









"I Never Imagined Grandma Could Do So Well with Technology": Evolving Roles of Younger Family Members in Older Adults' Technology Learning and Use

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Introduction







Older adults often face challenges in technology learning and use because of digital illiteracy, declines in physical and cognitive abilities, etc. [Pang et al., 2022; Leung et al., 2012]

Younger family members are one of the major support sources of older adults [Hunsaker et al., 2019; Portz et al., 2019] Family support is often challenging because of difficulties in teaching, disagreements on technology use, etc. [Portz et al., 2019; Luijkx et al., 2015; Xie, 2007]

Research Question

Unpacking the family dynamics: How do younger family members support older adults' technology learning over the long term?

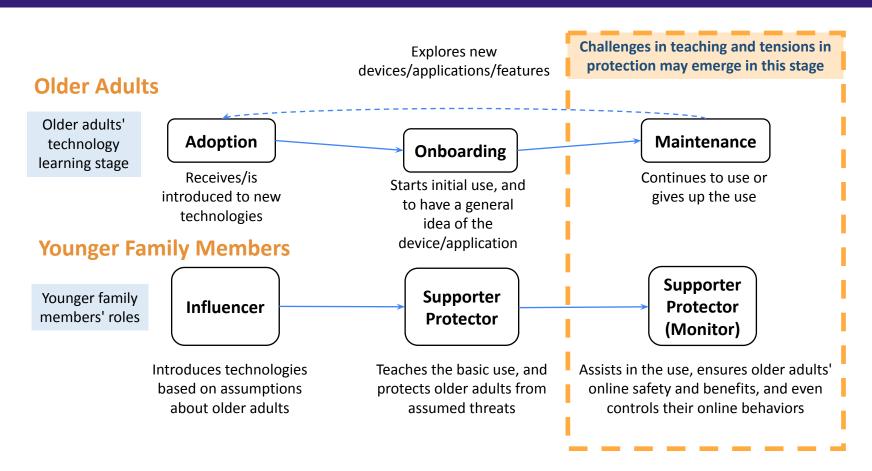


Method

- one-on-one semi-structured interviews with
 20 older adults and 18 younger adults in China, including 9 families
- demographic information:
 - older adults: 12 female, Age 61-88 (Mean = 71.15);
 - \circ younger adults: 11 female, Age 22-52 (Mean = 34.27)



Family Support Pattern



Stage 1: Adoption

 introducing and teaching technology to older adults based on assumptions about aging

"Older adults had better enjoy a simple life. The simpler, the better. Older adults can use smartphones for shopping and watching online videos, but they don't have to use phones with too advanced functions." (Y8)



Stage 2: Onboarding

 teaching in the context of assumed difficulties

"It was much easier than I had anticipated when I first began teaching her... My grandmother is eager to learn, which was beyond my expectations, though it was still not as quick as I had hoped. I expected her to be unable to understand after one or two years, but she was able to use the smartphone after only two or three months." (Y12)

 creating a safety net for older adults by simplifying the use and selecting applications for older adults carefully

"Older adults don't have to know too much information; they don't need it. They can get what they need through trustworthy sources, like television, instead of reading online information." (Y8)





Stage 3: Maintenance

 teaching strategies need to evolve (because of older adults' forgetfulness and digital illiteracy)

"My grandfather cannot understand what home button is, and I need to work hard to explore a more childish way of teaching." (Y7) • impatience in teaching

"I will not ask my son for help... If I ask him again, he'll say something like, "Older adults don't have to learn [to use technology]; [my teaching is meaningless because] you can't understand what I'm saying." (O7)





Stage 3: Maintenance

- younger adults would adjust their perceptions of older adults because many older adults are far more active online than they assumed
- tensions may result from their desires for protection; younger adults would regularly check and even control older adults' technology use

"I was surprised to see that my father had Alipay on his phone. I guessed it might have been downloaded when he went to his bank, and I immediately made a complaint against the bank. How can they fudge older adults for profits? I deleted Alipay and unbound his cards in WeChat Wallet. My father doesn't have a full understanding of these services, and he often didn't know what he did in the application." (Y1)



"Xiao/XiaoShun" - Filial Piety

 Filial piety as a cultural factor that can buffer burdens and tensions in family support, i.e., respect, obedience, and care towards older family members*

"I told myself this (the checking and controlling behavior of her daughter) is "xiaoshun" from my daughter. Actually, I have nothing to hide on my phone. If she can help me identify misconduct online, that would be beneficial." (O8)



^{* &}quot;xiaoshun" usually represents an authoritative hierarchical parent-child relationship, rather than an equal and reciprocal relationship centered around care between two individuals [Yeh and Bedford, 2003]

Takeaways

Let us treat older adults' technology learning as a collaborative activity.

- Older adults' technology learning is a recurrent, dynamic, and evolving process that needs long-term and stage-based care.
- We draw attention to filial piety as an important cultural context that shapes a unique family support pattern in China (and similar cultures), which is different from the Western model emphasizing older adults' preference towards independent learning [Pang et al., 2021; Leung et al., 2012].













Thank you!

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