Received: 7.23.11
First Name: I-Chan Huang
Last Name: Huang
Institution: University of Florida College of Medicine Department of Health Outcomes and Policy
Address 1: PO Box 100177
Address 2:
City: Gainesville
State/Province: Florida
Country: USA
Zip: 32610-0147
Phone: (352) 265-2514
Alternate Phone:
Email: ichuang@ufl.edu

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

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Project Title: Measurement invariance in health-related quality of life between young adult survivors of childhood cancer and their siblings ity of life
Planned research population (eligibility criteria): Measurement invariance in health-related quality of life between young adult survivors of childhood cancer and their siblings
Proposed specific aims: To test whether measurement properties of the SF-36 are the same or not between young adult survivors of childhood cancer and their siblings
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:
Chronic Disease:
Psychology / Neuropsychology: Primary
Genetics:
Cancer Control:
Epidemiology / Biostatistics:

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:
Second Malignancy: Correlative Factors

Health Behaviors

Tobacco:
Alcohol:
Physical activity: Correlative Factors
Medical screening:
Other:
If other, please specify:

Psychosocial

Insurance: Correlative Factors
Marriage: Correlative Factors
Education: Correlative Factors
Employment: Correlative Factors
Other:
If other, please specify:

Medical conditions

Hearing/Vision/Speech: Correlative Factors
Hormonal systems: Correlative Factors
Heart and vascular: Correlative Factors
Respiratory: Correlative Factors
Digestive: Correlative Factors
Surgical procedures: Correlative Factors
Brain and nervous system: Correlative Factors
Other:
If other, please specify:

Medications

Describe medications:

Pregnancy and offspring:
Family History:

Psychologic/Quality of Life

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

Chronic conditions (CTCAE v3): Correlative Factors
Health status: Correlative Factors

Demographic

Age: Correlative Factors
Race: Correlative Factors
Sex: Correlative Factors
Others:
If others, please specify:

Cancer treatment

Chemotherapy: Correlative Factors
Radiation therapy: Correlative Factors
Surgery: Correlative Factors

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.: I-Chan Huang
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: I will work with Drs Kevin Krull and Leslie Robison to complete this project and then write up a manuscript. I discuss this methodological issue with Dr. Krull and demonstrate my previous experience in this area as PI (one paper in Journal of Clinical Epidemiology [2009] and another paper in Value in Health [2011]). The measurement invariance methodology will provide the evidence of whether measurement bias exits or not between young adult survivors and their siblings, and suggests how to improve it. Thank you!