

### **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 : **Estimating the Global Burden of Childhood Cancer in the Global Burden of Disease (GBD) 2019 Study**

Planned research population (eligibility criteria) :

**All childhood cancer survivors in CCSS, all years.**

Proposed specific aims :

**(1) Estimate the excess morbidity associated with surviving childhood cancer in order to generate years lived with disability (YLDs) among pediatric cancer survivors for 195 countries from 1990 to 2018 by incorporating SF-36 data from the Childhood Cancer Survivor Study (CCSS) into the GBD 2019 cancer estimation framework. The hypothesis is that incorporation of this data will increase the YLDs due to childhood cancer compared to previous GBD estimates.**

**(2) Estimate the excess mortality associated with surviving childhood cancer in order to generate years of life lost (YLLs) among pediatric cancer survivors for 195 countries from 1990 to 2018 by incorporating mortality data from the CCSS into the GBD 2019 cancer estimation framework. The hypothesis is that incorporation of this data will increase the YLLs due to childhood cancer compared to previous GBD estimates.**

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? :

**Funding already secured through the SJCRH Department of Global Pediatric Medicine with MOU in place with the Institute for Health Metrics and Evaluation (IHME)/GBD study.**

#### ***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 : **Secondary**

Psychology / Neuropsychology : **Secondary**

Genetics :

Cancer Control :

Epidemiology / Biostatistics : **Primary**

**Section: Outcomes or Correlative Factors**

Late mortality : **Primary**

Second Malignancy : **Primary**

**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 :

If other, please specify :

**Group: Medications**

Describe medications :

**Group: Psychologic/Quality of Life**

BSI-18 :

SF-36 : **Primary**

CCSS-NCQ :

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 :

Sex : **Correlative Factors**

Other : **Correlative Factors**

If other, please specify : **Year of diagnosis, year of SF-36 scores, and year of death (if applicable)**

**Group: Cancer treatment**

Chemotherapy :

Radiation therapy :

Surgery :

**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. :

**Yutaka Yasui, PhD**

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 :

**-SF-36 microdata for all CCSS participants (by age-sex-time) including year of birth, year of diagnosis, and year(s) of SF-36 data**

**-Standardized mortality ratios (SMR) for all CCSS participants (by 5-year age-sex groups by year) - may need to extract as microdata with SMR calculation outside of dataset**

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