

### **Section: Contact Information**

First Name : **Timothy**  
Last Name : **Ohlsen**  
Institution : **Seattle Children's Hospital**  
Address 1 : **4800 Sand Point Way NE**  
Address 2 :  
City : **Seattle**  
State/Province/Region : **WA**  
Country : **United States**  
Zip/Postal Code : **98105**  
Phone Number : **2069871734**  
Alternate Phone Number :  
Email Address : [timothy.ohlsen@seattlechildrens.org](mailto:timothy.ohlsen@seattlechildrens.org)

### **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 : **Medical financial hardship among long-term survivors of childhood cancer and their siblings in the Childhood Cancer Survivor Study (CCSS) in comparison to the general population.**

Planned research population (eligibility criteria) :

**Cancer survivors and their siblings who responded to the CCSS follow-up 6-medium form, compared to adults without a cancer history who responded to identical questions as part of the National Health Interview Survey (NHIS) over a similar time period (i.e., 2016-2018).**

Proposed specific aims :

**Aim 1: Describe the impact of childhood cancer treatment on long term financial outcomes in cancer survivors as compared to the general population.**

• **Specifically: Compare the prevalence of financial hardship in survivors of childhood cancer to the general population over 3 domains: material [difficulty in affording basic necessities], psychological [excessive worry about finances], and/or behavioral [intentionally avoiding or rationing recommended medical care to save money]. Report responses from cancer survivors on the CCSS FU-6 medium form, as compared to responses from adults without a cancer history from the NHIS. This would utilize sample weighting to allow for statistically appropriate comparisons between the CCSS and the general population.**

• **Hypothesis: Survivors of childhood cancer will report a higher prevalence of all 3 queried domains of financial hardship as compared to the general population of adults without a cancer history.**

**Aim 2: Describe long-term negative financial outcomes of siblings of childhood cancer survivors to make comparisons to the general population.**

- **Specifically:** Compare the prevalence of financial hardship in the material, psychological, and behavioral domains in siblings using the above responses to the CCSS FU-6 medium form versus adults without a cancer history responding to the NHIS. This would utilize similar sample weighting to Aim 1.
- **Hypothesis:** Siblings of childhood cancer survivors will report a higher prevalence of financial hardship as compared to the general population, but to a lesser extent compared to survivors.

**Exploratory Aim:** Identify sociodemographic factors that are associated with various degrees of financial hardship in siblings of cancer survivors, and compare disparities noted in siblings to the general population.

- **Specifically:** Examine the associations of age, sex, race/ethnicity, and socioeconomic status (SES) with the risk of individual domains of financial hardship in siblings of childhood cancer survivors. Determine whether the associations between these sociodemographic factors and financial hardship differ in siblings when compared to adults without a cancer history responding to the NHIS.

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? :

**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 : **Primary**

Epidemiology / Biostatistics :

**Section: Outcomes or Correlative Factors**

Late mortality :

Second Malignancy :

**Group: Health Behaviors**

Tobacco :

Alcohol :

Physical activity :

Medical screening :

Other :

If other, please specify :

**Group: Psychosocial**

Insurance :

Marriage :

Education :  
Employment :  
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 : **Financial hardship questions on the FU-6 medium forms, to be correlated to matching questions from the NHIS.**

***Group: Medications***

Describe medications :

***Group: Psychologic/Quality of Life***

BSI-18 :  
SF-36 :  
CCSS-NCQ :  
PTS :  
PTG :  
Other :  
If other, please specify :

***Group: Other***

Pregnancy and offspring :  
Family history :  
Chronic conditions (CTCAE v3) : **Correlative Factors**  
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 : **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 :

**Planning to have local mentorship support with Dr. Eric Chow, Seattle Children's/Fred Hutch Cancer Research Center**

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