

# mHealth app ideal for breast cancer risk assessment, prevention

March 18 2015

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Interviewing women at a breast-imaging center in an urban safety net institution before and after they used a "mHealth" mobile health app on a tablet, Elissa Ozanne, PhD from Dartmouth's Norris Cotton Cancer Center and colleagues concluded that older, diverse, and low income women found it easy to use and acceptable. Published in the *Journal of Health Disparities Research Practices*, the paper with these findings is "Can mHealth Improve Risk Assessment in Underserved Populations? Acceptability of a Breast Health Questionnaire App in Ethnically Diverse, Older, Low-Income Women."

"Studies such as this are critical to understand how mHealth tools can be used effectively in diverse, low-income populations," said Ozanne. "We need to design all tools, and particularly novel tools such as mHealth tools, with these populations in mind in order to ensure equitable access. This study identifies some of the barriers and benefits of using an mHealth [tool](#) in this low-income, diverse population."

Ozanne's work reports that 11 of the 15 [women](#), aged 45-79 years, interviewed before and after using the mHealth tool preferred it to a paper tool and found it easy to use. Variations in opinions are discussed for women with limited mobile phone experience, and for women whose first language is Spanish. Many suggested it is essential that staff be available to explain the mHealth tool and troubleshoot any problems.

"In general, we found this population preferred using an mHealth app to a paper format," explained Ozanne. "They found it more enjoyable than

the paper format, easy to use, and were able to learn how to use it quickly."

Looking forward, Ozanne continues to examine the validity and reliability of data collected using mHealth tools in this population to ensure that the methods can be used effectively in clinical settings.

**More information:** *Journal of Health Disparities Research Practices*, [www.ncbi.nlm.nih.gov/pmc/articles/PMC4335717/](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4335717/)

Provided by The Geisel School of Medicine at Dartmouth

Citation: mHealth app ideal for breast cancer risk assessment, prevention (2015, March 18) retrieved 5 January 2023 from <https://medicalxpress.com/news/2015-03-mhealth-app-ideal-breast-cancer.html>

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