE Full text] [doi: [10.1097/MD.00000000000037313](https://doi.org/10.1097/MD.00000000000037313)] [Medline: [38428870](https://pubmed.ncbi.nlm.nih.gov/38428870/)]
95. Bundorf MK, Wagner TH, Singer SJ, Baker LC. Who searches the internet for health information? *Health Serv Res*. Jun 2006;41(3 Pt 1):819-836. [FREE Full text] [doi: [10.1111/j.1475-6773.2006.00510.x](https://doi.org/10.1111/j.1475-6773.2006.00510.x)] [Medline: [16704514](https://pubmed.ncbi.nlm.nih.gov/16704514/)]
96. Chen Y, Li C, Liang J, Tsai C. Health information obtained from the internet and changes in medical decision making: questionnaire development and cross-sectional survey. *J Med Internet Res*. Feb 12, 2018;20(2):e47. [FREE Full text] [doi: [10.2196/jmir.9370](https://doi.org/10.2196/jmir.9370)] [Medline: [29434017](https://pubmed.ncbi.nlm.nih.gov/29434017/)]
97. Dutta-Bergman MJ. Health attitudes, health cognitions, and health behaviors among internet health information seekers: population-based survey. *J Med Internet Res*. May 28, 2004;6(2):e15. [FREE Full text] [doi: [10.2196/jmir.6.2.e15](https://doi.org/10.2196/jmir.6.2.e15)] [Medline: [15249264](https://pubmed.ncbi.nlm.nih.gov/15249264/)]
98. Sassenberg K, Greving H. Internet searching about disease elicits a positive perception of own health when severity of illness is high: a longitudinal questionnaire study. *J Med Internet Res*. Mar 04, 2016;18(3):e56. [FREE Full text] [doi: [10.2196/jmir.5140](https://doi.org/10.2196/jmir.5140)] [Medline: [26944335](https://pubmed.ncbi.nlm.nih.gov/26944335/)]
99. Amini R, Chee KH, Mendieta M, Parker S. Online engagement and cognitive function among older adults. *Geriatr Gerontol Int*. Sep 2019;19(9):918-923. [FREE Full text] [doi: [10.1111/ggi.13749](https://doi.org/10.1111/ggi.13749)] [Medline: [31368165](https://pubmed.ncbi.nlm.nih.gov/31368165/)]
100. Cheng C, Beauchamp A, Elsworth GR, Osborne RH. Applying the electronic health literacy lens: systematic review of electronic health interventions targeted at socially disadvantaged groups. *J Med Internet Res*. Aug 13, 2020;22(8):e18476. [FREE Full text] [doi: [10.2196/18476](https://doi.org/10.2196/18476)] [Medline: [32788144](https://pubmed.ncbi.nlm.nih.gov/32788144/)]

Abbreviations

AGFI: adjusted goodness of fit index

CFA: confirmatory factor analysis
CFI: comparative fit index
eHL: eHealth literacy
GFI: goodness of fit index
IFI: incremental fit index
KMO: Kaiser-Meier-Olkin
mHealth: mobile health
NNFI: nonnormed fit index
OMI: online medical information
PEOU: perceived ease of use
PU: perceived usefulness
RMSEA: root mean square error of approximation
SMCI: intention to seek medical care on the internet

Edited by A Schwartz; submitted 04.08.24; peer-reviewed by X Zou, Y Liu; comments to author 07.10.24; revised version received 28.10.24; accepted 29.11.24; published 06.01.25

Please cite as:

Jin H, Qu Y

Association Between Intergenerational Support, Technology Perception and Trust, and Intention to Seek Medical Care on the Internet Among Chinese Older Adults: Cross-Sectional Questionnaire Study

J Med Internet Res 2025;27:e65065

URL: <https://www.jmir.org/2025/1/e65065>

doi: [10.2196/65065](https://doi.org/10.2196/65065)

PMID:

©Hengjiang Jin, Ying Qu. Originally published in the Journal of Medical Internet Research (<https://www.jmir.org>), 06.01.2025. This is an open-access article distributed under the terms of the Creative Commons Attribution License (<https://creativecommons.org/licenses/by/4.0/>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work, first published in the Journal of Medical Internet Research (ISSN 1438-8871), is properly cited. The complete bibliographic information, a link to the original publication on <https://www.jmir.org/>, as well as this copyright and license information must be included.