

Section: Contact Information

First Name : **Todd**
Last Name : **Gibson**
Institution : **St Jude Children's Research Hospital**
Address 1 : **262 Danny Thomas Place**
Address 2 :
City : **Memphis**
State/Province/Region : **TN**
Country : **US**
Zip/Postal Code : **38152**
Phone Number : **901-595-8260**
Alternate Phone Number :
Email Address : todd.gibson@stjude.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 : **Incidence of chronic disease among childhood cancer survivors by treatment era and temporal trends in treatment exposure**

Planned research population (eligibility criteria) :

Survivors and sibling participants in CCSS with a completed baseline questionnaire.

Proposed specific aims :

- 1. To examine the cumulative incidence of chronic health conditions in childhood cancer survivors by treatment era.**
- 2. To evaluate temporal patterns in incidence of chronic health conditions according to temporal changes in treatment exposure.**
- 3. To compare trends in the cumulative incidence of chronic diseases over time to similar trends in the sibling comparison group**

Hypotheses:

-Overall cumulative incidence of chronic health conditions will be lower in more recent eras.

-Reductions in cumulative incidence of chronic health conditions may be identified in certain cancer diagnoses where historical reduction in therapeutic intensity has occurred including ALL, Hodgkin lymphoma, and Wilms tumor.

-Increases in cumulative incidence of chronic health conditions may be identified in certain cancer diagnoses where historical intensification of therapeutic intensity has occurred such as neuroblastoma.

Findings from the proposed analysis will augment our understanding of previous findings of 1) extension of lifespan (Mortality analysis, Armstrong) yet 2) improvements in Health Status (Ness) for only limited populations.

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 : **Primary**

Psychology / Neuropsychology :

Genetics :

Cancer Control :

Epidemiology / Biostatistics : **Secondary**

Section: Outcomes or Correlative Factors

Late mortality :

Second Malignancy : **Secondary**

Group: Health Behaviors

Tobacco : **Correlative Factors**

Alcohol : **Correlative Factors**

Physical activity : **Correlative Factors**

Medical screening : **Correlative Factors**

Other : **Primary**

If other, please specify : **CTCAE chronic conditions, focus on CTCAE grade 3-4 conditions, with appropriate harmonization across grading periods**

Group: Psychosocial

Insurance :

Marriage :

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 :

If other, please specify :

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) : **Primary**

Health status : **Secondary**

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 : To be led with senior oversight by Kevin Oeffinger and Greg Armstrong.