

Section: Contact Information

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Section: Project Requirements and Description

Group: Requirements to submit AOI

A comprehensive review of previously published data has been completed. : **Yes**

The specific aims are clear and focused. : **Yes**

The investigator has appropriate experience and expertise to develop the concept proposal; if not, has identified a mentor or senior co-investigator. : **Yes**

The investigator agrees to develop an initial draft of the concept proposal within 6 weeks of approval of the AOI and to finalize the concept proposal within 6 months. : **Yes**

Project Title : **Adverse Childhood Experiences (ACEs) and Potential Mitigating Factors in Adult Survivors of Childhood Cancer**

Planned research population (eligibility criteria) :

CCSS cohort members 18+ years of age

Proposed specific aims :

1. Identify demographic, physical- and mental health-related, and health behavior characteristics of CCSS cohort members 18+ years of age with one or more ACE(s).

Hypothesis 1: Participants who identify as a non-white race/ethnicity, have lower socioeconomic statuses, have one or more chronic medical condition(s) including mental illness, and/or endorse substance misuse will have higher numbers of ACEs.

2. Identify demographic, physical and mental health-related, and health behavior characteristics of CCSS cohort members 18+ years of age with above-average and below-average resilience scores.

Hypothesis 2: Above-average resilience will be found in male, white participants diagnosed with cancer at younger ages.

3. Determine correlation and interaction effects between ACEs, resilience, and the presence of chronic medical conditions, mental illness, substance misuse, and premature mortality for CCSS cohort members 18+ years of age.

Hypothesis 3: The presence of one or more ACE will be positively correlated with the

presence of chronic medical conditions, mental illness, substance misuse, and premature mortality and negatively correlated with resilience.

Will the project require non-CCSS funding to complete? : **Yes**

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

The investigator plans to apply for career development award/funding to complete this project. We plan to survey a subset of the CCSS to provide pilot-level data to support these applications, the sample size of which will be determined based on finalized statistical plans.

Group: Does this project require contact of CCSS study subjects for:

Additional self-reported information : **Yes**

Biological samples : **No**

Medical record data : **No**

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

We plan to initially survey a representative subset of the CCSS, the sample size of which will be determined based on finalized statistical plans, using the below measures prior to surveying the entirety of the CCSS cohort that meet the eligibility criteria.

ACEs: To assess ACEs, survivors would complete the ACE Questionnaire for Adults. This 11-item survey is adapted from the original ACEs work of Kaiser Permanente and the Centers for Disease Control and Prevention (CDC). It is available in 17 different languages.

Resilience: To assess resilience, survivors would complete the Connor-Davidson Resilience Scale. This measure of resilience has previously been used and validated in the adult and childhood cancer survivor literature and is available in over 30 languages.

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

Second Malignancy :

Chronic Disease : **Primary**

Psychology / Neuropsychology : **Secondary**

Genetics :

Cancer Control : **Secondary**

Epidemiology / Biostatistics :

Section: Outcomes or Correlative Factors

Late mortality : **Secondary**

Second Malignancy : **Correlative Factors**

Group: Health Behaviors

Tobacco : **Secondary**

Alcohol : **Secondary**

Physical activity :

Medical screening :

Other : **Secondary**

If other, please specify : **Illicit drug use (other than tobacco, alcohol)**

Group: Psychosocial

Insurance : **Correlative Factors**

Marriage : **Correlative Factors**

Education : **Correlative Factors**

Employment : **Correlative Factors**

Other :

If other, please specify :

Group: Medical Conditions

Hearing/Vision/Speech :

Hormonal systems :

Heart and vascular :

Respiratory :

Digestive :

Surgical procedures :

Brain and nervous system :

Other : **Primary**

If other, please specify : **Chronic conditions (CTCAE v3) – see below**

Group: Medications

Describe medications :

Group: Psychologic/Quality of Life

BSI-18 : **Secondary**

SF-36 : **Secondary**

CCSS-NCQ :

PTS :

PTG :

Other :

If other, please specify :

Group: Other

Pregnancy and offspring :

Family history :

Chronic conditions (CTCAE v3) : **Primary**

Health status : **Secondary**

Group: Demographic

Age : **Correlative Factors**

Race : **Correlative Factors**

Sex : **Correlative Factors**

Other : **Correlative Factors**

If other, please specify : **Household income**

Group: Cancer treatment

Chemotherapy : **Correlative Factors**

Radiation therapy : **Correlative Factors**

Surgery : **Correlative Factors**

Section: Anticipated Sources of Statistical Support

CCSS Statistical Center : **Yes**

Local institutional statistician :

If local, please provide the name(s) and contact information of the statistician(s) to be involved. :

Will this project utilize CCSS biologic samples? : **No**

If yes, which of the following? :

If other, please explain :

Section: Other General Comments

Other General Comments :

I agree to share this information with St. Jude : **Yes**