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## Project Requirements and Description

### Requirements to submit AOI

Requirements to submit AOI (all answers must be "yes" to proceed)

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** Functional Independence, Social Isolation, and Activities of Daily Living in Adult Survivors of Pediatric Bone Tumors

### Planned research population (eligibility criteria)

Adult survivors in the CCSS cohort with a primary diagnosis of bone tumor who self-completed the original or expansion baseline surveys and at least one more of the following: FU4, FU5, FU6, FU7, and/or FU8

### Proposed specific aims

1. To identify classes of functional independence and change in class membership over time in aging adult survivors of pediatric bone tumors
2. To examine tumor diagnosis, treatment exposures, surgical procedures, and late health effects associated with functional independence and change in independence over time
3. To examine the impact of functional independence on social isolation, activities of daily living and frailty status in survivors of pediatric bone tumors

**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? (Select all that apply)

	Primary	Secondary
Second Malignancy		
Chronic Disease		✓
Psychology/Neuropsychology	✓	
Genetics		
Cancer Control		
Epidemiology/Biostatistics		

## Outcomes or Correlative Factors

	Primary	Secondary	Correlative Factors
Late Mortality			
Second Malignancy			

## Health Behaviors

	Primary	Secondary	Correlative Factors
Tobacco			
Alcohol			
	Primary	Secondary	Correlative Factors
Physical Activity			
Medical Screening			
Other			

If other, please specify

### Psychosocial

	Primary	Secondary	Correlative Factors
Insurance			✓
Marriage	✓		
Education			✓
Employment	✓		
Other	✓	✓	✓

If other, please specify

Primary: Independent living, assistance with routine and personal care needs, driver's license

Secondary: PROMIS social isolation, activities of daily living, frailty

Correlative factors: Personal/household income

### Medical Conditions

	Primary	Secondary	Correlative Factors
Hearing/Vision/Speech			
Hormonal Systems			
Heart and Vascular			
Respiratory			
Digestive			
Surgical Procedures			✓
Brain and Nervous System			
Other			

If other, please specify

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# Medications

Describe medications

Psychologic/Quality of Life

	Primary	Secondary	Correlative Factors
BSI-18			✓
SF-36			✓
CCSS-NCQ			
PTS			
PTG			
Other			

If other, please specify

Other

	Primary	Secondary	Correlative Factors
Pregnancy and Offspring			
Family History			
Chronic Conditions (CTCAE v3)			✓
Health Status			✓

Demographic

	Primary	Secondary	Correlative Factors
Age			✓
Race			✓
Sex			✓
Other			

If other, please specify

Cancer Treatment

	Correlative Factors
Chemotherapy	✓
Radiation Therapy	✓
Surgery	✓

Anticipated Sources of Statistical Support

CCSS Statistical Center	Yes
Local Institutional Statistician	No

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

If yes, which of the following?

If other, please explain

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Other General Comments

Collaborators include co-first authors Priya Marathe and Chiara Papini  
Mentorship from Katharine Lange, Duncan Ramsey, and Tara Brinkman

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Agree

I agree to share this information with St. Jude

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