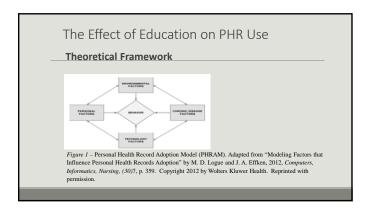


The Effect of Education on PHR Use Research Problem Access to Health Information Improved Provider-Patient Communication Shared Decision-making Self-management Tool for the Chronically III Meaningful Use Requirement < 10 % Use PHR a (Markle Foundation, 2011)</p>

The Effect of Education on PHR Use Purpose of the Study Aim I: Assess Computer-use Attitude Aim II: Examine the Rate of PHR Use Aim III: Evaluate Effectiveness of Educational Implementation Aim IV: Identify Participants' Thoughts about PHR



The Effect of Education on PHR Use Methods Quasi-Experimental Design Pre-test/Post-test with pair matched control group Convenience sample Power Analysis: Cohen's d 0.8; Power Level 0.8; Probability level 0.05 Sample Size (min. requirement: 42)

The Effect of Education on PHR Use Methods Inclusion Criteria: Age 40 to 85 Primary Care Patient Chronic Condition Speak English fluently Exclusion Criteria: Cognitive/Mental Health Condition > 28 score on Center for Epidemiologic Studies Depression Scale (CES-D)

The Effect of Education on PHR Use

Methods

Protocol:

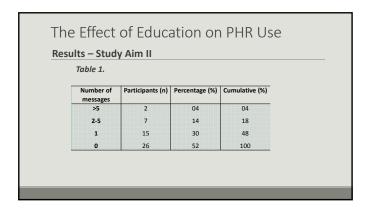
Background and Computer Questionnaire (Pre-test)

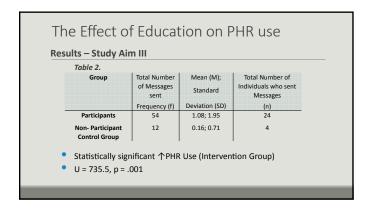
Educational Intervention

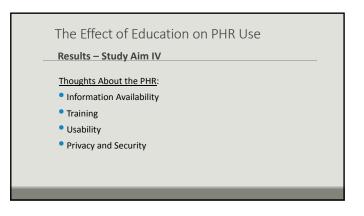
Four-week phone survey follow-up

Pair-matched treatment group

EHR audit to determine the rate of PHR Use







The Effect of Education on PHR Use

Implications

- Hands-on PHR Training: ↑PHR Use, ↑Comfort Level
- PHR of no use if Health Information is Not Current
- No Age Related Differences
- Interesting: CES-D negative correlation

The Effect of Education on PHR Use

Limitations

- Small sample size
- Setting-single geographic region
- Homogenous sample lack of diversity

The Effect of Education on PHR Use

Next Step

- Promote PHR Use
- Integrate Findings into Higher Ed. Curriculum
 - Student practice Experience
 - Assist Primary Care Practices to establish PHR Kiosks
- Continue Translational Research
 - Diverse Demographic

The Effect of Education on PHR Use

References

Czaja, S. J., Charness, N., Fisk, A. D., Hertzog, C., Nair, S. N., Rogers, W. A., & Sharit, J. (2006b).

Demographic and background questionnaire (CREATE-2006-2). Center for Research and Education on Aging and Technology Enhancement. Retrieved from

Location on Aging and technology Enrichements, etertweethrom http://create-centergatech.edu/publications_db/report%202%20ver1.3.pdf

Czaja, S. J., Sharit, J., Lee, C. C., Nair, S. N., Hernandez, M. A., Arana, N., & Fu, S. H. (2013). Factors influencing use of an e-health website in a community sample of older adults. *Journal of the American Medical Informatics Association*, 20(2), 277-284. doi: 10.1136/amiajnl-2012-000876

Logue, M. D., & Effken, J. A. (2012). Modeling factors that influence personal health records adoption.

Computers, Informatics, Nursing, 30(7), 354-362. doi: 10.1097/NXN.0b013e3182510717

Disclaimer Statement

This presentation has educational value and is not for the purpose of marketing my/our employer and/or product(s).

Conflict of Interest Statement

Imke Casey, DNP, CRNA, RHIT

Has no real or apparent conflicts of interest to report.