

REceived : 8.6.09
First Name Cheryl
Last Name Cox
Institution St. Jude Children's Research Hospital
Address 1 262 Danny Thomas Place
Address 2 Department of Epidemiology
City Memphis
State TN
Zip 38111
Phone 901 595 4789
Email cheryl.cox@stjude.org

Project Title Identifying Intervention Targets to Increase Mammography Screening Among At-Risk Childhood Cancer Survivors

Planned research population (eligibility criteria) All women who completed the CCSS Follow-up 2,3 and Mammogram Practices Surveys

Proposed specific aims The proposed analysis will use a conceptual model of health behavior and structural equation modeling (SEM) analysis to extend the recent findings of the Mammogram Practices Survey. (Oeffinger et al., Breast cancer surveillance practices among women previously treated with chest radiation for a childhood cancer. JAMA, 301(4), pp. 404-414). Specifically we will: 1] Identify and compare in 3 separate structural equation models (survivors with chest radiation exposure, survivors without chest radiation exposure, and siblings) those intrapersonal and treatment-related factors that directly and indirectly influence obtaining mammography screening at recommended intervals ; 2] Describe the potential mediators and moderators (e.g., motivation, affect, cognitive determinants) of mammography screening adherence; 3]Using latent growth curve analysis, compare and contrast survivors' responses related to mammography screening in Follow-up 2 with those data reported in the Mammography Practices Survey ; and 4] Identify specific targets for intervention to enhance mammography screening participation among childhood cancer survivors at risk for breast cancer.

Will the project require non-CCSS funding to complete? No

If yes, what would be the anticipated source(s) and timeline(s) for securing funding?

Does this project require contact of CCSS study subjects for . . .

Additional self-reported information No

Biological Samples No

Medical record data No

If yes to any of the above, please briefly describe.

What CCSS Working Group(s) would likely be involved? (Check all that apply)

Second Malignancy

Primary - No Secondary - Yes

Chronic Disease

Primary - No Secondary - No

Reproductive

Primary - No Secondary - No

Neurologic

Primary - No Secondary - No

Psychology / Neuropsychology

Primary - No Secondary - No

Genetics

Primary - No Secondary - No

Cancer Control

Primary - Yes Secondary - No

Epidemiology / Biostatistics

Primary - No Secondary - No

To describe the anticipated scope of the study, please indicate the specific CCSS data to be included as outcome (primary or secondary) or correlative factors. (Check all that apply)

Late mortality

Primary - No Secondary - No Correlative Factors - No

Second Malignancy

Primary - No Secondary - Yes Correlative Factors - No

Health Behaviors

Tobacco

Primary - No Secondary - No Correlative Factors - No

Alcohol

Primary - No Secondary - No Correlative Factors - No

Physical activity

Primary - No Secondary - No Correlative Factors - No

Medical screening

Primary - Yes Secondary - No Correlative Factors - No

Other

Primary - No Secondary - No Correlative Factors - No

If other, please specify

Psychosocial

Insurance

Primary - No Secondary - No Correlative Factors - Yes

Marriage

Primary - No Secondary - No Correlative Factors - Yes

Education

Primary - No Secondary - No Correlative Factors - Yes

Employment

Primary - No Secondary - No Correlative Factors - Yes

Other

Primary - No Secondary - No Correlative Factors - No

If other, please specify

Medical conditions

Hearing/Vision/Speech

Primary - No Secondary - No Correlative Factors - No

Hormonal systems

Primary - No Secondary - No Correlative Factors - No

Heart and vascular

Primary - No Secondary - No Correlative Factors - No

Respiratory

Primary - No Secondary - No Correlative Factors - No

Digestive

Primary - No Secondary - No Correlative Factors - No

Surgical procedures

Primary - No Secondary - No Correlative Factors - No

Brain and nervous system

Primary - No Secondary - No Correlative Factors - No

Other

Primary - No Secondary - No Correlative Factors - No

If other, please specify

Medications

Describe medications

Pregnancy and offspring

Primary - No Secondary - No Correlative Factors - No

Family History

Primary - No Secondary - No Correlative Factors - No

Psychologic/Quality of Life

BSI-18

Primary - No Secondary - No Correlative Factors - Yes

SF-36

Primary - No Secondary - No Correlative Factors - Yes

CCSS-NCQ

Primary - No Secondary - No Correlative Factors - Yes

PTS

Primary - No

Secondary - No

Correlative Factors - Yes

PTG

Primary - No

Secondary - No

Correlative Factors - Yes

Other

Primary - No

Secondary - No

Correlative Factors - No

If other, please specify

Chronic conditions (CTCAE v3)

Primary - No

Secondary - No

Correlative Factors - Yes

Health status

Primary - No

Secondary - No

Correlative Factors - Yes

Demographic

Age

Primary - No

Secondary - No

Correlative Factors - Yes

Race

Primary - No

Secondary - No

Correlative Factors - Yes

Sex

Primary - No

Secondary - No

Correlative Factors - Yes

Others

Primary - No

Secondary - No

Correlative Factors - No

If others, please specify

Cancer treatment

Chemotherapy

Correlative Factors - No

Radiation therapy

Correlative Factors - Yes

SurgeryCorrelative Factors - No

Anticipated sources of statistical support

CCSS Statistical Center**Local institutional statistician** Yes**If local, please provide the name(s) and contact information of the statistician(s) to be involved.** Kumar Srivastava, Department of Biostatistics, St. Jude Children's Research Hospital**Will this project utilize CCSS biologic samples?** No

If yes, which of the following?

Buccal cell DNA

Peripheral blood

Lymphoblastoid cell lines

Second malignancy pathology samples

Other requiring collection of samples

If other, please explain

Other general comments This project will rely primarily on the self-contained data set from the Mammogram Practices Survey. Selected data from Follow-up 2 and 3 as identified above will be examined as covariates in potential growth modeling analysis.