

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 : **Prediction of Mortality Using Symptom Burden among Adult Survivors of Childhood Cancer**

Planned research population (eligibility criteria) :

- 1) Adult survivors of childhood cancer (aged ≥ 18 years) at CCSS baseline survey**
- 2) Survivors enrolled in original cohort or expanded cohorts (if both are applicable)**
- 3) Completion of both baseline survey and one follow-up survey**
- 4) Surveys were self-reported by survivors**

Proposed specific aims :

This study was funded by NCI R21 (I-Chan Huang/Kevin Krull) focusing on adult survivors of childhood cancer enrolled in both CCSS and SJLIFE. Our Aim 1 evaluated the prediction of 4 symptom clusters for the onset of chronic conditions. Aim 2 will evaluate the prediction of 4 symptom clusters for all-cause and cause-specific mortality.

Aim 1: Calculate all-cause and cause-specific risk-standardized mortality rate (RSMR) and absolute expected risk (AER) by 4 symptom clusters using baseline survey adjusting for age, sex and race/ethnicity.

Aim 2: Test the effects of symptom clusters on all-cause and cause-specific mortality.

Aim 3: Test the influence of socio-demographic (personal, neighborhood), lifestyle and treatment factors for the effect of symptom clusters on mortality.

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? :

This study has been funded by NCI R21 (I-Chan Huang/Kevin Krull).

Group: 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. :

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

Second Malignancy :

Chronic Disease :

Psychology / Neuropsychology : **Secondary**

Genetics :

Cancer Control :

Epidemiology / Biostatistics : **Primary**

Section: Outcomes or Correlative Factors

Late mortality : **Primary**

Second Malignancy : **Secondary**

Group: Health Behaviors

Tobacco : **Correlative Factors**

Alcohol : **Correlative Factors**

Physical activity : **Correlative Factors**

Medical screening : **Correlative Factors**

Other :

If other, please specify :

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 : **Correlative Factors**

Hormonal systems : **Correlative Factors**

Heart and vascular : **Correlative Factors**

Respiratory : **Correlative Factors**

Digestive : **Correlative Factors**

Surgical procedures : **Correlative Factors**

Brain and nervous system : **Correlative Factors**

Other :

If other, please specify :

Group: Medications

Describe medications :

Group: Psychologic/Quality of Life

BSI-18 : **Correlative Factors**

SF-36 : **Correlative Factors**

CCSS-NCQ : **Correlative Factors**

PTS :

PTG :

Other :

If other, please specify :

Group: Other

Pregnancy and offspring :

Family history :

Chronic conditions (CTCAE v3) :

Health status :

Group: Demographic

Age : **Correlative Factors**

Race : **Correlative Factors**

Sex : **Correlative Factors**

Other :

If other, please specify :

Group: Cancer treatment

Chemotherapy : **Correlative Factors**

Radiation therapy : **Correlative Factors**

Surgery : **Correlative Factors**

Section: 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. :

Aim 1 analysis has been done by Kumar Srivastava at St Jude, especially developing symptom cluster patterns. We request Kumar and Yutaka at St Jude to work on Aim 2.

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**