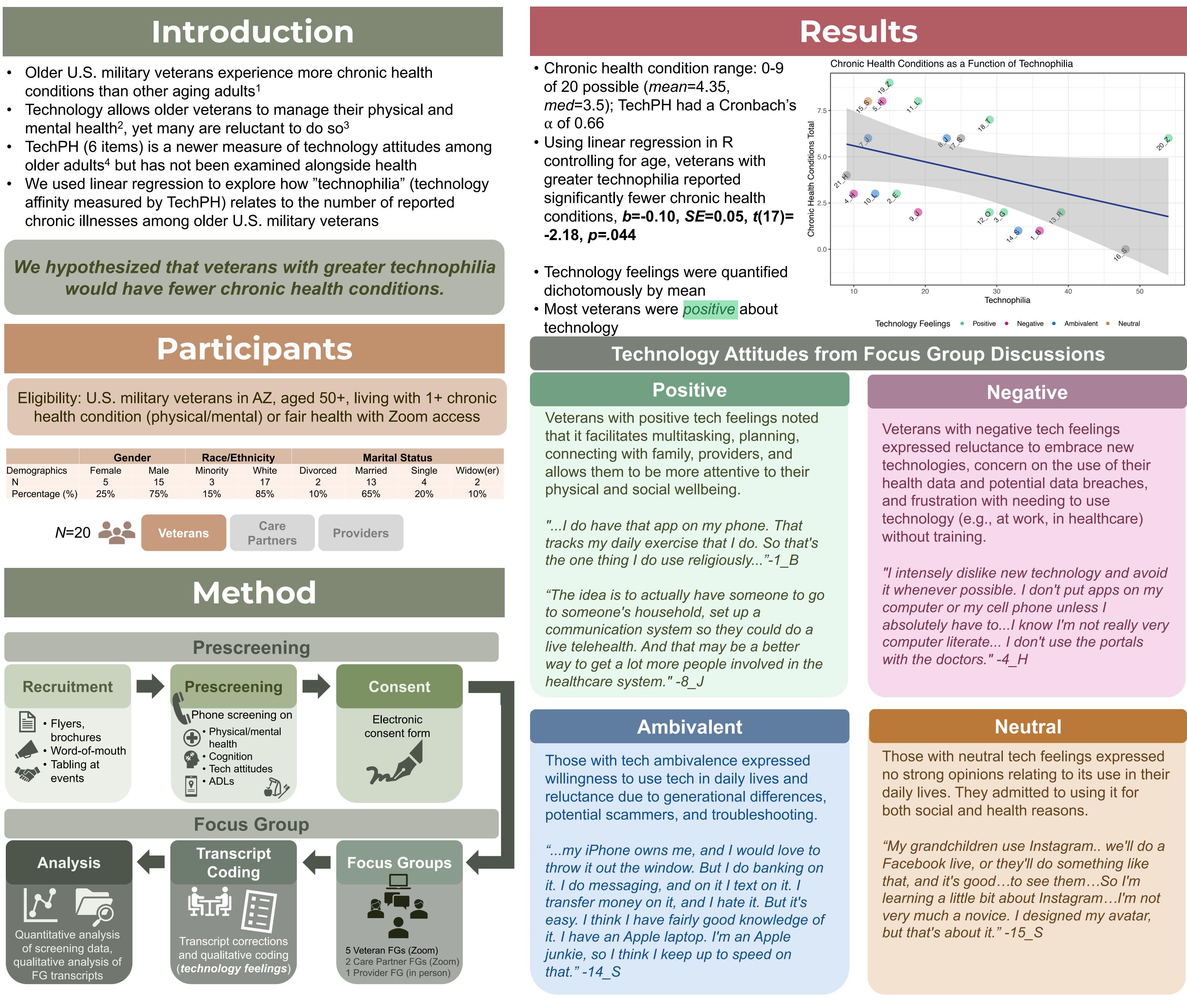


Technology Attitudes and Health: Insights from Older U.S. Military Veterans

Arizona State University

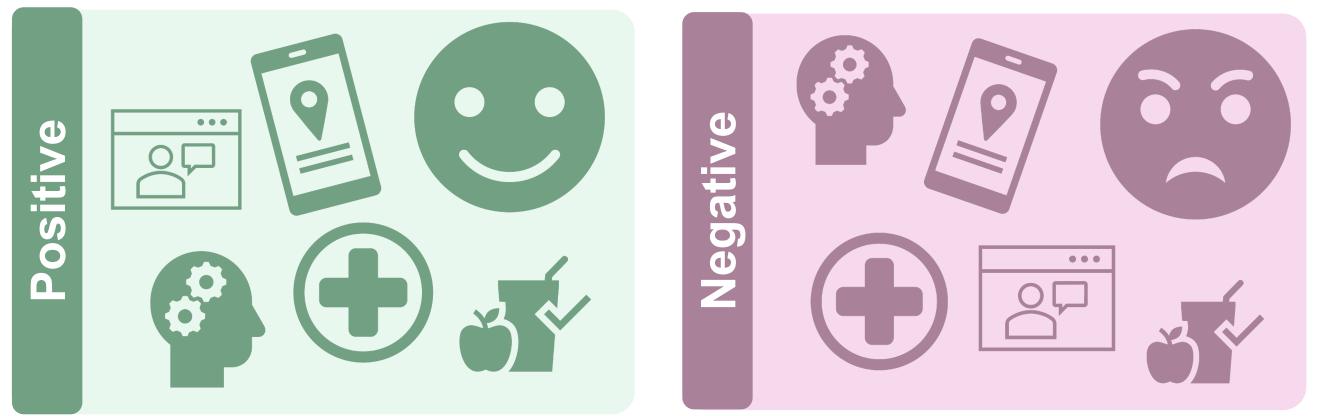
- conditions than other aging adults¹
- mental health², yet many are reluctant to do so³
- older adults⁴ but has not been examined alongside health
- chronic illnesses among older U.S. military veterans



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Veterans with greater technophilia had significantly fewer chronic illnesses when controlling for age, but technology feelings reveal a more nuanced relationship between veterans, technology, and health

- despite its ubiquity^{2, 3}



When controlling for age, veterans with greater technophilia reported significantly fewer chronic physical and mental health conditions. However, FG discussions reveal select veterans with more chronic conditions embraced technology while veterans with fewer chronic conditions were hesitant to use it to manage their health.

- e43197. https://doi.org/10.2196/43197
- e10415

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Implications

 Select veterans with more chronic health conditions embraced technology as a tool for independence

Others in better health rejected technology and used it reluctantly

Their sense of community, service, and identity make veterans broadly more willing to leverage technology to improve wellbeing⁵

Sample characteristics (*N*, homogeneity), are limitations of this study Work is underway to develop a technology that veterans can use to better manage their physical, mental, and social wellbeing

References

. Kheirbek, R.E., Fokar, A., Shara, N., Bell-Wilson, L.K., Moore, H.J., Olsen, E., Blackman, M.R. & Llorente, M.D. (2017). Characteristics and Incidence of Chronic Illness in Community-Dwelling Predominantly Male U.S. Veteran Centenarians. *Journal of the American Geriatrics* Society, 65, 2100-2106. https://doi.org/10.1111/jgs.14900

2. Connolly, S.L., Miller, C.J., Koenig, C.J., Zamora, K.A., Wright. P.B., Stanley, R.L., & Pyne, J.M. (2018). Veterans' attitudes toward smartphone app use for mental health care: Qualitative study of rurality and age differences. JMIR Mhealth Uhealth, 6(8): e10748

3. Garcia Reyes, E. P., Kelly, R., Buchanan, G., & Waycott, J. (2023). Understanding older adults' experiences with technologies for health self-management: Interview study. JMIR Aging, 6,

4. Anderberg, P., Eivazzadeh, S., & Berglund, J. S. (2019). A Novel Instrument for Measuring Older People's Attitudes Toward Technology (TechPH): Development and Validation. Journal of medical Internet research, 21(5), e13951. https://doi.org/10.2196/13951

5. Ng., A., Reddy, M., Zalta, A.K., & Schueller, S.M. (2018). Veterans' perspectives on Fitbit use in treatment for post-traumatic stress disorder: An interview study. JMIR Ment Health, 5(2):

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