

## **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 : **Prevalence and Pattern of Prescription Psychoactive Medication Use in Adolescent Survivors of Childhood Cancer: A Report from the Childhood Cancer Survivor Study**

Planned research population (eligibility criteria) :

**(1) All cancer survivors and siblings <18 years of age whose parents completed the Baseline survey, and (2) survivors and siblings from the Original Cohort who completed the 2003 or 2007 Follow-up survey.**

Proposed specific aims :

**We propose to examine prevalence and patterns of psychoactive medication use in adolescent survivors of childhood cancer. Previous CCSS publications by Brinkman et al, examined this outcome only in survivors  $\geq 18$  years old and, thus, information on use of such medications by children is undocumented. We are particularly interested in whether use has increased or decreased over the decades from 1970-79, 1980-89, and 1990-99.**

**Specific Aim 1: To estimate the prevalence of psychoactive medication use in a large and geographically diverse cohort of adolescent survivors of childhood cancer**

**Specific Aim 2: To identify demographic, diagnosis, treatment and psychological**

**factors associated with psychoactive medication use in adolescent survivors of childhood cancer**

**Specific Aim 3: To examine associations between psychoactive medication use and academic functions, as reflected through special education services**

**Specific Aim 4: In the original cohort, to examine the impact of psychoactive medication use during adolescence and psychologic and quality of life outcomes during adulthood**

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 : **Primary**

Genetics :

Cancer Control :

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 : **Correlative Factors**

Marriage :

Education : **Correlative Factors**

Employment :

Other : **Correlative Factors**

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

***Group: Medical Conditions***

Hearing/Vision/Speech :

Hormonal systems :

Heart and vascular :

Respiratory :

Digestive :

Surgical procedures :

Brain and nervous system : **Correlative Factors**

Other :

If other, please specify :

***Group: Medications***

Describe medications :

**Outcomes: Psychoactive medications - (1) antidepressants, (2) anxiolytics/sedatives/hypnotics, (3) anticonvulsants, (4) non-opioid analgesics, (5) opioids, (6) muscle relaxants, (7) neuroleptics, and (8) stimulants.**

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

BSI-18 : **Correlative Factors**

SF-36 : **Correlative Factors**

CCSS-NCQ : **Correlative Factors**

PTS : **Correlative Factors**

PTG : **Correlative Factors**

Other : **Correlative Factors**

If other, please specify : **Brief Problem Inventory**

***Group: Other***

Pregnancy and offspring :

Family history :

Chronic conditions (CTCAE v3) :

Health status : **Correlative Factors**

***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. :

**Dr Kumar Srivastava's statistical team at St. Jude Children's Research Hospital**

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 :