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Project Requirements and Description

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	COMPASS Modeling of Long-Term Outcomes to Guide Contemporary Frontline Treatment Decisions
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Planned research population (eligibility criteria)

All participants who were diagnosed with cancer before the age of 21, received treatment between January 1, 1970, and December 31, 1999, and survived ≥5 years post-diagnosis.

Proposed specific aims

We will refine the Cancer Outcomes Microsimulation: Pediatric and Adolescent Survivorship (COMPASS) model to estimate long-term outcomes across frontline strategies for AYA patients with early-stage classic HL. Our overall objective is to create a decision-focused analytic framework for incorporating survivorship outcomes into frontline AYA HL treatment comparisons. We will focus on AYA HL as the motivating example, with the goal of extending the framework developed other pediatric and AYA cancers where frontline treatment choices create lifelong tradeoffs between disease control and late effects.

Aim 1. Refine COMPASS to translate contemporary AYA HL frontline strategies into cumulative exposures and survivorship outcomes.

Aim 2. Compare projected lifetime outcomes across currently recommended pediatric- and adult-oriented frontline strategies for AYA HL.

Aim 3. Determine how much late toxicity from novel agents would offset their projected benefits over conventional AYA HL strategies.

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?
Renewal R01 application submitted for July 5, 2026 receipt date.

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			
Physical Activity			
Medical Screening			
Other			

If other, please specify

Psychosocial

	Primary	Secondary	Correlative Factors
Insurance			
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

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

Other General Comments

Agree

I agree to share this information with St. Jude

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