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Project Title: Psychological and Neurocognitive outcomes in those diagnosed with cancer as adolescent and young adults in the CCSS

Planned research population (eligibility criteria): Survivors who were aged 10-21 yrs of age at time of diagnosis

Proposed specific aims: 1. Describe how the patterns of psychological and neurocognitive outcomes among adolescent and young adult survivors who were diagnosed between the ages of 10 and 21 to survivors diagnosed before 10 years. We will examine linear as well as non-linear trends to age at diagnosis. 2. Determine changes in risk by age at diagnosis from prepubertal (age 10) to young adult status (age 18) by building a model that uses age at diagnosis as a predictor variable. 3. Examine pathways to psychosocial and neurocognitive outcomes for each age group (10-12 yrs, 13-15yrs, 16-18 yrs and 19-21 yrs) risk cohort identified in aim 2.

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?:

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Does this project require contact of CCSS study subjects for . . .

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Additional self-reported information: No

Biological Samples: No

Medical record data: No

If yes to any of the above, please briefly describe.:

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

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Second Malignancy:

Chronic Disease:

Reproductive:

Neurologic:

Psychology / Neuropsychology: Primary

Genetics:

Cancer Control:  
Epidemiology / Biostatistics:

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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)

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Late mortality:  
Second Malignancy:

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Health Behaviors

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

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Psychosocial

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

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Medical conditions

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

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Medications

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Describe medications:

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Pregnancy and offspring:  
Family History:

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Psychologic/Quality of Life

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

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Chronic conditions (CTCAE v3):  
Health status:

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Demographic

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

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Cancer treatment

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

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Anticipated sources of statistical support

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CCSS Statistical Center: Array  
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

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If yes, which of the following?

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Buccal cell DNA:  
Peripheral blood:  
Lymphoblastoid cell lines:  
Second malignancy pathology samples:

Other requiring collection of samples:  
If other, please explain:

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Other general comments: With the help of Dr. Zeltzer and Dr. Krull, we are hoping to learn more about those diagnosed during their adolescence in this large cohort.