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Project Title Causal associations between psychological and quality of life outcomes in CCSS
Planned research population (eligibility criteria) All survivors who completed the Follow-up 2003 survey.

Proposed specific aims 1. To examine latent variables associated with psychological and quality of life outcomes in adults survivors of childhood cancer. 2. To develop a structural equation model of causal associations between these latent variables.

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 - No

Chronic Disease

Primary - No Secondary - No

Reproductive

Primary - No Secondary - No

Neurologic

Primary - No Secondary - No

Psychology / Neuropsychology

Primary - Yes Secondary - No

Genetics

Primary - No Secondary - No

Cancer Control

Primary - No 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 - No 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 - No Secondary - No Correlative Factors - No

Other

Primary - No Secondary - No Correlative Factors - No

If other, please specify

Psychosocial

Insurance

Primary - No Secondary - Yes Correlative Factors - No

Marriage

Primary - No Secondary - No Correlative Factors - No

Education

Primary - No Secondary - Yes Correlative Factors - No

Employment

Primary - No Secondary - No Correlative Factors - No

Other

Primary - No Secondary - No Correlative Factors - No

If other, please specify Household Income

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 - Yes

Secondary - No

Correlative Factors - No

SF-36

Primary - Yes

Secondary - No

Correlative Factors - No

CCSS-NCQ

Primary - Yes

Secondary - No

Correlative Factors - No

PTS

Primary - Yes

Secondary - No

Correlative Factors - No

PTG

Primary - Yes

Secondary - No

Correlative Factors - No

Other

Primary - No

Secondary - No

Correlative Factors - No

If other, please specify

Chronic conditions (CTCAE v3)

Primary - No

Secondary - No

Correlative Factors - No

Health status

Primary - No

Secondary - No

Correlative Factors - No

Demographic

Age

Primary - No

Secondary - Yes

Correlative Factors - No

Race

Primary - No

Secondary - No

Correlative Factors - No

Sex

Primary - No

Secondary - Yes

Correlative Factors - No

Others

Primary - No

Secondary - No

Correlative Factors - No

If others, please specify

Cancer treatment

Chemotherapy

Correlative Factors - Yes

Radiation therapy

Correlative Factors - Yes

Surgery

Correlative 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.** Cheryl Cox has agreed to do the Structural Equation Modeling (SEM) for this analysis. Statistical procedures and results will be reviewed by the CCSS Statistical Center.**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 Many of the psychological and quality of life outcomes included in the Follow-up 2003 survey have been associated with disease and/or treatment variables and also seem to predict psychosocial outcomes and health behaviors. These psychological and quality of life outcomes are quite likely inter-related. However, little examination of these inter-relationships has been done to date. We propose to examine shared and unique variance through SEM procedures in order to better understand how these variables interact with one another to contribute to positive and negative outcomes.