Name Xu Ji

Contact Information

Institution Emory University

Address 1760 Haygood Dr NE
Atlanta, GA, 30322
United States

Phone Number 4048840295

Alternate Phone Number

Email Address xu.ji@emory.edu

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 Patterns of Healthcare Utilization Among Medicare- and Medicaid-insured Long-term Survivors of Childhood Cancer

Planned research population (eligibility criteria)

By linking the CCSS cohort to the administrative Medicare and Medicaid claims data from 2009-2023, we will be able to identify CCSS participants (survivors, siblings) who were enrolled in Medicaid only, enrolled in Medicare only, and dual enrolled in Medicare and Medicaid.

Proposed specific aims

The overachieving objective of this proposal is to provide a comprehensive assessment of the real-world utilization of healthcare services, including adherence to guideline-concordant survivorship care and acute care service use (emergency department [ED] visits, hospitalizations), among adult survivors of childhood cancer insured with Medicare and/or Medicaid, with the following specific aims:

Aim 1: Characterize Medicare/Medicaid enrollment patterns (Medicaid only, Medicare only, dual Medicare-Medicaid enrollment), health plan types, and coverage continuity among adult survivors of childhood cancer, as compared to their siblings.

- Aim 1a: Identify how Medicare/Medicaid enrollment patterns differ across survivor subgroups by key sociodemographic (e.g., age, race and ethnicity, income, education) and clinical factors (e.g., chronic health conditions, cancer type, presence of cancer recurrence or second cancer).

Aim 2: Assess the utilization and adherence to guideline-recommended screening for key late effects driving mortality (second cancers, cardiovascular and pulmonary diseases) among childhood cancer survivors insured with Medicare/Medicaid.

- Aim 2a: Determine how utilization and adherence differ by Medicare/Medicaid enrollment patterns (Medicaid only, Medicare only, dual Medicare-Medicaid enrollment) and health plan types (e.g., Medicaid managed care plans vs. fee-for-service, tradition Medicare vs. Medicare Advantage).
- Aim 2b: Identify individual- (e.g., age, sex, race and ethnicity, income, education, chronic health conditions, cancer type, treatment exposure), local area- (e.g., segregation, deprivation), and policy-level factors (e.g., ACA expansion, state Medicaid waivers, prior authorization requirements) driving utilization and adherence among Medicare/Medicaid insured survivors of childhood cancer.

Aim 3: Investigate unmet healthcare needs (as measured by potentially avoidable hospitalizations/ED visits) among childhood cancer survivors insured with Medicare/Medicaid, as compared to their siblings.

- Aim 3a: Assess other health services utilization among Medicare/Medicaid insured survivors and siblings, by provider type and care delivery setting.

Aim 4: Evaluate survivor experience with Medicare/Medicaid coverage (e.g., barriers during the Medicaid-Medicare transitions, coverage discontinuity, cost-sharing concerns) and survivorship care-seeking experience within the Medicare/Medicaid system, by engaging CCSS survivors and siblings in qualitative interviews. We estimate interviewing ~30 CCSS participants.

- Aim 4a: Identify the need for interventions to improve Medicare/Medicaid insurance literacy.

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?

PA-25-172, American Cancer Society Research Scholar Grants

Does this project require contact of CCSS study subjects for:

Additional self-reported information	Yes
Biological samples	No
Medical record data	Yes

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

This proposed study will require CCSS self-reported survey data and abstracted medical records to measure individual-level sociodemographic and clinical factors (as noted in the aims above), as well as patient geographic identifiers that will allow us to link to local area- and policy-level factors.

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			✓
Physical Activity			✓
Medical Screening	✓		
Other			

If other, please specify

Psychosocial

	Primary	Secondary	Correlative Factors
Insurance			✓

	Primary	Secondary	Correlative Factors
Marriage			✓
Education			✓
Employment			✓
Other			

If other, please specify

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

Medications

Describe medications

N/A

Psychologic/Quality of Life

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

	Primary	Secondary	Correlative Factors
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	No
Local Institutional Statistician	Yes

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

Other General Comments

The study team will lead the CCSS-Medicare and CCSS-Medicaid data linkages, with support from the CCSS team. In addition, the study team will conduct all statistical analyses but, as needed, will seek consultation from a CCSS statistician for data questions.

Agree I agree to share this information with St. Jude

This Service is governed by and operated in accordance with US law. If you are located outside of the US, you use this Service voluntarily and at your own risk. If you choose to submit personal data like your name and email address, please note that your Information will be transferred to and processed in the United States. By checking this box while using this Service, you acknowledge that the data protection and other laws of other countries, such as the United States, may provide a less comprehensive or protective standard of protection than those in your country, and consent to your Information being collected, processed and transferred as set forth in the Privacy Policy and US law.