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: Comparison of radiation dose reconstruction methods for subsequent neoplasm studies
Planned research population (eligibility criteria): All CCSS participants (diagnosed 1970-1986) will be included. Analyses will focus on participants who agreed to the release of their medical records to obtain information on radiotherapy, with a particular emphasis on participants who were included in the previous case-control studies of radiation dose and risk of subsequent central nervous system, breast, sarcoma, and skin neoplasms.
Proposed specific aims: Assess the validity of the “region-based” SN dose reconstruction by comparing the categorized maximum treatment dose to body regions including the SN to that obtained from the detailed dosimetry conducted for patients from previous case-control studies. The results of this analysis will provide a foundation for CCSS projects that use the region-based dose 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?: The funding for the dosimetry, analysis, and manuscript preparation comes from the Intramural Program, National Cancer Institute.

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
- Chronic Disease:
- Psychology / Neuropsychology:
- Genetics: Secondary
- Cancer Control:
- Epidemiology / Biostatistics: Secondary

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: Primary

Health Behaviors

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

Psychosocial

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

Medical conditions

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

Medications

Describe medications:

Pregnancy and offspring:
Family History:

Psychologic/Quality of Life

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

Chronic conditions (CTCAE v3):
Health status:

Demographic

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

Cancer treatment

Chemotherapy:
Radiation therapy: Correlative Factors
Surgery:

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.
Lindsay Morton (epidemiologist) and Joshua Sampson (biostatistician)
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: