

REceived: 9/23/08
First Name Sujuan
Last Name Huang
Institution St.jude Children's Research Hospital
Address 1 262 Danny Thomas Place
Address 2
City Memphis
State TN
Zip 38105
Phone 901 495 6360
Email sujuan.huang@stjude.org

Project Title Assessing bias associated with missing data from the childhood cancer survivor study

Planned research population (eligibility criteria) All CCSS cohort (survivors and siblings) who participated in the latest CCSS survey.

Proposed specific aims 1. Describe the missingness in the latest CCSS survey. 2. Determine the bias associated when missingness is ignored. 3. Investigate whether or not multiple imputation technique is a possible solution to address the issue of bias.

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?

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.

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

Second Malignancy

Primary - No Secondary - No

Chronic Disease

Primary - No Secondary - No

Reproductive

Primary - No Secondary - No

Neurologic

Primary - No Secondary - No

Psychology / Neuropsychology

Primary - No Secondary - No

Genetics

Primary - No Secondary - No

Cancer Control

Primary - No Secondary - No

Epidemiology / Biostatistics

Primary - Yes Secondary - No

To describe the anticipated scope of the study, please indicate the specific CCSS data to be included as outcome (primary or secondary) or correlative factors. (Check all that apply)

Late mortality

Primary - No Secondary - No Correlative Factors - No

Second Malignancy

Primary - No Secondary - No Correlative Factors - No

Health Behaviors

Tobacco

Primary - Yes Secondary - No Correlative Factors - No

Alcohol

Primary - Yes Secondary - No Correlative Factors - No

Physical activity

Primary - Yes Secondary - No Correlative Factors - No

Medical screening

Primary - Yes Secondary - No Correlative Factors - No

Other

Primary - No Secondary - No Correlative Factors - No

If other, please specify

Psychosocial

Insurance

Primary - Yes Secondary - No Correlative Factors - No

Marriage

Primary - Yes Secondary - No Correlative Factors - No

Education

Primary - Yes Secondary - No Correlative Factors - No

Employment

Primary - Yes Secondary - No Correlative Factors - No

Other

Primary - No Secondary - No Correlative Factors - No

If other, please specify

Medical conditions

Hearing/Vision/Speech

Primary - No Secondary - No Correlative Factors - No

Hormonal systems

Primary - No Secondary - No Correlative Factors - No

Heart and vascular

Primary - No Secondary - No Correlative Factors - No

Respiratory

Primary - No Secondary - No Correlative Factors - No

Digestive

Primary - No Secondary - No Correlative Factors - No

Surgical procedures

Primary - No Secondary - No Correlative Factors - No

Brain and nervous system

Primary - No Secondary - No Correlative Factors - No

Other

Primary - No Secondary - No Correlative Factors - No

If other, please specify

Medications

Describe medications

Pregnancy and offspring

Primary - No Secondary - No Correlative Factors - No

Family History

Primary - No Secondary - No Correlative Factors - No

Psychologic/Quality of Life

BSI-18

Primary - No Secondary - No Correlative Factors - No

SF-36

Primary - No Secondary - No Correlative Factors - No

CCSS-NCQ

Primary - No Secondary - No Correlative Factors - No

PTS

Primary - No Secondary - No Correlative Factors - No

PTG

Primary - No Secondary - No Correlative Factors - No

Other

Primary - No Secondary - No Correlative Factors - No

If other, please specify

Chronic conditions (CTCAE v3)

Primary - No

Secondary - No

Correlative Factors - No

Health status

Primary - No

Secondary - No

Correlative Factors - No

Demographic**Age**

Primary - No

Secondary - No

Correlative Factors - Yes

Race

Primary - No

Secondary - No

Correlative Factors - Yes

Sex

Primary - No

Secondary - No

Correlative Factors - Yes

Others

Primary - No

Secondary - No

Correlative Factors - No

If others, please specify

Cancer treatment**Chemotherapy**

Correlative Factors - No

Radiation therapy

Correlative Factors - No

Surgery

Correlative Factors - No

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.** Sujuan Huang sujuan.huang@stjude.org Kiri Ness kiri.ness@stjude.org Advices and review of the methods and analyses are needed from the Statistic Center.**Will this project utilize CCSS biologic samples?** No

If yes, which of the following?**Buccal cell DNA****Peripheral blood****Lymphoblastoid cell lines****Second malignancy pathology samples****Other requiring collection of samples****If other, please explain**

Other general comments