

## Research Project

Randomized trial to test the efficacy of two interventions designed to increase screening and use of genetic services in young breast cancer survivors and biological female relatives

### Project funded by own resources

**Project title** Randomized trial to test the efficacy of two interventions designed to increase screening and use of genetic services in young breast cancer survivors and biological female relatives

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#### **Organisation / Research unit**

Departement Public Health / Pflegewissenschaft (Katapodi)

**Project start** 01.10.2011

**Probable end** 31.12.2020

**Status** Completed

**Hintergrund:** Over the past decades, advances in screening, detection, and treatment have led to a significant reduction in the number of breast cancer deaths in the United States. More specifically, Michigan had a 40% decrease in mortality rates between 1990 (11.9 per 100,000) and 2009 (7.1 per 100,000) among young women diagnosed with breast cancer. However, the Comprehensive Cancer Control Plan for Michigan and the Healthy People 2020 objective is to further “reduce the female breast cancer death rate”. The study strives to accomplish this goal, specifically for female breast cancer survivors diagnosed at 25-45 years old and their female relatives who may also have an increased risk.

**Zielsetzung:** The study has three aims: (1) To identify and survey 3000 female breast cancer survivors reported to the Michigan Cancer Surveillance Program who were diagnosed between the ages of 25-45 years (YBCS) and determine:(a) their breast cancer screening utilization; (b) perceived barriers and facilitators to screening; (c) willingness to participate in a small media, evidence-based intervention to increase breast cancer screening utilization; and (d) willingness to serve as a breast cancer screening advocate for their high-risk female relatives. (2) To identify and survey up to two unaffected first-and/or second- degree female relatives per breast cancer survivor and determine: (a) their breast cancer screening utilization; (b) perceived barriers and facilitators to screening; and (c) willingness to participate in a small media, evidence-based intervention to increase breast cancer screening utilization. (3) To compare the efficacy of two interventions on breast cancer screening utilization and other outcomes among YBCS and their high-risk female relatives.

**Design / Methode:** This prospective randomized trial involved testing the efficacy of two printed interventions i.e., Targeted vs. Enhanced Tailored designed to increase screening and use of cancer genetic services. Participants were randomly assigned as family units (YBCS and her female relatives) to receive one of two intervention versions. Family units were mailed a self-administered baseline survey prior to receiving the intervention (Time 1). A self-administered follow-up survey was mailed to participants nine months post-intervention.

**Erwarteter Nutzen / Relevanz** (z.B. für Public Health): The study enhanced cancer prevention, control, and efforts toward public health genomics interventions. The two intervention versions provide a successful platform for implementation of public health genomic interventions.

**Keywords** public health genomics, family-based, statewide, random sampling, random allocation

**Financed by**

Other funds

### Add publication

#### Published results

3977272, Katapodi, M. C.; Northouse, L. L.; Schafenacker, A. M.; Duffy, S. A.; Ronis, D. L.; Anderson, B.; Janz, N. K.; McLosky, J.; Milliron, K. J.; Merajver, S. D.; Duong, L. M.; Copeland, G., Using a state cancer registry to recruit young breast cancer survivors and high-risk relatives: protocol of a randomized trial testing the efficacy of a targeted versus a tailored intervention to increase breast cancer screening, 1471-2407, BMC Cancer, Publication: JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

3966373, Jones, Tarsha; Lockhart, Joan S.; Mendelsohn-Victor, Kari E.; Duquette, Debra; Northouse, Laurel L.; Duffy, Sonia A.; Donley, Rosemary; Merajver, Sofia D.; Milliron, Kara J.; Roberts, J. Scott; Katapodi, Maria C., Use of Cancer Genetics Services in African-American Young Breast Cancer Survivors, 0749-3797 ; 1873-2607, American journal of preventive medicine, Publication: JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

3969246, Katapodi, Maria C; Duquette, Debra; Yang, James J; Mendelsohn-Victor, Kari E; Anderson, Beth; Nikolaidis, Christos; Mancewicz, Emily; Northouse, Laurel L; Duffy, Sonia A; Ronis, David; Milliron, Kara J; Probst-Hensch, Nicole; Merajver, Sofia D; Janz, Nancy K; Copeland, Glenn; Roberts J Scott, Recruiting families at risk for hereditary breast and ovarian cancer from a statewide cancer registry: a methodological study., Cancer Causes and Control, Publication: JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

### Add documents

### Specify cooperation partners

ID	Kreditinhaber	Kooperationspartner	Institution	Laufzeit - von	Laufzeit - bis
3978008	Katapodi, Maria	Duquette, Debra, Clinical Prof.	Northwestern University, Feinberg School of Medicine	01.10.2011	31.12.2020
3978015	Katapodi, Maria	Northouse, Laurel, Prof. Dr.	University of Michigan School of Nursing	01.10.2011	31.12.2020
3978020	Katapodi, Maria	Janz, Nancy K, Prof. Dr.	University of Michigan School of Public Health	01.10.2011	31.12.2020
3978022	Katapodi, Maria	Merajver, Sofia D, Prof. Dr.	University of Michigan School of Medicine	01.10.2011	31.12.2020
3978026	Katapodi, Maria	Duffy, Sonia, A Prof. Dr.	Ohio State University, College of Nursing	01.10.2011	31.12.2021