

**Kirsten K. Ness, PT, PhD, FAPTA**  
Department of Epidemiology and Cancer Control  
St. Jude Children's Research Hospital  
262 Danny Thomas Place, MS-735  
Memphis, Tennessee 38105-2794  
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### 1. Current Position at St. Jude

Member April 2015 - Present  
Department of Epidemiology and Cancer Control  
St. Jude Children's Research Hospital  
Memphis, TN

### 2. Education and Training

BA in Physical Therapy, The College of St. Scholastica, Duluth, MN 08/1983  
MA in Leadership, The College of St. Scholastica, Duluth, MN 04/1998  
*Thesis: Screening for risk of falls in community dwelling elderly.*  
MPH in Epidemiology, University of Minnesota, Duluth, MN 05/2002  
*Thesis: Characteristics of effective leaders in skilled nursing facilities.*  
PhD in Epidemiology, University of Minnesota, Duluth, MN 12/2004  
*Dissertation: Functional limitations in cancer survivors.*

### 3. Key Accomplishments Summary

I joined the faculty at St. Jude in 2006 as an Assistant Member. I was promoted to Associate Member in 2010 and Full Member in 2015. I am a physical therapist and clinical epidemiologist. My research is focused on recognizing, describing, and remediating functional limitations in childhood cancer survivors. This includes determining the extent to which the disease and/or its treatment have left them with organ system deficits that immediately or eventually interfere with their abilities to participate in normal movement, and thus restrict participation in school, work, leisure time, physical activity, and sport. My work uses epidemiological, clinical, and laboratory approaches to evaluate and describe physical performance, fitness, and physiologic reserve. This work has also helped me determine risk factors for and identify potential biological mechanisms responsible for the impairments that result in functional loss. Data from epidemiologic and clinical investigations have allowed me to understand the specific physical limitations and fitness deficits experienced by children during cancer therapy and by childhood cancer survivors, to identify those most at risk for developing limitations, and to develop interventions designed to prevent physical disability or restore physical health. My more recent work with computational biology and laboratory investigators has allowed me to begin to document the biological processes potentially responsible for the loss of physiologic reserve (frailty) in childhood cancer survivors. My Human Performance Laboratory offers me the opportunity to collaborate with other investigators who are also interested in physiological impairments and problems with movement and physical function. I am a member of the Childhood Cancer Survivor Study (CCSS) Steering, Executive and Publications Committees, the Children's Oncology Group Survivorship and Outcomes Steering Committee and the Oncology Section of the American Physical Therapy Association Research Committee. I serve on the Editorial Boards of the Journal of Pediatric Blood and Cancer, Physical Therapy, Pediatric Physical Therapy and Oncology Rehabilitation. I also serve as a member of the Clinical Management of Patients in Community-Based Settings Study Section for the National Institutes of Health (NIH), and have served as an ad hoc member of several Special Emphasis Panels for the NIH and other granting agencies. At St. Jude, I am the co-chair of both the Global Working Group for the Cancer Prevention and Control Program, serve as the faculty representative to the Federal Demonstration Partnership, and am a member of the Clinical Trials Scientific Review Committee (CTSRC) and the CTSRC Behavioral and Psychosocial Sub-committee. I also teach the Introduction to Epidemiology course for the Master of Science degree program at St. Jude. In the department of Epidemiology and Cancer Control, I manage all of the data requests for the St. Jude Lifetime Cohort data and supervise the workflow of the analytic team. I also manage internal requests for CCSS and other data.

#### 4. Professional Career

Physical Therapist High Plains Easter Seals Rehabilitation Center Sterling, CO	Aug 1983 – Aug 1984
Physical Therapist St. Joseph's Medical Center Brainerd, MD	Aug 1984 – Aug 1986
Physical Therapist Northwest Rehab, Inc. Redwing, MN	Aug 1986 – Aug 1987
Physical Therapist Minnesota Valley Rehabilitation Prior Lake, MN	Aug 1987 – Jan 1992
Physical Therapist Capernaum Pediatric Physical Therapy Minneapolis, MN	Jan 1992 – Jan 1993
Physical Therapist Minneapolis Children's Medical Center Minneapolis, MN	Jan 1993 – Aug 1994
Rehabilitation Director Rehab Dynamics, Inc. Minneapolis, MN	Aug 1994 – June 1998
Instructor Physical Therapy Program University of Minnesota Minneapolis, MN	Jul 1997 – July 1998
Assistant Professor and Academic Coordinator of Clinical Education Physical Therapy Program University of Minnesota Minneapolis, MN	Jul 1998 – June 2002
Physical Therapist Allina/Intrepid USA Minneapolis, MN	May 2002 – Aug 2002
Research Assistant Clinical Research/Epidemiology Division Department of Pediatrics University of Minnesota Medical School Minneapolis, MN	Aug 2002 – Dec 2004
Physical Therapist Fairview University Medical Center Minneapolis, MN	Sept 2000 – June 2006
Teaching Assistant Division of Epidemiology University of Minnesota School of Public Health Minneapolis, MN	Jan 2004 – Feb 2004

Assistant Professor  
Doctor of Physical Therapy Program  
St. Catherine University  
Minneapolis, MN  
Aug 2004 – June 2005

Assistant Professor  
Division of Epidemiology & Clinical Research  
Department of Pediatrics  
University of Minnesota  
Minneapolis, MN  
Jul 2005 – Oct 2006

Assistant Member  
Department of Epidemiology and Cancer Control  
St. Jude Children's Research Hospital  
Memphis, TN  
Nov 2006 – Apr 2010

Associate Member  
Department of Epidemiology and Cancer Control  
St. Jude Children's Research Hospital  
Memphis, TN  
Apr 2010 – Mar 2015

## 5. Certifications and Licensure

Physical Therapist License, Board of Physical Therapy, State of Minnesota  
Aug 1983

American Board of Physical Therapy Specialties, Geriatric Clinical Specialist  
May 1999

Physical Therapist License, Board of Physical Therapy, Health Professional Boards, State of Tennessee  
Nov 2006

## 6. Professional Memberships

American Physical Therapy Association (APTA) – Member  
1982 – Present

Minnesota Chapter – Member, Continuing Education Committee  
1987 – 2002

Minnesota Chapter – Member, Delegate to the United States National House of Representatives  
2000 – 2004

Minnesota Chapter – Member, President  
2002 – 2004

Minnesota Chapter – Member, Board of Directors  
2004 – 2006

Academy of Oncologic Physical Therapy – Member, Research Committee  
2005 – Present

Section on Research, Congressional Fly In  
2014

Children's Oncology Group (COG)

Survivorship and Outcomes Steering Committee – Member  
2006 – Present

Long Term Follow-up Guidelines Steering Committee – Member  
2006 – Present

Long Term Follow-up Guidelines Musculoskeletal Task Force – Member  
2006 – Present

Ewing Sarcoma Study Committee - Member  
2007 – Present

American Society of Clinical Oncology (ASCO) – Member  
2008 – Present

Cancer Survivorship Committee	2013 – 2016
American College of Sports Medicine (ACSM) – Member	2008 – Present
American College of Epidemiology (ACE) – Member	2009 – Present
American Institute for Cancer Research (AICR) – Member	2017 – Present
American Society of Pediatric Hematology and Oncology (ASPHO) – Member	2009 – Present
Society for Pediatric Research (SPR) – Member	2009 – Present
American Association for Cancer Research (AACR) – Member	2015 – Present

## 7. Editorial Board Appointments

Physical Therapy	2017 – Present
Pediatric Physical Therapy, American Physical Therapy Association	2012 – Present
Rehabilitation Oncology, American Physical Therapy Association	2012 – Present
Journal of Clinical Oncology	2013 – 2018
Pediatric Blood and Cancer	2016 – Present

## 8. Grant Review/Study Activities

Health Research Board Ireland	2012, 2013, 2015
Australian National Health and Medical Research Council	2012 – 2013
Foundation for Physical Therapy	2012 – 2014
Pediatric Oncology Group of Ontario	2013
Dutch Cancer Institute	2013, 2014, 2016, 2017
Alberta Centre for Child, Family, and Community Research	2014
Special Emphasis Panels National Institutes of Health	2015 – Current
Dutch Cancer Institute	2016 – 2017
Center for Scientific Review, Nursing and Related Clinical Research Study Section National Institutes of Health	2016 – 2018
Center for Scientific Review, Clinical Management of Patients in Community-based settings National Institutes of Health	2019 – Present

## 9. Honors and Awards

Benedictine Scholar	1979 – 1983
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College of St. Scholastica	
PODS I Scholarship Foundation for Physical Therapy	2003
Elected Member Society for Pediatric Research	2011
Research Award, Oncology Section American Physical Therapy Association (APTA)	2012
Catherine Worthingham Fellow American Physical Therapy Association (APTA)	2015
Team Science Award American Institute for Cancer Research (AACR)	2019
Helen J. Hislop Award for Outstanding Contributions to Professional Literature American Physical Therapy Association (APTA)	2020

#### **10. Institutional and Committee Assignments**

Admissions Committee Program in Physical Therapy University of Minnesota	1997 – 2002
Curriculum Committee Program in Physical Therapy University of Minnesota	2000 – 2002
Cancer Center Protocol Review Committee Cancer Center University of Minnesota	2005 – 2006
Program Evaluation Committee Program in Physical Therapy College of St. Catherine	2004 – 2005
Curriculum Thread Coordinator (Pharmacology, Ethics, Practice Management) Program in Physical Therapy College of St. Catherine	2004 – 2005
Great Places to Work Committee St. Jude Children’s Research Hospital	2007
Health and Wellness Committee St. Jude Children’s Research Hospital	2007 – 2008
Epidemiology and Biostatistics Working Group, Co-chair Cancer Control Survivorship Program St. Jude Children’s Research Hospital	2009 – 2018
Faculty Representative to Federal Demonstration Partnership Grants and Contracts Management Office St. Jude Children’s Research Hospital	2010 – Present
Scientific Review Committee St. Jude Children’s Research Hospital	2013 – Present

Global Outcomes Working Group, Co-chair  
Cancer Control and Survivorship Program  
St. Jude Children's Research Hospital 2018 – Present

ALTE2013 Study Committee, Member  
Children's Oncology Group 2019 – Present

#### 11. Professional Administrative Services

Cancer Rehabilitation Consortium 2014 – 2015  
National Cancer Institute  
Bethesda, Maryland

Scientific Steering Committee on Aging 2017 – Present  
National Cancer Institute  
Bethesda, Maryland

International Guideline Harmonization Group (IGHG) 2017 – Present  
Obesity and Bone Task Force

#### 12. Formal Education/Teaching Activities

##### University Teaching

Therapeutic Procedures 1997 – 2001  
Role: Course Coordinator & Instructor  
University of Minnesota  
Minneapolis, Minnesota

Administration 1997 – 2001  
Role: Lecturer  
University of Minnesota  
Minneapolis, Minnesota

Electrotherapy 1998 – 1999  
Role: Course Coordinator & Instructor  
University of Minnesota  
Minneapolis, Minnesota

Human Growth and Development 1998 – 2000  
Role: Co-instructor  
University of Minnesota  
Minneapolis, Minnesota

Clinical Internships 1998 – 2002  
Role: Academic Coordinator of Clinical Education  
University of Minnesota  
Minneapolis, Minnesota

Professional Issues in Physical Therapy 1999 – 2002  
Role: Course Coordinator & Instructor  
University of Minnesota  
Minneapolis, Minnesota

Total Contact Casting 2000  
Role: Instructor  
University of Minnesota  
Minneapolis, Minnesota

Wound Management Role: Instructor University of Minnesota Minneapolis Minnesota	2000 – 2001
Long Term Care II Role: Course Coordinator & Instructor St. Catherine University St. Paul, Minnesota	2004
Acute Care II Role: Course Coordinator & Instructor St. Catherine University St. Paul, Minnesota	2004
Amputee Clinic Role: Course Coordinator & Instructor St. Catherine University St. Paul, Minnesota	2005
Physical Therapy Management Role: Course Coordinator & Instructor St. Catherine University St. Paul, Minnesota	2005
Fundamentals of Epidemiology Role: Instructor University of Minnesota Minneapolis, Minnesota	2006
Fundamentals of Epidemiology Role: Instructor University of Tennessee Health Science Center Memphis, Tennessee	2007
Professional Development Seminar Role: Co-instructor Northern Arizona University Flagstaff, Arizona	2007 – 2008
Fundamentals of Epidemiology Role: Instructor University of Tennessee Health Science Center Memphis, Tennessee	2008
Cancer Epidemiology Role: Instructor University of Memphis Memphis, Tennessee	Spring 2013
Introduction to Epidemiology Role: Course Coordinator St. Jude Graduate School of Biomedical Sciences Memphis, Tennessee	2019

**Professional Continuing Education Courses**

Frailty and Function in the Geriatric Population	Jan 2000
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<p>Role: Instructor  Area Agency on Aging  Minneapolis, Minnesota</p>	
<p>Geriatric Strength Training  Role: Instructor  Area Agency on Aging  Minneapolis, Minnesota</p>	Apr 2000
<p>Web Resources for Pediatric Physical Therapy  Role: Instructor  Minnesota Chapter  American Physical Therapy Association (APTA)  Minneapolis, Minnesota</p>	Apr 2000
<p>Proprioceptive Neuromuscular Facilitation  Role: Instructor  Fairview Rehabilitation Services  Minneapolis, Minnesota</p>	Feb 2001
<p>Osteoporosis  Role: Instructor  University of Minnesota, Christ Community Health Fair  Minneapolis, Minnesota</p>	May 2001, September 2004
<p>Electrical Stimulation for Movement and Pain Management  Role: Instructor  Empi, Inc.; Peak Function  Marinette, Wisconsin, Minneapolis, Minnesota, Milwaukee, Wisconsin, Fargo, North Dakota, Kansas City, Missouri</p>	Oct 2001, March 2002, October 2002, September 2003, October 2003
<p>Bradykinesia  Role: Instructor  University of Minnesota  Minneapolis, Minnesota</p>	Dec 2001
<p>Pharmacology in Rehabilitation  Role: Instructor  Peak Function, Minnesota Chapter of the American Physical Therapy Association  Minneapolis, Minnesota, Phoenix, Arizona, Des Moines, Iowa, St. Cloud, Minnesota,  Kansas City, Missouri, Minneapolis, Minnesota</p>	Nov 2002, February 2003, March 2003, April 2003, May 2003, September 2004
<p>Rehabilitation for the Active Geriatric Client  Role: Instructor  Peak Function  Des Moines, Iowa, St. Cloud, Minnesota, Minneapolis, Minnesota</p>	Sep 2003, October 2003, February 2004
<p>Physical Therapy Management of the Diabetic Patient  Role: Instructor  Minnesota Chapter  American Physical Therapy Association (APTA)  Minneapolis, Minnesota</p>	Nov 2003
<p>Wound Management  Role: Instructor  Minnesota Chapter  American Physical Therapy Association (APTA)  Minneapolis, Minnesota</p>	Dec 2003
<p>Evidence in Practice</p>	Mar 2004, February 2005,



Role: Instructor  
Minnesota Chapter  
American Physical Therapy Association (APTA)  
Minneapolis, Minnesota

April 2005, January 2005,  
April 2005, September 2005,  
November 2005

Rehabilitation of the Cancer Patient  
Role: Instructor  
Extendicare  
New Brighton, Minnesota

Jun 2005

Evidence Based Interventions in Public Health  
Role: Instructor  
Area Agencies on Aging  
St. Paul, Minnesota

Jan 2006

### **Graduate and Post-Doctoral Students, Fellows**

Rachel Bakken  
Masters Student  
Role: Committee Member, Mentor  
Thesis Title: Effect of aerobic exercise on tracking performance in elderly people: A pilot study  
University of Minnesota  
Minneapolis, Minnesota

2000 (Graduated)

Trevor Erlandson  
Masters Student  
Role: Committee Member, Mentor  
Thesis Title: Effect of aerobic exercise on tracking performance in elderly people: A pilot study  
University of Minnesota  
Minneapolis, Minnesota

2000 (Graduated)

Jennifer Hake  
Masters Student  
Role: Committee Member  
Thesis Title: Effect of aerobic exercise on tracking performance in elderly people: A pilot study  
University of Minnesota  
Minneapolis, Minnesota

2000 (Graduated)

Todd Intihar  
Masters Student  
Role: Committee Member  
Thesis Title: Effect of aerobic exercise on tracking performance in elderly people: A pilot study  
University of Minnesota  
Minneapolis, Minnesota

2000 (Graduated)

Chris Kramer  
Masters Student  
Role: Committee Member, Advisor  
Thesis Title: Meta-analysis of the efficacy of vestibular rehabilitation  
University of Minnesota  
Minneapolis, Minnesota

2000 (Graduated)

Kathy Moody  
Masters Student  
Role: Committee Member, Advisor  
Thesis Title: Meta-analysis of the efficacy of vestibular rehabilitation  
University of Minnesota

2000 (Graduated)

Minneapolis, Minnesota

Brian Maldonado 2000 (Graduated)  
Masters Student  
Role: Committee Member, Advisor  
Thesis Title: Quality of life outcomes and physical therapy treatment in patients with osteoarthritis  
University of Minnesota  
Minneapolis, Minnesota

Jodi Nelson 2000 (Graduated)  
Masters Student  
Role: Committee Member, Advisor  
Thesis Title: Quality of life outcomes and physical therapy treatment in patients with osteoarthritis  
University of Minnesota  
Minneapolis, Minnesota

Jeannine Kayser Scheetz 2000 (Graduated)  
Masters Student  
Role: Committee Member, Advisor  
Thesis Title: Meta-analysis of the efficacy of vestibular rehabilitation  
University of Minnesota  
Minneapolis, Minnesota

Alan Lindblad 2000 (Graduated)  
Masters Student  
Role: Committee Member, Advisor  
Thesis Title: Meta-analysis of the efficacy of vestibular rehabilitation  
University of Minnesota  
Minneapolis, Minnesota

Christy Lohn 2000 (Graduated)  
Masters Student  
Role: Committee Member, Advisor  
Thesis Title: Meta-analysis of the efficacy of vestibular rehabilitation  
University of Minnesota  
Minneapolis, Minnesota

Laurel McQueen 2000 (Graduated)  
Masters Student  
Role: Committee Member, Advisor  
Thesis Title: Meta-analysis of the efficacy of vestibular rehabilitation  
University of Minnesota  
Minneapolis, Minnesota

Heidi Paulson 2000 (Graduated)  
Masters Student  
Role: Committee Member, Advisor  
Thesis Title: Meta-analysis of the efficacy of vestibular rehabilitation  
University of Minnesota  
Minneapolis, Minnesota

Amy Pegors 2000 (Graduated)  
Masters Student  
Role: Committee Member, Advisor  
Thesis Title: Meta-analysis of the efficacy of vestibular rehabilitation  
University of Minnesota  
Minneapolis, Minnesota

<p>Brynn Bate  Masters Student  Role: Committee Member, Advisor  Thesis Title: Joint repositioning accuracy in the lower extremities of non-impaired subjects  University of Minnesota  Minneapolis, Minnesota</p>	<p>2001 (Graduated)</p>
<p>Kristina Lund  Masters Student  Role: Committee Member, Advisor  Thesis Title: Joint repositioning accuracy in the lower extremities of non-impaired subjects  University of Minnesota  Minneapolis, Minnesota</p>	<p>2001 (Graduated)</p>
<p>Kathy Boley  Masters Student  Role: Committee Member, Advisor  Thesis Title: Joint repositioning accuracy in the lower extremities of non-impaired subjects  University of Minnesota  Minneapolis, Minnesota</p>	<p>2001 (Graduated)</p>
<p>Jennifer Hansen  Masters Student  Role: Committee Member, Advisor  Thesis Title: Joint repositioning accuracy in the lower extremities of non-impaired subjects  University of Minnesota  Minneapolis, Minnesota</p>	<p>2001 (Graduated)</p>
<p>Eva Rychly  Masters Student  Role: Co-advisor  Thesis Title: The effects of a physical therapist designed strengthening and aerobic conditioning program on strength, balance and physical performance in individuals with chronic alcoholism  University of Minnesota  Minneapolis, Minnesota</p>	<p>2001 (Graduated)</p>
<p>Heather Knoebel  Masters Student  Role: Co-advisor  Thesis Title: The effects of a physical therapist designed strengthening and aerobic conditioning program on strength, balance and physical performance in individuals with chronic alcoholism  University of Minnesota  Minneapolis, Minnesota</p>	<p>2001 (Graduated)</p>
<p>Becky Jakala  Masters Student  Role: Committee Member  Thesis Title: Vestibulo-ocular reflex suppression and risk for falling in elderly females  University of Minnesota  Minneapolis, Minnesota</p>	<p>2002 (Graduated)</p>
<p>Leanne Keplinger  Masters Student  Role: Committee Member  Thesis Title: Vestibulo-ocular reflex suppression and risk for falling in elderly females  University of Minnesota  Minneapolis, Minnesota</p>	<p>2002 (Graduated)</p>

Eileen Palattao Masters Student Role: Committee Member Thesis Title: Vestibulo-ocular reflex suppression and risk for falling in elderly females University of Minnesota Minneapolis, Minnesota	2002 (Graduated)
Mike Stay Masters Student Role: Committee Member Thesis Title: Vestibulo-ocular reflex suppression and risk for falling in elderly females University of Minnesota Minneapolis, Minnesota	2002 (Graduated)
Ryan Koepf Masters Student Role: Committee Member Thesis Title: Reliability and validity of 1RM testing in older persons University of Minnesota Minneapolis, Minnesota	2003 (Graduated)
Sara Kragerud Masters Student Role: Committee Member Thesis Title: Reliability and validity of 1RM testing in older persons University of Minnesota Minneapolis, Minnesota	2003 (Graduated)
Trisha Gehler Masters Student Role: Committee Member Thesis Title: Reliability and validity of 1RM testing in older persons University of Minnesota Minneapolis, Minnesota	2003 (Graduated)
Summer Eid Masters Student Role: Committee Member Thesis Title: Reliability and validity of 1RM testing in older persons University of Minnesota Minneapolis, Minnesota	2003 (Graduated)
Kari Overton Professional Doctorate Role: Co-advisor Thesis Title: The beliefs of men and women over the age of 65 about age and gender appropriateness of selected physical activities College of St. Catherine Saint Paul, Minnesota	2005 (Graduated)
Jennifer Gilles Professional Doctorate Role: Co-advisor Thesis Title: The beliefs of men and women over the age of 65 about age and gender appropriateness of selected physical activities College of St. Catherine Saint Paul, Minnesota	2005 (Graduated)
Barbara Stanley Professional Doctorate Student	2005 (Graduated)

Role: Co-advisor  
 Thesis Title: The beliefs of men and women over the age of 65 about age and gender appropriateness of selected physical activities  
 College of St. Catherine  
 Saint Paul, Minnesota

Kathy Nelson 2005 (Graduated)  
 Professional Doctorate  
 Role: Co-advisor  
 Thesis Title: The beliefs of men and women over the age of 65 about age and gender appropriateness of selected physical activities  
 College of St. Catherine  
 Saint Paul, Minnesota

Sarah Jerstad 2006 (Graduated)  
 Post-doctoral Student  
 Role: Project Director  
 Thesis Title: The impact of physical activity and body image on depression and depressive symptoms over time in adolescent girls  
 University of Minnesota  
 Minneapolis, MN

Allison Brachlow 2007 (Graduated)  
 Medical Fellow  
 Role: Committee Member  
 Thesis Title: The medical home for families of children with autism spectrum disorder  
 University of Minnesota  
 Minneapolis, Minnesota

Stephen Austria 2007 (Graduated)  
 Professional Doctorate  
 Role: Committee Chair  
 Thesis Title: Strength, functional capacity, and mobility among adult survivors of childhood acute lymphoblastic leukemia and age and gender matched controls  
 College of St. Catherine  
 Saint Paul, Minnesota

Rachel Davis 2007 (Graduated)  
 Professional Doctorate  
 Role: Committee Chair  
 Thesis Title: Strength, functional capacity, and mobility among adult survivors of childhood acute lymphoblastic leukemia and age and gender matched controls  
 College of St. Catherine  
 Saint Paul, Minnesota

Daniel Day 2007 (Graduated)  
 Professional Doctorate  
 Role: Committee Chair  
 Thesis Title: Strength, functional capacity, and mobility among adult survivors of childhood acute lymphoblastic leukemia and age and gender matched controls  
 College of St. Catherine  
 Saint Paul, Minnesota

Jennifer Huntzinger 2007 (Graduated)  
 Professional Doctorate  
 Role: Committee Chair  
 Thesis Title: Strength, functional capacity, and mobility among adult survivors of childhood acute lymphoblastic leukemia and age and gender matched controls  
 College of St. Catherine  
 Saint Paul, Minnesota

<p>Nate Lee  Professional Doctorate  Role: Committee Chair  Thesis Title: Strength, functional capacity, and mobility among adult survivors of childhood acute lymphoblastic leukemia and age and gender matched controls  College of St. Catherine  Saint Paul, Minnesota</p>	<p>2007 (Graduated)</p>
<p>Cindy Sonntag  Professional Doctorate  Role: Committee Chair  Thesis Title: Strength, functional capacity, and mobility among adult survivors of childhood acute lymphoblastic leukemia and age and gender matched controls  College of St. Catherine  Saint Paul, Minnesota</p>	<p>2007 (Graduated)</p>
<p>Beth Kurt  Medical Fellow  Role: Committee Member  Thesis Title: Hospitalization rates in childhood cancer survivors  University of Tennessee Health Sciences Center  Memphis, Tennessee</p>	<p>2008 (Graduated)</p>
<p>Roxanna Gapstur  Doctoral Student  Role: Committee Member  Thesis Title: Sleep and quality of life in childhood brain tumor survivors  University of Minnesota  Minneapolis, Minnesota</p>	<p>2010 (Graduated)</p>
<p>Adam Pignon  Professional Doctorate  Role: Committee Member, Project Director  Thesis Title: Fitness in adolescents with hematological disorders  University of Tennessee Health Sciences Center  Memphis, Tennessee</p>	<p>2010 (Graduated)</p>
<p>Laura Barclay  Professional Doctorate  Role: Committee Member, Project Director  Thesis Title: Fitness in adolescents with hematological disorders  University of Tennessee Health Sciences Center  Memphis, Tennessee</p>	<p>2010 (Graduated)</p>
<p>April Batts  Professional Doctorate  Role: Committee Member, Project Director  Thesis Title: Fitness in adolescents with hematological disorders  University of Tennessee Health Sciences Center  Memphis, Tennessee</p>	<p>2010 (Graduated)</p>
<p>Laura Ashbridge  Professional Doctorate  Role: Committee Member, Project Director  Thesis Title: Fitness in adolescents with hematological disorders  University of Tennessee Health Sciences Center  Memphis, Tennessee</p>	<p>2010 (Graduated)</p>
<p>Leah Andrews</p>	<p>2010 (Graduated)</p>

Professional Doctorate Role: Committee Member, Project Director Thesis Title: Fitness in adolescents with hematological disorders University of Tennessee Health Sciences Center Memphis, Tennessee	2010 (Graduated)
Kathryn Barry Professional Doctorate Role: Committee Member, Project Director Thesis Title: The effects of ankle foot orthoses on gait efficiency in children with chemotherapy induced motor neuropathy University of Tennessee Health Sciences Center Memphis, Tennessee	2010 (Graduated)
Ashleigh Bingham Professional Doctorate Role: Committee Member, Project Director Thesis Title: The effects of ankle foot orthoses on gait efficiency in children with chemotherapy induced motor neuropathy University of Tennessee Health Sciences Center Memphis, Tennessee	2010 (Graduated)
Katie Freeman Professional Doctorate Role: Committee Member, Project Director Thesis Title: The effects of ankle foot orthoses on gait efficiency in children with chemotherapy induced motor neuropathy University of Tennessee Health Sciences Center Memphis, Tennessee	2010 (Graduated)
Kristyn Gumz Professional Doctorate Role: Committee Member, Project Director Thesis Title: The effects of ankle foot orthoses on gait efficiency in children with chemotherapy induced motor neuropathy University of Tennessee Health Sciences Center Memphis, Tennessee	2010 (Graduated)
Jessica Welker Professional Doctorate Role: Committee Member, Project Director Thesis Title: The effects of ankle foot orthoses on gait efficiency in children with chemotherapy induced motor neuropathy University of Tennessee Health Sciences Center Memphis, Tennessee	2010 (Graduated)
Mary Sue Ingman Doctoral Student Role: Dissertation Committee Chair Thesis Title: The relationship between physical activity and quality of life in adults after bariatric surgery Rocky Mountain University of Health Professions Provo, Utah	2011 (Graduated)
Tseng Tien Huang Post-Doctoral Student Role: Mentor Project Title: The effects of childhood cancer and its treatment on pulmonary function St. Jude Children's Research Hospital Memphis, Tennessee	2011 (Graduated)

<p>Tina Chang  Masters Student  Role: Committee Member  Thesis Title: Physical activity for children undergoing Haematopoietic Stem Cell Transplantation (HSCT)  The University of New South Wales  Sydney, NSW, Australia</p>	<p>2013 (Graduated)</p>
<p>Carmen Wilson  Post-Doctoral Student  Role: Mentor  Project Title: Genome-wide investigations of the late effects of therapy among survivors of childhood cancer  St. Jude Children's Research Hospital  Memphis, Tennessee</p>	<p>2014 (Graduated)</p>
<p>Prasad Gawade  Post-Doctoral Student  Role: Mentor  Project Title: Internet intervention to promote physical activity in young adolescent survivors of childhood ALL  St. Jude Children's Research Hospital  Memphis, Tennessee</p>	<p>2014 (Graduated)</p>
<p>Carrie R. Howell  Doctoral Student  Role: Committee Member  Project Title: Obesity and mortality in Hispanics  University of Alabama at Birmingham  Birmingham, Alabama</p>	<p>2015 (Graduated)</p>
<p>Hesham Eissa  Oncology Fellow  Role: Mentor  Project Title: Function and quality of life in survivors of pediatric HSCT  St. Jude Children's Research Hospital  Memphis, Tennessee</p>	<p>Completed 2016</p>
<p>Troels Thorsteinsson, PhD  Doctoral Candidate  Role: Thesis Opponent  Project Title: Rehabilitation including Social and Physical Activity in Children and Teenagers with Cancer  Graduate School of Health and Medical Sciences, University of Copenhagen  Copenhagen, Kingdom of Denmark</p>	<p>Completed 2017</p>
<p>Hannah Williams  MPH Student  Role: Mentor  Project Title: Clinical predictors of Type II diabetes in survivors of childhood leukemia  St. Jude Children's Research Hospital  Memphis, Tennessee</p>	<p>Completed 2017</p>
<p>Kelly McCastlain  MPH Student  Role: Mentor  Project Title: Mitochondrial copy number and frail health in childhood cancer survivors  St. Jude Children's Research Hospital  Memphis, Tennessee</p>	<p>Completed 2018</p>



<p>Emma Chase          MPH Student          Role: Mentor          Project Title: Prevalence of disordered balance in adult survivors of childhood cancer and its contributions to overall function          St. Jude Children’s Research Hospital          Memphis, Tennessee</p>	Completed 2018
<p>Kari Bjornard, MD          Oncology Fellow          Role: Mentor          Project Title: Psychosexual health in female survivors of childhood cancer          St. Jude Children’s Research Hospital          Memphis, Tennessee</p>	Completed 2019
<p>Seyedeh Mitra Varedi Kolaei, MS          PhD Student          Role: Mentor          Project Title: Postural control in childhood ALL survivors          St. Jude Children’s Research Hospital          Memphis, Tennessee</p>	Completed 2019
<p>Tejaswi Kandula, MD          Role: Thesis Examiner          Project Title: Chemotherapy induced peripheral neuropathy in children          University of New South Wales          Sydney, New South Wales, Commonwealth of Australia</p>	Completed 2019
<p>Samah Hayek, PhD          Role: Mentor          Project Title: Characteristics of childhood cancer survivors with frail health          St. Jude Children’s Research Hospital          Memphis, Tennessee</p>	Completed 2019
<p>Boudewijn Boon          Role: Thesis Defense          Project title: Playscapes: Creating space for young children’s physical activity and play          Delft University of Technology          The Netherlands</p>	2017 – present
<p>Chelsea Goodenough, PhD          Post-Doctoral Student          Role: Mentor          Project Title: TBD          St. Jude Children’s Research Hospital          Memphis, Tennessee</p>	2019 – present
<p>Jaspreet Sodhi, PhD          Post-Doctoral Student          Role: Mentor          Project Title: TBD          St. Jude Children’s Research Hospital          Memphis, Tennessee</p>	2019 – present

### 13. Grant Awards

#### A. Active Grants

R01CA036401	EVANS	07/01/84 – 06/30/21
Pharmacogenomics of Childhood Leukemia ALL		
To elucidate pharmacogenomics determinants of drug effects in children with ALL.		
Role: Co-investigator		
Award Amount: \$428,894.00		
Percentage of effort: .60 calendar year		
U01CA195547, NCI	HUDSON	07/09/15 – 06/30/20
The St. Jude Lifetime Cohort		
To expand eligibility of the SJLIFE cohort to include a clinically well-characterized cohort of five-year survivors, to undertake uniform medical assessments in all cohort participants, to establish a resource for the conduct of innovative intervention-based research, and to develop innovative methodologies to maintain the SJLIFE cohort.		
Role: Co-investigator		
Award amount: \$841,109.00		
Percentage of effort: 1.20 calendar year		
R01CA187079, NCI	CONKLIN	07/13/15 – 06/30/20
Prophylactic multimodal cognitive intervention for children with medulloblastoma		
The primary aim of this study is to test the efficacy of a prophylactically administered computerized working memory intervention among patients with newly diagnosed medulloblastoma. Secondly, we will compare the cognitive impact of a computerized working memory intervention administered in conjunction with an aerobic exercise intervention relative to either intervention alone and use fMRI to examine neuroplasticity associated with working memory training.		
Role: Co-investigator		
Award amount: \$338,775.00		
Percentage of effort: .60 calendar year		
U24CA055727, NIH/NCI	ARMSTRONG	12/01/06 – 11/30/21
Childhood Cancer Survivor Study		
The major goal of this study is to test a series of specific hypotheses related to treatment-specific sequelae in survivors of childhood cancer.		
Role: Co-investigator, Steering Committee Member		
Award amount: \$2,527,574.00		
Percentage of effort: .60 calendar year		
R01CA193478, NCI	NESS	07/01/16 – 06/30/22
Web-based Physical Activity Intervention for Children with ALL		
To evaluate the effects of an interactive web-based physical activity intervention on fitness, markers of cardiometabolic health, physical activity, quality of life, fatigue, and school attendance among children/adolescents following treatment for ALL. To determine if the effects of an interactive web-based physical activity intervention on markers of cardiometabolic health are mediated by changes in fitness among children among children and adolescents following treatment for ALL.		
Role: Principal Investigator		
Award amount: \$318,249.00		
Percentage of effort: 3.60 calendar year		
R01CA215405, NCI	KRULL	08/01/20 – 07/31/21
Sleep Apnea in Survivors of Childhood Cancer Treated with Thoracic Radiation (APNEA)		
To compare the frequency of obstructive sleep apnea in adult survivors of childhood cancer treated with thoracic radiation compared to age, gender and race matched community controls, to identify specific therapeutic factors associated with obstructive sleep apnea in adult survivors of childhood cancer treated with thoracic radiation, To examine cardiac, pulmonary, central nervous system, and neuromuscular morbidity in adult survivors with versus without obstructive.		
Role: Other Significant Contributor		
Award amount: \$250,000.00		
Percentage of effort: .12%		
R01HL136480 Lurie Children's Hospital of Chicago, NHLBI	LIEM/HANKINS	04/01/17 – 03/31/22
The Pro-Inflammatory Effects of Acute Exercise in Children with Sickle Cell Anemia		
Specific Aims: 1) Characterize the effect of varying exercise intensity on the acute inflammatory response to exercise,		

defined by an increase in soluble vascular cell adhesion molecule and other inflammatory biomarkers; 2) Determine the effect of maximal exercise challenge on changes in forced expiratory volume in one second and other parameters on lung spirometry; and 3) Explore the immunogenomic and epigenetic basis of the acute inflammatory response to exercise challenge.

Role: Co-investigator

Award amount: \$50,778.00

Percentage of effort: .30 calendar year

R01CA218397, NCI

HUANG

04/01/18 – 03/31/23

Patient-reported outcomes version of the CTCAE for childhood cancer survivors

To establish content validity of symptomatic adverse events (AEs) for adult survivors of childhood cancers based on the current patient-reported outcomes version of the Common Terminology Criteria for Adverse Events (PRO-CTCAE), to validate a modified PRO-CTCAE for survivors of childhood cancer (PRO-CTCAE-SCC) using clinical parameters and psychometric methodology, and to develop tailored versions of PRO-CTCAE-SCC, including core and expansion versions, for survivors who experience different diagnoses and treatment modalities.

Role: Co-investigator

Award amount: pending review

Percentage of effort: 0.3 calendar year

## B. Pending Grants

ALEXS LEMONADE STAND FDN (ALSF)

TILLERY

07/01/20 – 06/30/22

A novel approach to promoting healthy lifestyle behaviors among adolescent cancer patients transitioning off treatment. The overall goal of this project is to develop a tool (i.e., DCE) that can be used to quantify preferences and inform the development of HLB interventions, ensuring that the resulting interventions meet the unique motivators and needs of adolescents transitioning off-treatment. The necessary steps for developing a DCE include: 1) uncovering preferences for engagement in HLB interventions (currently being conducted by the PI), 2) selection of attributes and choice option generation (Aim 1), and 3) refining the resulting DCE to maximize validity.

ALEXS LEMONADE STAND FDN (ALSF)

WANG

07/01/20 – 06/30/22

To evaluate prospective contributions of EAA to the risk of chronic diseases among survivors of childhood cancer. To evaluate longitudinally how modifiable health behaviors affect EAA among survivors of childhood cancer. To investigate interconnectedness between EAA and LTL, and their independent contributions to the risk of chronic diseases

ALEXS LEMONADE STAND FDN (ALSF)

DIXON

07/01/20 – 06/30/23

A Diabetes Prevention Intervention in Prediabetic Survivors of Childhood Cancer

The primary objective is to provide essential feasibility data for a future randomized intervention trial for prevention of diabetes and associated cardiac complications in this high-risk population with secondary objectives to evaluate the effect of treatment on measures of glycemic control, insulin resistance, anthropometric measures, physical activity and health-related quality of life.

1U01CA246510

ARMSTRONG

07/01/20 – 06/30/24

Sen-Survivors: A placebo-controlled intervention trial for frailty and senescence

To test the efficacy of senolytic agents (combination of Dasatinib plus Quercetin, and Fisetin alone) to improve the following measures: frailty measures based on the Fried criteria, senescent cell abundance in blood, markers of inflammation, insulin resistance bone resorption and cognitive function.

R01NR019005, NINR

NESS/WANG

07/01/20 – 06/30/25

Health behaviors, telomere dynamics and chronic diseases in aging survivors of childhood cancer

The goals of this project are to examine prospective contributions of LTL and LTL dynamics (change over time) to chronic diseases, to determine impact of health behaviors and other psychosocial risk factors on LTL dynamics, and to investigate other mechanistic aging biomarkers within the same context of health behaviors, psychosocial risk factors, and chronic diseases.

Role: Principal Investigator

Award Amount: pending review

Percentage of effort: 2.4 calendar year

R01HD092620, NICHD

NESS

07/01/20 – 06/30/25

Low magnitude stimulation to prevent bone loss in children with ALL

To evaluate the impact of LMS on bone mineral density in children during therapy for ALL. We hypothesize that children with ALL randomized to LMS will have less tibia and lumbar bone loss than children randomized to placebo; to evaluate the impact of LMS on markers of bone turnover in children during therapy for ALL. We hypothesize that children with ALL randomized to LMS will have bone turnover markers more favorable to osteogenesis than children randomized to placebo.

Role: Principal Investigator 2.4 calendar year

Award amount: pending review

Percentage of effort: 2.4 calendar year

1U01CA246570, NCI

NESS/JEFFERIES

07/01/20 – 06/30/25

Telehealth based exercise intervention to improve functional capacity in survivors of childhood cancer with significantly limited exercise tolerance

To determine the efficacy of an individually tailored, home-delivered aerobic, and strengthening intervention to improve exercise capacity in survivors of childhood cancer with exercise intolerance. To determine the effects of an individually tailored, home-delivered aerobic, and strengthening intervention on measures of cardiac, pulmonary, musculoskeletal, and neurosensory function in survivors of childhood cancer with exercise intolerance.

Role: Principal Investigator

Award amount:

Percentage of effort:

35CA242424, NCI

KRULL

07/01/20 – 06/30/27

Cognitive Aging in Long-Term Survivors of Childhood Leukemia and Lymphoma

To develop phenotypes of cognitive/brain aging in adult survivors of childhood cancer, identify chronic health conditions and behaviors related to cognitive/brain aging phenotypes, and examine biomarkers that predict and elucidate mechanisms of cognitive/brain aging phenotypes.

Role: Co-investigator

Award Amount: \$550,084

Percentage of effort: .60 calendar year

R01NR01910, NINR

NESS/GRAMATGES/LUPO

10/01/20 – 09/30/25

An integrated biobehavioral approach to characterizing frailty in survivors of childhood leukemia

The objective of this work is to adopt a biobehavioral approach that investigates the relationship between frailty and biological indicators of cellular stress and aging, in addition to psychological and behavioral outcomes, in survivors of the most common childhood cancer, acute lymphoblastic leukemia (ALL).

Role: Principal Investigator

Award Amount: pending review

Percentage of effort: 2.4 calendar year

R01 – pending

MOUSTAFI-MOAB

10/01/20 – 09/30/25

Intensive tailored exercise training with NAO+ precursor supplementation to improve muscle quality in childhood cancer survivors.

To determine the effect of combination therapy (exercise + NR) on skeletal muscle mass and quality (OXPHOS capacity, strength) in AYA survivors of HCT. To measure the effect of combination therapy (exercise + NR) on aerobic capacity in AYA survivors of HCT.

Role: Co-investigator

Award Amount: pending for review

Percentage of effort: 5%

### C. Completed Grants

R21CA106778, NCI/NIH

GURNEY

07/01/04 – 06/30/06

Metabolic syndrome in adult survivors of childhood ALL

To ascertain the prevalence of metabolic syndrome in adult survivors of childhood ALL

Role: Co-Investigator

Award amount: \$323,831.00

Percentage of effort: 1.2 calendar year

R01CA107143, NIH/NCI

ROSS

04/01/05 – 11/01/06

Predictors of adult leukemia

To investigate risk factors for myeloid leukemia in Minnesota adults and focused on NSAIDs, farming, and genetic susceptibility.

Role: Co-investigator

Award amount: \$527,845.00

Percentage of effort: .0.6 calendar year

R01CA113930, NIH/NCI

STEINBERGER

12/01/05 – 11/01/06

Metabolic syndrome in childhood cancer survivors

To examine the differences in insulin resistance, metabolic syndrome risk factors and endothelial function in childhood cancer survivors.

Role: Co-investigator

Award amount: \$492,060.00

Percentage of effort: 1.2 calendar year

NCI-Cancer Center Rapid Pilot, NCI

NESS

01/01/06 – 08/31/06

Physical performance, disability and QOL in childhood brain tumor survivors

To estimate effect sizes for the larger, eventually funded study designed to document the prevalence of physical performance limitations in adult survivors of childhood brain tumors.

Role: Principal Investigator

Award amount: \$25,000.00

Percentage of effort: 1.2 calendar year

Minnesota Medical Foundation

NESS

01/01/06 – 12/31/06

Medical late effects, health behaviors, function and quality of life in Langerhans' cell histiocytosis survivors

To document the prevalence and types of medical late effects experienced by survivors of Langerhans' Cell Histiocytosis.

Role: Principal Investigator

Award amount: \$25,000.00

Percentage of effort: 1.2 calendar year

R01CA112530, NIH/NCI

BAKER

07/01/06 – 11/01/06

Metabolic syndrome following transplant for leukemia

To determine the prevalence of metabolic syndrome in leukemia survivors who were treated with stem cell transplant and compare them to healthy controls similar in age and gender.

Role: Co-investigator

Award amount: \$407,807.00

Percentage of effort: 1.2 calendar year

Wyckoff Foundation Children's Cancer Research Fund

NESS

07/01/06 – 11/01/06

Function, disability and QOL in survivors of bone tumors

To evaluate physical function, self-reported disability status and quality of life in adult survivors of childhood onset bone tumors.

Role: Principal Investigator

Award amount: \$10,000.00

Percentage of effort: 0.6 calendar year

RSGPB CPPB-112069, ACS

NESS

07/01/06 – 12/31/09

Physical performance, disability and QOL in childhood brain tumor survivors

To estimate the prevalence of physical performance limitations in adult survivors of childhood brain tumors, compare physical performance between childhood BT survivors and population controls, estimate the impact of physical performance limitations on quality of life, and to determine the characteristics of BT survivors at greatest risk for a functional loss.

Role: Principal Investigator

Award amount: \$190,271.00

Percentage of effort: 1.20 calendar year

Children's Cancer Research Fund

PETRYK

07/01/06 – 06/31/07

Bone mineral resorption in children after hematopoietic cell transplantation.

To evaluate the association between markers of bone turnover and bone mineral density in children following hematopoietic cell transplantation.



Percentage of effort: N/A

CDFA:84.133G2011-1, NIDRR

STRAUSER

10/01/11 – 09/30/14

Evaluating the efficacy of an occupational intervention targeting young adult brain tumor survivors

To provide an occupational development and work adjustment intervention for young adult brain tumor survivors to increase likelihood of placement in educational programs with adequate supports or gainful and fitting employment.

Role: Consultant

Award amount: N/A

Percentage of effort: N/A

R01CA157838, NCI

ARMSTRONG

02/27/12 – 12/31/16

Longitudinal Cardiotoxicity in Adult Survivors of Childhood Cancer

To determine longitudinal change in cardiac function, in an aging population of adult survivors of childhood cancer, exposed to anthracycline chemotherapy and/or cardiac-directed RT. To identify whether myocardial strain provides early detection of functional cardiotoxicity (exercise capacity measured as maximum VO<sub>2</sub>) compared to ejection fraction, the standard measure of cardiac function utilized in current screening strategies.

Role: Co-investigator

Award amount: \$375,619.00

Percentage of effort: .60 calendar year

ACS RSG-12-181-02-PCSM CHCM, ACS

GILCHRIST

07/01/12 – 06/30/16

Clinical predictors of persistent vincristine-associated neuropathy

To assess both acute and persistent neuropathy in children treated with vincristine for leukemia, lymphoma and Wilms tumor.

Role: Principal Investigator

Award amount: \$78,4707.00

Percentage of effort: 1.2 calendar year

BIQSFP, NCI/Yale University

KADAN-LOTTICK

07/01/12 – 06/30/15

Longitudinal assessment of peripheral neuropathy and motor function in children treated for average risk ALL

This proposal is integrated within the COG protocol AALL 0932, Treatment of Patients with Newly Diagnosed Standard Risk B-Precursor Acute Lymphoblastic Leukemia (ALL) and is designed to document the prevalence and history of chemotherapy induced peripheral neuropathy and its impact on motor function during treatment for childhood onset ALL.

Role: Co-investigator

Award amount: \$179,730.00

Percentage of effort: 2.1 calendar year

ZAMZEE HOPELAB

NESS

03/01/13 – 02/28/14

Web-based physical activity intervention in adolescent cancer survivors

To evaluate the effects of a rewards-based physical activity intervention delivered via an interactive website in young adolescent cancer survivors

Role: Principal Investigator

Award amount: Device and website access

Percentage of effort: 0.6 calendar year

R01CA174794, NCI

KRULL

04/01/13 – 03/31/18

Brain integrity in survivors of childhood cancer treated with thoracic radiation

To evaluate brain integrity in adult survivors of childhood cancer treated with thoracic radiation therapy, identify therapeutic factors associated with brain integrity in adult survivors at risk for cardiac and pulmonary morbidity, to examine associations between cardiac, vascular and pulmonary health and brain integrity in those survivors.

Role: Co-investigator

Award amount: \$349,525.00

Percentage of effort: 0.6 calendar year

U10CA180886 CHOP COG, NCI

NESS

04/11/14 - 02/28/19

COG NCTN-GOC BIQSFP AALL0932

Longitudinal assessment of peripheral neuropathy in children enrolled in AALL0932

Role: Principal Investigator

Award amount: \$11,708.00

Percentage of effort: .6 calendar year

Tennessee Physical Therapy Association

DEFEO

05/01/14 – 04/30/16

Functional outcomes for children, adolescents, and young adults with osteonecrosis following hip decompression. To describe functional outcomes of children, adolescents, and young adults with osteonecrosis of the femoral head following core decompression surgery.

Role: Faculty sponsor

Award amount: \$10,000

Percentage of effort: 0%

R01CA174851, NCI

NESS

05/07/14 – 04/30/20

A longitudinal assessment of frailty in young adult survivors of childhood cancer

To enumerate the prevalence of physiologic frailty over time in a group of young adult survivors of childhood cancer, to describe the association between frailty and five year incidence of new chronic conditions, and to describe the associations between personal factors, cancer-related treatment modalities, health behaviors, and frailty in this population.

Role: Principal Investigator

Award amount: \$303,512.00 (sub \$66,409.00)

Percentage of effort: 2.76 calendar year

American Institute for Cancer Research

NESS

01/01/15 – 12/31/17

Impact of resistance training-protein supplementation on lean muscle mass in CCS

To compare changes in lean muscle mass, muscle strength, walking speed, self-reported exhaustion and physical activity levels between childhood cancer survivors randomized to a resistance training program with protein supplementation or a resistance training program with placebo supplementation. To compare changes in parameters of metabolic health between childhood cancer survivors randomized to a resistance training program with protein supplementation or a resistance training program with placebo supplementation.

Role: Principal Investigator

Award amount: \$68,049.00

Percentage of effort: .84 calendar year

#### 14. Clinical Trials Involvement

Diminished Bone Mineral Density in Survivors of Childhood Acute Lymphoblastic Leukemia (ALL): A Severity-Adapted Clinical Trial Role: Co-investigator	12/17/99 – closed to accrual but open to follow-up
Image Guided Radiotherapy for the Treatment of Musculoskeletal Tumors: A Phase II Prospective Evaluation of Radiation-Related Treatment Effects Role: Co-investigator	01/07/03 – closed to accrual but open to follow-up
A Study of Bevacizumab, a Humanized Monoclonal Antibody Against Vascular Endothelial Growth Factor (VEGF), in Combination with Chemotherapy for Treatment of Osteosarcoma Role: Co-investigator	07/03/08 – closed to accrual but open to follow-up
Physical Activity to Modify Sequelae and Quality of Life in Childhood Acute Lymphoblastic Leukemia (ALL) Role: Co-investigator	05/05/09 – 03/21/18
Resistance and Aerobic Exercise for Subclinical Anthracycline Cardiomyopathy Role: Co-investigator	09/22/09 – 06/18/14
A Multicenter, Open-label, Single-arm Study Assessing Dyad (Subject and Caregiver) Perception of Convenience and Preference of the Newly Developed Genotropin Mark VII PEN Role: Co-investigator	10/13/09 – 05/04/10
Vibration Intervention for Bone Enhancement in Childhood Cancer Survivors Role: Co-investigator	11/05/09 – 10/18/17



A Phase II Trial of Limited Surgery and Proton Therapy for Craniopharyngioma and Observation for Craniopharyngioma after Radical Resection Role: Co-investigator	06/28/11 – closed to accrual but open to follow-up
Constraint Induced Movement Therapy in a Pediatric Oncology Population Role: Faculty Sponsor	09/26/11 – 09/21/15
A Pilot Study on the Effects of Preoperative Physical Therapy in Adolescents and Young Adults Diagnosed with a Lower Extremity Malignancy Role: Faculty Sponsor	08/22/12 – 02/17/17
A Randomized Web-based Physical Activity Intervention in Adolescent Survivors of Childhood Cancer Role: Principal Investigator	01/12/13 – 12/10/18
A Clinical and Molecular Risk-Directed Therapy for Newly Diagnosed Medulloblastoma (SJMB12) Role: Co-investigator	05/28/13 – Present
Therapeutic Trial for Patients with Ewing Sarcoma Family of Tumor and Desmoplastic Small Round Cell Tumors Role: Co-investigator	07/23/13 - closed to accrual but open to follow-up
A Phase II Trial of Surgery and Fractionated Re-irradiation for Recurrent Ependymoma Role: Co-investigator	03/18/14 – Present
Feasibility of Implementing Yoga Intervention for Adolescents at St Jude Children's Research Hospital Role: Faculty Sponsor	06/01/15 – 02/02/2017
A Phase II Study Incorporating Panobinostat, Bortezomib and Liposomal Vincristine Into Re-Induction Therapy For Relapsed Pediatric T-Cell Acute Lymphoblastic Leukemia or Lymphoma Role: Co-investigator	06/03/15 – 06/06/18
Impact of Resistance Training and Protein Supplementation on Lean Muscle Mass in Childhood Cancer Survivors Role: Principal Investigator	07/06/15 - closed to accrual but open to follow-up
A Phase II Trial of Intensity-Modulated Proton Therapy for Incompletely Resected Craniopharyngioma and Observation for Craniopharyngioma after Radical Resection Role: Co-investigator	05/19/16 – ongoing
Total Therapy XVII (TOTXVII) for Newly Diagnosed Patients with Acute Lymphoblastic Leukemia and Lymphoma Role: Co-investigator	03/28/17 – ongoing
A Randomized Web-based Physical Activity Intervention among Children and Adolescents with Acute Lymphoblastic Leukemia Role: Principal Investigator	08/31/17 – ongoing
Impact of an Orthotic Intervention on Physical Function in Children with Chemotherapy-Induced Peripheral Neuropathy Role: Faculty Sponsor	04/30/18 – ongoing
Pediatric Classical Hodgkin Lymphoma Consortium Study: cHOD17 Role: Co-investigator	10/26/18 – ongoing

A Feasibility of Preventive Atorvastatin Use in Adult Childhood Hodgkins Disease Survivors Treated with Neck Radiation: A Pilot Study Pending IRB approval  
Role: Co-investigator

Tranexamic Acid (TXA) to Reduce Volume of Blood Transfused in Pediatric and Young Adult Cancer Patients Undergoing Limb Salvage Procedure of a Lower Extremity Pending IRB approval  
Role: Co-investigator

## 15. Publication Record

### A. Peer Reviewed Publications

#### i. Original Research Articles

1. **Ness KK**. The use of the MDS 2.0 to measure rehabilitation outcomes in skilled nursing facilities. *J Rehabil Outcomes Meas.* 2000;4:22-30. Role: First author, corresponding author
2. **Ness KK**, Gray K, Snell S, Thompson LV. The effects of a physical therapist designed strengthening and aerobic conditioning program on strength, balance and physical performance in individuals with chronic alcoholism. *Issues on Aging.* 2001;23:14-18. Role: First author, corresponding author
3. **Ness KK**, Gurney JG, Ishani S. Screening for risk of falls in the elderly in a community health fair setting: A feasibility study. *Issues on Aging.* 2001;24:12-16. Role: First author
4. Carey JR, **Ness KK**. Erosion of professional behaviors in physical therapy students. *J Phys Ther Educ.* 2001;15:20-23. Role: Senior author
5. Gurney JG, Fritz MS, **Ness KK**, Sievers P, Newschaffer CJ, Shapiro EG. Analysis of prevalence trends of autism spectrum disorder in Minnesota. *Arch Pediatr Adolesc Med.* 2003 Jul;157(7):622-627. PubMed PMID: 12860781.
6. **Ness KK**, Gurney JG, Ice GH. Screening, education, and associated behavioral responses to reduce risk for falls among people over age 65 years attending a community health fair. *Phys Ther.* 2003 Jul;83(7):631-637. PubMed PMID: 12837124. Role: First author, corresponding author
7. Gurney JG, **Ness KK**, Stovall M, Wolden S, Punyko JA, Neglia JP, Mertens AC, Packer RJ, Robison LL, Sklar CA. Final height and body mass index among adult survivors of childhood brain cancer: Childhood Cancer Survivor Study. *J Clin Endocrinol Metab.* 2003 Oct;88(10):4731-4739. PubMed PMID: 14557448.
8. Kadan-Lottick NS, **Ness KK**, Bhatia S, Gurney JG. Survival variability by race and ethnicity in childhood acute lymphoblastic leukemia. *JAMA.* 2003 Oct 15;290(15):2008-2014. PubMed PMID: 14559954.
9. **Ness KK**, Wall MM, Olsen RA, Boergerhoff LA, Gurney JG. Screening for risk of falling in the community-dwelling elderly may increase fear of falling. *J Geriatr Phys Ther.* 2004 Sep 15;27:100-104. Role: First author, corresponding author
10. Baker KS, Gurney JG, **Ness KK**, Bhatia R, Forman SJ, Francisco L, McGlave PB, Robison LL, Snyder DS, Weisdorf DJ, Bhatia S. Late effects in survivors of chronic myeloid leukemia treated with hematopoietic cell transplantation: results from the Bone Marrow Transplant Survivor Study. *Blood.* 2004;104(6):1898-1906. PubMed PMID: 15172972.
11. **Ness KK**, Oakes JM, Punyko JA, Baker KS, Gurney JG. Prevalence of the metabolic syndrome in relation to self-reported cancer history. *Ann Epidemiol.* 2005 Mar;15(3):202-206. PubMed PMID: 15723765. Role: First author, corresponding author
12. Laverdière C, Cheung NK, Kushner BH, Kramer K, Modak S, LaQuaglia MP, Wolden S, **Ness KK**, Gurney JG, Sklar CA. Long-term complications in survivors of advanced stage neuroblastoma. *Pediatr Blood Cancer.* 2005 Sep;45(3):324-332. PubMed PMID: 15714447.

13. Meacham LR, Gurney JG, Mertens AC, **Ness KK**, Sklar CA, Robison LL, Oeffinger KC. Body mass index in long-term adult survivors of childhood cancer: A report from the Childhood Cancer Survivor Study. *Cancer*. 2005 Apr 15;103(8):1730-1739. PubMed PMID: 15761876.
14. Punyko JA, Mertens AC, Baker KS, **Ness KK**, Robison LL, Gurney JG. Long-term survival probabilities for childhood rhabdomyosarcoma. A population-based evaluation. *Cancer*. 2005 Apr 1;103(7):1475-1483. PubMed PMID: 15712283.
15. **Ness KK**, Bhatia S, Baker KS, Francisco L, Carter A, Forman SJ, Robison LL, Rosenthal J, Gurney JG. Performance limitations and participation restrictions among childhood cancer survivors treated with hematopoietic stem cell transplantation: the Bone Marrow Transplant Survivor Study. *Arch Pediatr Adolesc Med*. 2005 Aug;159(8):706-713. PubMed PMID: 16061776. Role: First author, corresponding author
16. **Ness KK**, Mertens AC, Hudson MM, Wall MM, Leisenring WM, Oeffinger KC, Sklar CA, Robison LL, Gurney JG. Limitations on physical performance and daily activities among long-term survivors of childhood cancer. *Ann Intern Med*. 2005 Nov 1;143(9):639-647. PubMed PMID: 16263886. Role: First author, corresponding author
17. **Ness KK**, Wall MM, Oakes JM, Robison LL, Gurney JG. Physical performance limitations and participation restrictions among cancer survivors: A population-based study. *Ann Epidemiol*. 2006 Mar;16(3):197-205. PubMed PMID: 16137893. Role: First author, corresponding author
18. Gurney JG, **Ness KK**, Rosenthal J, Forman SJ, Bhatia S, Baker KS. Visual, auditory, sensory, and motor impairments in long-term survivors of hematopoietic stem cell transplantation performed in childhood: results from the Bone Marrow Transplant Survivor Study. *Cancer*. 2006 Mar 15;106(6):1402-1408. PubMed PMID: 16453335.
19. Schultz KP, **Ness KK**, Nagarajan R, Steiner ME. Adnexal masses in infancy and childhood. *Clin Obstet Gynecol*. 2006 Sep;49(3):464-479. PubMed PMID: 16885654.
20. Fraser CJ, Bhatia S, **Ness K**, Carter A, Francisco L, Arora M, Parker P, Forman S, Weisdorf D, Gurney JG, Baker KS. Impact of chronic graft-versus-host disease on the health status of hematopoietic cell transplantation survivors: A report from the Bone Marrow Transplant Survivor Study. *Blood*. 2006 Oct 15;108(8):2867-2873. PubMed PMID: 16788100.
21. Gurney JG, **Ness KK**, Sibley SD, O'Leary M, Dengel DR, Lee JM, Youngren NM, Glasser SP, Baker KS. Metabolic syndrome and growth hormone deficiency in adult survivors of childhood acute lymphoblastic leukemia. *Cancer*. 2006 Sep 15;107(6):1303-1312. PubMed PMID: 16894525.
22. Nathan PC, Jovcevska V, **Ness KK**, Mammone D'Agostino N, Staneland P, Urbach SL, Barron M, Barrera M, Greenberg ML. The prevalence of overweight and obesity in pediatric survivors of cancer. *J Pediatr*. 2006 Oct;149(4):518-525. PubMed PMID: 17011325.
23. Nathan PC, **Ness KK**, Greenberg ML, Hudson M, Wolden S, Davidoff A, Laverdiere C, Mertens A, Whitton J, Robison LL, Zeltzer L, Gurney JG. Health-related quality of life in adult survivors of childhood Wilms tumor or neuroblastoma: A report from the Childhood Cancer Survivor Study. *Pediatr Blood Cancer*. 2007 Oct 15;49(5):704-715. PubMed PMID: 16830322.
24. Steele JR, Raymond RL, **Ness KK**, Alvi S, Kearney I. A comparative study of sociocultural factors and young adults' smoking in two Midwestern communities. *Nicotine Tob Res*. 2007 Jan;9 Suppl 1:S73-S82. PubMed PMID: 17365729.
25. Baker KS, **Ness KK**, Steinberger J, Carter A, Francisco L, Burns LJ, Sklar C, Forman S, Weisdorf D, Gurney JG, Bhatia S. Diabetes, hypertension, and cardiovascular events in survivors of hematopoietic cell transplantation: A report from the Bone Marrow Transplantation Survivor Study. *Blood*. 2007 Feb;109(4):1765-1772. PubMed PMID: 17047152.
26. **Ness KK**, Baker KS, Dengel DR, Youngren N, Sibley S, Mertens AC, Gurney JG. Body composition, muscle strength deficits and mobility limitations in adult survivors of childhood acute lymphoblastic leukemia. *Pediatr Blood Cancer*. 2007 Dec;49(7):975-981. PubMed PMID: 17091482. Role: First author, corresponding author

27. Perkins JL, Kunin-Batson AS, Youngren NM, **Ness KK**, Ulrich KJ, Hansen MJ, Petryk A, Steinberger J, Anderson FS, Baker KS. Long-term follow-up of children who underwent hematopoietic cell transplant (HCT) for AML or ALL at less than 3 years of age. *Pediatr Blood Cancer*. 2007 Dec;49(7):958-963. PubMed PMID: 17474113.
28. Brachlow AE, **Ness KK**, McPheeters ML, Gurney JG. Comparison of indicators for a primary care medical home between children with autism or asthma and other special health care needs: National Survey of Children's Health. *Arch Pediatr Adolesc Med*. 2007 Apr;161(4):399-405. PubMed PMID: 17404138.
29. Gurney JG, Tersak JM, **Ness KK**, Landier W, Matthay KK, Schmidt ML; Children's Oncology Group. Hearing loss, quality of life, and academic problems in long-term neuroblastoma survivors: A report from the Children's Oncology Group. *Pediatrics*. 2007 Nov;120(5):e1229-1236. PubMed PMID: 17974716.
30. Gurney JG, Donohue JE, **Ness KK**, O'Leary M, Glasser SP, Baker KS. Health knowledge about symptoms of heart attack and stroke in adult survivors of childhood acute lymphoblastic leukemia. *Ann Epidemiol*. 2007 Oct;17(10):778-781. PubMed PMID: 17662616.
31. Majhail NS, **Ness KK**, Burns LJ, Sun CL, Carter A, Francisco L, Forman SJ, Bhatia S, Baker KS. Late effects in survivors of Hodgkin and non-Hodgkin lymphoma treated with autologous hematopoietic cell transplantation: A report from the Bone Marrow Transplant Survivor Study. *Biol Blood Marrow Transplant*. 2007 Oct;13(10):1153-1159. PubMed PMID: 17889351.
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## ii. Original Research Articles Accepted for Future Publication

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3. Wilson CL, Liu W, Chemaitilly W, Howell CR, Srivastava DK, Howell RM, Hudson MM, Robison LL, **Ness KK**. Body composition, metabolic health and functional impairment among adults treated for abdominal and pelvic tumors during childhood. *Cancer Epidemiol Biomarkers Prev*. 2020 (in press).
4. Bishop MW, **Ness KK**, Li C, Srivastava DK, Chemaitilly W, Krull KR, Green DM, Pappo AS, Robison LL, Hudson MM, Mulrooney DA. Cumulative burden of chronic health conditions in adult survivors of osteosarcoma and Ewing Sarcoma: A report from the St. Jude Lifetime Cohort Study. *Cancer Epidemiol Biomarkers Prev*. May 2020 (in press). Role: Senior author
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## iii. Original Research Articles Submitted for Review

1. Inaba H, Varechtchouk O, Neel M, Ehrhardt M, Metzger M, Karol S, **Ness KK**, Robeiro R, Pui CH, Relling M, Sandlund J, Kaste S. Whole-joint magnetic resonance imaging to assess osteonecrosis in patients with acute lymphoblastic lymphoma. *Haematologica*. 2019; submitted for review.
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#### iv. Book Chapters and Monographs

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#### v. Reviews and Conference Proceedings

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## vi. Reviews and Conference Proceedings Accepted for Future Publication

## vii. Editorials and Commentaries

1. **Ness KK**, Rao BN, Daw NC. More than physical function: HRQOL among children and adolescents with lower extremity bone sarcoma. *Pediatr Blood Cancer*. 2009 Sep;53(3):310-311. PubMed PMID: 19544376. Role: First author, corresponding author
2. **Ness KK**, Chemaitilly W, Kaste SC. Vertebral compression fractures during chemotherapy for childhood acute lymphoblastic leukemia: commentary on a report from the STeroid Associated Osteoporosis in the Pediatric Population (STOPP) research program. *Transl Pediatr*. 2012 Oct;1(2):65-67. PubMed PMID: 26835265. Role: First author, corresponding author
3. Armstrong GT, Joshi VM, Zhu L, Srivastava D, Zhang N, **Ness KK**, Stokes DC, Krasin MT, Fowler JA, Robison LL, Hudson MM, Green DM. Reply to P.J. Leary et al. *J Clin Oncol*. 2013 Aug 1;31(22):2834-2835. PubMed PMID: 24058930
4. **Ness KK**, Armstrong GT. Screening for cardiac autonomic dysfunction among Hodgkin lymphoma survivors treated with thoracic radiation. *J Am Coll Cardiol*. 2015 Feb 17;65(6):584-585. PubMed PMID: 25677318. Role: First author
5. Marina NM, Liu Q, Donaldson SS, Sklar CA, Armstrong GT, Oeffinger KC, Leisenring WM, Ginsberg JP, Henderson TO, Neglia JP, Stovall MA, Yasui Y, Randall RL, Geller DS, Robison LL, **Ness KK**. Reply to Second malignancies in Ewing sarcoma survivors. *Cancer*. 2017 Oct 15;123(20):4075-4076. PubMed PMID: 28837220. Role: Senior author
6. **Ness KK**, Gilchrist L. Innovations in rehabilitation for people who have cancer or who have survived cancer. *Phys Ther*. 2020 Mar 10;100(3):361-362. PubMed PMID: 32154896. Role: First author

## viii. Abstracts

1. **Ness KK**. Characteristics of leaders of effective teams in skilled nursing facilities. APTA Combined Sections Meeting. Seattle, WA. February 3-8, 1999. Role: First author
2. **Ness, KK**. Thompson LV. The effects of physical therapist designed strengthening and aerobic conditioning on balance in individuals with diagnoses of chronic alcoholism. APTA Combined Sections Meeting. Seattle, WA. February 3-8, 1999. Role: First author
3. **Ness KK**, Gray K. Thompson LV. Gender differences in outcome in individuals with diagnoses of chronic alcoholism following a physical therapist designed strengthening intervention. APTA Combined Sections Meeting. New Orleans, LA. February 1-6, 2000. Role: First author
4. **Ness KK**, Wall MM, Olsen RA, Boergerhoff LA, Gurney JG. Screening for risk of falling in the community-dwelling elderly may increase fear of falling. APTA Combined Sections Meeting. Nashville, TN. February 4-8, 2004. Role: First author
5. Meacham LR, Gurney JG, Mertens AC, **Ness KK**, Sklar CA, Robison LL, Oeffinger KC. Body mass index (BMI) and final height in adult survivors of childhood cancer: A report from the Childhood Cancer Survivor Study (CCSS). (a) 16th SPR Annual Meeting. Old Greenwich, CT. March 26-28, 2004. Poster presentation. (b) 8th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Niagara-on-the-Lake, Ontario, Canada. June 2004. Oral presentation.
6. **Ness KK**, Bhatia S, Baker KS, Francisco L, Carter A, Forman SJ, Robison LL, Rosenthal J, Gurney JG. Performance limitations and participation restrictions among HCT survivors treated during childhood: The Bone Marrow Transplant Survivor Study. 46th ASH Annual Meeting. San Diego, CA. December 4-7, 2004. Role: First author
7. **Ness KK**, Baker KS, Gurney JG. Strength and mobility limitations in adult survivors of childhood ALL. APTA Combined Sections Meeting. New Orleans, LA. February 23-27. 2005. Role: First author
8. Gurney JG, O'Leary M, **Ness KK**, Shalamar SD, Baker KS. Metabolic syndrome and growth hormone deficiency in adult survivors of childhood acute lymphoblastic leukemia. 18th ASPHO Annual Meeting. Washington, DC. May 13-



16, 2005.

9. **Ness KK**, Mertens AC, Hudson MM, Wall MM, Leisenring WM, Oeffinger KC, Sklar CA, Robison LL, Gurney JG. Physical performance limitations and participation restrictions among long-term childhood cancer survivors: the Childhood Cancer Survivor Study. 18th ASPHO Annual Meeting. Washington, DC. May 13-16, 2005. Poster presentation. First author, corresponding author
10. Baker KS, **Ness K**, Steinberger J, Carter A, Francisco L, Burns L, Sklar C, Forman S, Weisdorf D, Gurney J, Bhatia S. Diabetes, hypertension and cardiovascular events in survivors of hematopoietic cell transplantation (HCT): A report from the Bone Marrow Transplant Survivor Study. 47th ASH Annual Meeting. Atlanta, GA. December 10-12, 2005.
11. Fraser C, Bhatia S, **Ness K**, Carter A, Francisco L, Arora M, Parker P, Forman S, Weisdorf D, Gurney J, Baker KS. Impact of chronic graft versus host disease (cGVHD) on the health status of hematopoietic cell transplantation (HCT) survivors: A report from the Bone Marrow Transplant Survivor Study. 47th ASH Annual Meeting. Atlanta, GA. December 10-12, 2005.
12. Gurney JG, **Ness KK**, Rosenthal J, Forman SJ, Bhatia S, Baker KS. Cataracts and other neurosensory and neuromotor late effects in Childhood HSCT survivors. 47th ASH Annual Meeting. Atlanta, GA. December 10-12, 2005.
13. Schultz KAP, **Ness KK**, Whitton J, Recklitis C, Zebrack B, Robison L, Zeltzer L, Mertens AC. Social Adjustment of Adolescent Survivors in the Childhood Cancer Survivor Study. 9th International Conference on Long Term Complications of Treatment of Children and Adolescent for Cancer. June 2006. Platform presentation.
14. **Ness K**, Mertens AC, Zeltzer L, Gurney J, Leisenring W, Robison LL. Physical performance and health related quality of life in adult survivors of childhood cancer. Psychosocial and Neurocognitive Consequences of Childhood Cancer. 2006. Platform presentation. Role: First author
15. Mertens AC, Schultz KA, **Ness KK**, Whitton J, Recklitis C, Zebrack B, Zeltzer L, Robison LL. Social Adjustment in Survivors of Childhood Cancer: A Report from the CCSS. 3rd APOS Annual Conference. Amelia Island, FL. February 16-19, 2006. Poster presentation.
16. **Ness KK**, Baker KS, Gurney JG. Motor impairments in adult survivors of childhood Acute Lymphoblastic Leukemia. 30th ASPO Annual Meeting. Bethesda, MD. February 26-28, 2006. Role: First author
17. Brachlow AE, **Ness KK**, McPheeters M, Gurney JG. Do children with autism have a medical home? PAS Annual Meeting. San Francisco, CA. April 29-May 2, 2006.
18. **Ness KK**, Mertens AC, Zeltzer L, Gurney JG, Leisenring W, Robison LL. Physical performance and health related quality of life in adult survivors of childhood cancer. Psychosocial and Neurocognitive Consequences of Childhood Cancer: A Symposium Tribute to Raymond K. Mulhern. Memphis, TN. September 18, 2006. Role: First author
19. Mulrooney DA, Dover DC, Yasui Y, **Ness K**, Mertens AC, Neglia JP, Sklar CA, Robison LL, Davies SM. Twenty Years of Follow-Up Among Survivors of Childhood and Young Adult Acute Myeloid Leukemia (AML): A Report from the Childhood Cancer Survivor Study (CCSS). 48th ASH Annual Meeting. December 9-12, 2006. Orlando, FL. December 9-12, 2006. Media platform presentation.
20. Gilchrist L, Mertens A, Neglia J, Kunin-Batson A, Oakes JM, Gross C, **Ness K**. Physical impairments and performance limitations in survivors of childhood brain tumors. APTA Combined Sections Meeting. Chicago, IL. February 14-18, 2007. Role: Senior author
21. **Ness KK**, Baker KS, Nagarajan R, Jurek A, Clohisey DR. Strength, fitness, mobility and health related quality of life in survivors of lower extremity bone tumors. APTA Combined Sections Meeting. Chicago, IL. February 14-18, 2007. Role: First author
22. Nathan PC, Greenberg ML, **Ness KK**, Mahoney MC, Gurney JG, Hudson MM, Donaldson SS, Leisenring WM, Robison LL, Oeffinger KC. Risk-based care in survivors of childhood cancer: A report from the Childhood Cancer Survivor Study (CCSS). 43rd ASCO Annual Meeting. Chicago, IL. June 1-5, 2007.

23. Armstrong GT, **Ness KK**, Whitton J, Leisenring W, Yasui Y, Zeltzer L, Donaldson SS, Hudson M, Robison LL, Packer R. Long-term outcomes among survivors of childhood central nervous system tumors: A report from the Childhood Cancer Survivor Study. (a) 44th ASCO Annual Meeting. May 30-June 3, 2008. Oral presentation. (b) ISPNO Annual Meeting. Chicago, IL. June 30-July 2, 2008. (c) 37th CNS Annual Meeting. Santa Clara, CA. November 5-8, 2008.
24. **Ness KK**, Leisenring WM, Huang S, Hudson MM, Gurney JG, Whelan K, Hobbie WL, Lanctot JQ, Armstrong GT, Robison LL, Oeffinger KC. Physical activity - patterns and predictors of sedentary lifestyle among adult survivors of childhood cancer. 10th International Conference Long-Term Complications of Treatment of Children and Adolescents for Cancer. Niagara on the Lake, Ontario, Canada. June 6-7, 2008. Role: First author
25. Ginsberg JP, **Ness K**, Goodman P, Leisenring W, Robison LL, Oeffinger KC. Long-term follow-up among survivors of childhood Ewing's sarcoma: A report of the Childhood Cancer Survivor Study (CCSS). 10th International Conference Long-Term Complications of Treatment of Children and Adolescents for Cancer. Niagara on the Lake, Ontario, Canada. June 6-7, 2008.
26. Meacham LR, Chow EJ, Kamdar KY, **Ness KK**, Chen Y, Yasui Y, Oeffinger KC, Sklar CA, Robison LL, Mertens AC. Cardiovascular risk factor cluster in adult survivors of pediatric cancer: A report of the Childhood Cancer Survivor Study (CCSS). 10th International Conference Long-Term Complications of Treatment of Children and Adolescents for Cancer. Niagara on the Lake, Ontario, Canada. June 6-7, 2008.
27. Smith WA, Hudson MM, **Ness KK**. Physical activity in cancer survivors versus controls with no history of cancer from the national health and nutrition survey (NHANES) 2003-2004. 10th International Conference Long Term Complications of Treatment of Children and Adolescents for Cancer. Niagara on the Lake, Ontario, Canada. June 6-7, 2008. Role: Senior author
28. Robien K, **Ness KK**, Klesges LM, Baker S, Gurney JG. Poor adherence to dietary recommendations among adult survivors of childhood acute lymphoblastic leukemia. 4th Biennial Cancer Survivorship Research Conference: Mapping the New Challenges. Atlanta, GA. June 18-20, 2008.
29. Klesges LM, **Ness KK**, Lanctot JQ, Lown A, Whalen K, Huang S, Leisenring W, Stovall M, Oeffinger K, Robison L, Hudson M. Prevalence and clustering of multiple behavioural risk factors in adult survivors of childhood cancer. 4th Biennial Cancer Survivorship Research Conference: Mapping the New Challenges. Atlanta, GA. June 18-20, 2008. Poster presentation.
30. **Ness KK**, Nolan VG, Morris EB, Howell CR, Gilchrist LS, Neglia JP. Limitations in physical function among adult survivors of childhood brain tumors. 22<sup>nd</sup> ASPHO Annual Meeting. San Diego, CA. April 22-25, 2009. Role: First author
31. Armstrong GT, Pan Z, **Ness KK**, Srivastava DK, Robison LL. Temporal trends in cause-specific late mortality among five-year survivors of childhood cancer. ASCO Annual Meeting. Orlando, FL. May 29-June 2, 2009.
32. Kurt BA, Nolan VG, **Ness KK**, Neglia JP, Tersak JM, Hudson MM, Armstrong GT, Hutchinson RJ, Leisenring WM, Oeffinger KC, Robison LL, Arora M. Hospitalization rates among survivors of childhood cancer in the Childhood Cancer Survivor Study cohort. ASCO Annual Meeting. Orlando, FL. May 29-June 2, 2009.
33. Krull KR, Huang S, Hudson MM, Gurney JG, Srivastava DK, Klosky J, **Ness KK**, Leisenring W, Termuhlen A, Robison LL. Adolescent psychopathology and adult health behaviors in long-term survivors of childhood cancer: Findings from the Childhood Cancer Survivors Study. ASCO Annual Meeting. Orlando, FL. May 29-June 2, 2009.
34. Morris B, Khan R, Ledet D, Howell C, Pui CH, Hudson MM, **Ness KK**. Neurological morbidity in survivors of childhood acute lymphoblastic leukemia (ALL). ASCO Annual Meeting. Orlando, FL. May 29-June 2, 2009. Role: Senior author
35. Nathan PC, **Ness KK**, Hudson MM, Mahoney M, Ford JS, Landier W, Armstrong GT, Henderson TO, Robison LL, Oeffinger KC. Cancer screening in adult survivors of childhood cancer: A report from the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting. Orlando, FL. May 29-June 2, 2009.
36. Kirchoff AC, Leisenring W, **Ness KK**, Park ER, Friedman DL, Oeffinger KC, Armstrong GT, Krull KR, Robison LL, Wickizer T. Unemployment due to illness or disability in the Childhood Cancer Survivor Study (CCSS).

Academy Health. Chicago, IL. June 28-30, 2009.

37. Kirchoff AC, Leisenring W, **Ness KK**, Park ER, Friedman DL, Oeffinger KC, Armstrong GT, Krull KR, Robison LL, Wickizer T. Health-related unemployment among survivors and siblings in the Childhood Cancer Survivor Study (CCSS). National Research Service Award Trainees Meeting. 26<sup>th</sup> Annual AcademyHealth Research Meeting. June 28-30, 2009. Oral presentation.
38. Hudson MM, Armstrong GT, Cox CL, Green DM, Klosky JL, Krull KR, Metzger ML, Morris EB, **Ness KK**, Spunt SL, Srivastava DK, Robison LL. Establishment of a lifetime clinical cohort of adult survivors of childhood cancer: the SJLIFE protocol. ESLCCC Annual Meeting. Edinburgh, Scotland, United Kingdom of Great Britain and Northern Ireland. October 29-30, 2009.
39. Jain N, Hudson MM, Morris B, **Ness KK**, Srivastava DK, Robison LL, Krull KR. Neurobehavioral functioning and fatigue in very long-term survivors of Hodgkin disease. 38th International Neuropsychological Society Annual Meeting. Acapulco, United Mexican States. February 2010.
40. Kirchoff AC, Krull KR, **Ness KK**, Park ER; Friedman DL, Armstrong GT, Stovall M, Oeffinger KC, Hudson M, Robison LL, Leisenring W. Occupational status of adult survivors of childhood cancer: A report from the Childhood Cancer Survivors Study. ASPO Annual Meeting. Bethesda, MD. March 21-23, 2010. Poster presentation.
41. **Ness KK**, Hudson MM, Pui CH, Green DM, Karlage R, Robison LL, Morris EB. Signs and symptoms of peripheral neuropathy in adult survivors of childhood ALL: Associations with physical performance and chemotherapy doses. ASCO Annual Meeting. Chicago, IL. May 8, 2010. Role: First author
42. Smith WA, Carlyle BE, Huang S, **Ness KK**. Measured versus self-reported physical function in adult survivors of childhood cancer. 57th Annual Meeting & 1st World Congress on Exercise is Medicine. Baltimore, MD. June 1-5, 2010.
43. Hudson MM, Nolan VG, **Ness KK**, Armstrong GT, Green DM, Krull KR, Spunt SM, Srivastava DK, Robison LL. Yield from risk-based screening in adults treated for cancer in childhood. ASCO Annual Meeting. Chicago, IL. June 4-8, 2010. Role: Co-first author
44. **Ness KK**, Smith WA, Hudson MM, Robison LL. Balance in childhood cancer survivors who were treated with platinum: A pilot study. (a) APTA Combined Sections Meeting. San Diego, CA. February 17-20, 2010. (b) 11th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Williamsburg, VA. June 11, 2010. Role: First author
45. Green DM, Zhu L, Stovall M, Nolan V, **Ness K**, Donaldson SS, Cox C, Oeffinger K, Meacham LR, Sklar CA, Krull K, Armstrong GT, Robison LL. Association of antidepressant use and obesity among Childhood Cancer Survivor Study (CCSS) participants. 11th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Williamsburg, VA. June 11, 2010. Poster presentation.
46. **Ness KK**, Allgood R, Li Z, Neglia JP. Mobility related social isolation and Quality of Life among adult survivors of childhood brain tumors. 14<sup>th</sup> International Symposium on Pediatric Neuro-Oncology. Vienna, Republic of Austria. June 20-23, 2010. Role: First author
47. Armstrong GT, **Ness KK**, Nolan VG, Green D, Joshi V, Hudson M, Robison LL, Srivastava D, Durand JB, Plana JC. Myocardial strain for detection of treatment related cardiac toxicity in adult survivors of childhood cancer. 42nd SIOP Congress. Boston, MA. October 21-24, 2010.
48. Green DM, Zhu I, Joshi V, **Ness KK**, Srivastava DK, Armstrong GT, Stokes D, Robison LL, Hudson MM. Pulmonary hypertension after treatment for childhood cancer, a report from the St. Jude Lifetime Cohort study. 42nd SIOP Congress. Boston, MA. October 21-24, 2010.
49. Nottage K, **Ness KK**, Li C, Srivastava DK, Robison LL, Hudson MM. Cardiovascular risk factors in adult survivors of childhood acute lymphoblastic leukemia-a report from the SJLIFE study. 42nd SIOP Congress. Boston, MA. October 21-24, 2010.
50. Huang TT, Smith WA, Roberts J, Hudson MM, **Ness KK**. Assessment of exercise capacity in adult survivors of childhood acute lymphoblastic leukemia using six minute walk test. APTA Combined Sections Meeting. New

Orleans, LA. February 9-12, 2011. Role: Senior author

51. **Ness KK**, Metzger ML, Huang TT, Armstrong GT, Robison LL, Hudson MM. Performance-based physical function in long-term survivors of Hodgkin lymphoma. ASCO Annual Meeting. Chicago, IL. June 3-7, 2011. *J Clin Oncol* 29: 2011 (suppl; abstr 9532). Role: First author
52. Armstrong GT, Plana JC, Zhang N, Srivastava DK, Green DM, **Ness KK**, Donovan FD, Metzger M, Arevalo A, Durand JB, Joshi V, Hudson MM, Robison LL, Flamm SD. Screening adult survivors of childhood cancer for cardiomyopathy: comparison of echocardiography and cardiac MRI. European Symposium on Late Effects After Childhood Cancer 2011. Amsterdam, Kingdom of the Netherlands. September 29-30, 2011.
53. Bass JK, **Ness KK**, Jones KE, Hudson MM, Armstrong GT, Srivastava DK, Gurney JG. Treatment-induced hearing loss and social outcomes in adult survivors of childhood solid malignancies: preliminary results from the St. Jude Lifetime Cohort (SJLIFE) Study. ESLCCC Annual Meeting. Amsterdam, Kingdom of the Netherlands. September 29-30, 2011.
54. Gurney JG, Spunt SL, Jones KE, Srivastava D, Armstrong GT, Hudson MM, Robison LL, **Ness KK**. Peripheral neuropathy and functional mobility in adult survivors of childhood solid tumors: A report from the St. Jude Lifetime Cohort Study. ESLCCC Annual Meeting. Amsterdam, Kingdom of the Netherlands. September 29-30, 2011. Role: Senior author
55. Wilson CL, Dilley K, **Ness KK**, Leisenring WL, Sklar CA, Kaste SC, Stovall M, Green DM, Armstrong GT, Robison LL, Kadan-Lottick NS. Fractures among long-term survivors of childhood cancer: A report from the Childhood Cancer Survivor Study. ESLCCC Annual Meeting. Amsterdam, Kingdom of the Netherlands. September 29-30, 2011.
56. Hudson M, Oeffinger K, Nathan P, Mertens A, Castellino S, Casillas J, Mulrooney D, Gurney J, Armstrong G, Leisenring W, Robison L, **Ness KK**. Longitudinal changes in health status of the childhood cancer survivor study. 43rd SIOP Congress. Auckland, New Zealand. October 28-30, 2011. Oral presentation. Role: Senior author
57. Klosky JL, Hum A, Zhang N, Ali K, Srivastava DK, Klesges RC, **Ness KK**, Robison LL, Hudson MM. Smokeless and dual tobacco use among males surviving childhood cancer: A report from the Childhood Cancer Survivor Study (CCSS). 43rd SIOP Congress. Auckland, New Zealand. October 28-30, 2011. Oral presentation.
58. Klosky JL, Howell C, Li Z, Foster R, Mertens AC, Robison LL, **Ness KK**. Risky health behavior in adolescent survivors of childhood cancer and their siblings: A report from the Childhood Cancer Survivor Study. 43rd SIOP Congress. Auckland, New Zealand. October 28-30, 2011. Oral presentation. Role: Senior author
59. Marina N, Hudson M, Mulrooney DA, Avedian R, Donaldson S, Fisher P, Leisenring W, Stovall M, Robison LL, **Ness KK**. Comparison of health status between upper and lower extremity sarcoma survivors: A report from the Childhood Cancer Survivor Study. 43rd SIOP Congress. October 25-30, 2011. Auckland, New Zealand. Oral presentation. Role: Senior author
60. **Ness KK**, Green DM, Gurney JG, Bass JK, Smith WA, Huang TT, Robison LL, Hudson MM. Balance impairment in adult survivors of childhood cancer treated with platinum. 43rd SIOP Congress. Auckland, New Zealand. October 28-30, 2011. Role: First author
61. Smith WA, Carlyle BE, Huang S, **Ness KK**. Measured versus self-reported physical function in adult survivors of childhood cancer. Pediatric Oncology Rehabilitation Conference. Memphis, TN. March 2-3, 2012. Role: Senior author
62. Morris GS, Smith WA, Hudson MM, Gurney JG, Robison LL, **Ness KK**. Age-based predictions of HR peak overestimate achieved HRpeak in cancer survivors. ACSM Annual Meeting. San Francisco, CA. May 29-June 2, 2012. Role: Senior author
63. Casillas JN, Liu Q, Hudson MM, Greenberg M, Yeazel MW, **Ness KK**, Robison LL, Armstrong GT, Leisenring WM, Yasui Y, Oeffinger KC, Nathan PC. Longitudinal changes in health care utilization by adult survivors of childhood cancer in the Childhood Cancer Survivor Study (CCSS). (a) ASCO Annual Meeting. Chicago, IL. June 1-5, 2012. *J Clin Oncol* 30, 2012 (suppl; abstr 6030). (b) 12th International Conference on Long Term Complications of Treatment of Children and Adolescents for Cancer 2012. Williamsburg, VA. June 8-9, 2012. Oral presentation.

64. Gawade P, Ness **KK**, Sharma S, Li Z, Srivastava K, Spunt S, Nottage K, Krasin M, Hudson M, Kaste SC. Association of bone mineral density with incidental renal stone in long-term survivors of childhood acute lymphoblastic leukemia. (a) ASCO Annual Meeting. Chicago, IL. June 1-5, 2012. Selected for pediatric oncology poster discussion session. *J Clin Oncol* 30, 2012 (suppl; abstr 9527). (b) 12th International Conference on Long Term Complications of Treatment of Children and Adolescents for Cancer 2012. Williamsburg, VA. June 8-9, 2012.
65. Wilson CL, Ness **KK**, Neglia JP, Hammond S, Leisenring WM, Stovall M, Robison LL, Armstrong GT. Renal carcinoma following therapy for cancer in childhood: A report from the Childhood Cancer Survivor Study. (a) ASCO Annual Meeting. Chicago, IL. June 1-5, 2012. *J Clin Oncol* 30, 2012 (suppl; abstr 9528). Oral presentation. (b) 12th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Chicago, IL. June 8-9, 2012.
66. Huang IC, Brinkman TM, Kenzik K, Gurney JG, Ness **KK**, Lanctot J, Shenkman E, Robison LL, Hudson MM, Krull KR. Symptom presence associated with health-related quality of life in adult survivors of childhood cancer: A report from the St. Jude Lifetime Cohort Study. 12th International Conference on Long Term Complications of Treatment of Children and Adolescents for Cancer 2012. Williamsburg, VA. June 8-9, 2012.
67. Karlage RE, Kaste SC, Zhang N, Green DM, Armstrong GT, Robison LL, Laver JH, Srivastava DK, Hudson MM, Ness **KK**. Body composition in long-term childhood cancer survivors: Applicability of anthropometric measures. 12th International Conference on Long Term Complications of Treatment of Children and Adolescents for Cancer 2012. Williamsburg, VA. June 8-9, 2012. Role: Senior author
68. Smith WA, Li C, Nottage K, Lanctot JQ, Hudson M, Green D, Nolan V, Laver J, Gurney J, Robison L, Ness **KK**. Dietary intake and metabolic syndrome in adult survivors of childhood cancer. (a) ASCO Annual Meeting. Chicago, IL. June 1-5, 2012. *J Clin Oncol* 30, 2012 (suppl; abstr 9526). (b) 12th International Conference on Long Term Complications of Treatment of Children and Adolescents for Cancer. Williamsburg, VA. June 8-9, 2012.
69. Chemaitilly W, Hudson M, Huang S, Smith W, Srivastava DK, Barnes N, Pui CH, Kun LE, Sklar CA, Robison LL, Ness **KK**. The relationship between low insulin-like growth factor-1 (igf-1) levels, exercise capacity, muscle strength and vitality in adult survivors of childhood acute lymphoblastic leukemia (all) treated with cranial radiotherapy (CRT). ENDO Annual Meeting. Houston, TX. June 23-26, 2012. Role: Senior author
70. Klosky JL, Li Z, Foster RH, Peasant C, Howell CR, Mertens AC, Robison LL, Ness **KK**. Risky sexual behaviour in adolescent survivors of childhood cancer: A report from the childhood cancer survivor study. 44th SIOP Congress. London, United Kingdom of Great Britain and Northern Ireland. October 5-8, 2012. Role: Senior author
71. Krull KR, Brinkman TM, Li C, Armstrong GT, Ness **KK**, Gurney JG, Kimberg C, Srivastava DK, Krasin MJ, Pui CH, Robison LL, Hudson MM. Neurocognitive outcomes in adult survivors of childhood acute lymphoblastic leukemia. 44th SIOP Congress. London, United Kingdom of Great Britain and Northern Ireland. October 5-8, 2012.
72. Ness **KK**, Armstrong GT, Gurney JG, Srivastava DK, Wilson CL, Smith WA, Robison LL, Hudson MM, Krull KR. Physiologic frailty in adult survivors of childhood cancer: A report from the St. Jude Lifetime Cohort Study. (a) 44th SIOP Congress. London, United Kingdom of Great Britain and Northern Ireland. October 5-8, 2012. *Pediatr Blood Cancer*. 2012 Sep 17;59(6). (b) 14th ISPNO Symposium. Toronto, Canada. June 24-27, 2012.
73. Wilson CL, Liu W, Neale G, Srivastava DK, Gurney JG, Kang G, Mehta P, Ojha R, Hudson MM, Robison LL, Ness **KK**. Potential gene variants associated with obesity following cranial radiation treatment for childhood cancer in a genome-wide association study. AACR Annual Meeting 2013. Washington, DC. April 6-10, 2013. *Cancer Res*. 2014 Nov 18;73(8 Supplement):2544-2544. Role: Senior author
74. Smith WA, Ness **KK**, Joshi VM, Robison LL, Hudson MM, Green DM. Exercise training in childhood cancer survivors with subclinical cardiomyopathy. Experimental Biology Annual Meeting. Boston, MA. April 20-24, 2013.
75. Ness **KK**, Huang S, Smith WA, Pui CH, Lanctot JQ, Howell CR, Karlage R, Shelton KC, Robison LL, Hudson MM. Global fitness in adult survivors of childhood acute lymphoblastic leukemia (ALL). ASCO Annual Meeting. Chicago, IL. May 31-June 4, 2013. *J Clin Oncol* 31, 2013 (suppl; abstr 10022). Role: First author
76. Wilson CL, Leisenring WM, Oeffinger KC, Stratton KL, Nathan PC, Masker-Wasilewski K, Hudson MM, Castellino SM, Stovall M, Armstrong GT, Brinkman TM, Robison LL, Ness **KK**. Predictors of declining levels of physical

- activity among adult survivors of childhood cancer. (a) ASCO Annual Meeting 2013. Chicago, IL. May 31-June 5, 2013. *J Clin Oncol* 31, 2013 (suppl; abstr 10062). Poster presentation. (b) 13th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Memphis, TN. June 13-15, 2013. Poster presentation. Role: Senior author
77. Gawade P, Oeffinger KC, Sklar CA, Green DM, Krull KR, Chemaitilly W, Stovall M, Leisenring W, Robison L, **Ness KK**. Pre-pregnancy lifestyle factors, psychological distress and adverse pregnancy outcomes among female survivors in the childhood cancer survivor study (CCSS) cohort. 13th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Memphis, TN. June 13-15, 2013. Oral presentation. Role: Senior author
  78. Lanctot JQ, Hudson MM, Smith WA, Brinkman TM, Shelton KC, Robison LL, **Ness KK**. Comparison of health behaviours between childhood acute lymphoblastic leukemia survivors and health controls. 13th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Memphis, TN. June 13-15, 2013. Role: Senior author
  79. Smith WA, Hudson MM, Pui CH, Lanctot JQ, Howell CR, Karlage R, Robison LL, **Ness KK**. Association between physical activity level and cardiorespiratory fitness in adult survivors of childhood Acute Lymphoblastic Leukemia. 13th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Memphis, TN. June 13-15, 2013. Role: Senior author
  80. Chemaitilly W, **Ness KK**, Li Z, Robison LL, Hudson M, Sklar C. Anterior hypopituitarism in adult childhood cancer survivors (CCS): A report from the St. Jude Lifetime Cohort. (a) 9th Joint Meeting of PES and ESPE. Milan, The Italian Republic. September 11-13, 2013. (b) 9th Joint Meeting of Paediatric Endocrinology. Milan, The Italian Republic. September 19-22, 2013.
  81. Cox CL, Nolan V, Leisenring W, Yasui Y, Ogg S, Neglia J, **Ness KK**, Robison LL. Health perceptions, behaviour, and medical care utilization: links to mortality in adult survivors of childhood cancer. 141st APHA Annual Conference and Expo. Boston, MA. November 2-6, 2013. Oral presentation.
  82. Brinkman TM, Oancea SC, **Ness KK**, Smith WA, Srivastava DK, Robison LL, Hudson MM, Gurney JG, Krull KR. Pathways linking childhood cancer late effects to anxiety and depression in adult survivors: A report from the St. Jude Lifetime Cohort Study. 5th World Congress of Psycho-Oncology and Psychosocial Academy. Rotterdam, Kingdom of the Netherlands. November 4-8, 2013.
  83. Effinger KE, Leisenring W, Oeffinger KC, Hudson MM, **Ness KK**, Marina N, Stovall M, Armstrong GT, Robison LL, Sainini K, Whittemore AS. Longitudinal evaluation of health status in aging pediatric Hodgkin lymphoma survivors: A report from the Childhood Cancer Survivor Study. 55th ASH Annual Meeting. New Orleans, LA. December 7-10, 2013. Oral presentation.
  84. Boop SE, Jones KE, Brinkman TM, Boop FA, Armstrong GT, Robison LL, Hudson MM, **Ness KK**. Physical performance, social participation, and medical utilization in childhood brain tumour survivors. AANS/CNS Joint Section on Pediatric Neurosurgery. Toronto, Canada. December 3-6, 2013. Role: Senior author
  85. Effinger KE, Leisenring W, Oeffinger KC, Hudson MM, **Ness KK**, Marina N, Stovall M, Armstrong GT, Robison LL, Sainini K, Whittemore AS. Longitudinal evaluation of health status outcomes in aging pediatric Hodgkin lymphoma survivors: report from the childhood cancer survivor study, 2013. ASH Annual Meeting and Exposition. New Orleans, LA. December 7-10, 2013.
  86. Kang G, Liu W, Wilson CL, Neale G, Yang JJ, **Ness KK**, Robison LL, Hudson MM, Srivastava DK. Evaluation of two-step resampling procedure for internal validation of genome-wide association studies. UT-KBRIN Bioinformatics Summit. Cadiz, KY. April 11-13, 2014.
  87. Effinger KE, Leisenring W, Oeffinger KC, Hudson MM, **Ness KK**, Marina N, Stovall M, Armstrong GT, Robison LL, Sainini K, Whittemore AS. Longitudinal evaluation of health status in aging pediatric Hodgkin lymphoma survivors: A report from the Childhood Cancer Survivor Study. 2nd ISCAYAH Meeting. Berlin, Federal Republic of Germany. May 7-10, 2014. Oral presentation.
  88. Mulrooney DA, Nunnery S, Armstrong GT, **Ness KK**, Srivastava K, Donovan D, Metzger ML, Krasin MJ, Joshi VM, Durand JB, Robison LL, Hudson MM, Flamm SD. Coronary artery disease detected by coronary computed

- tomographic angiography (CCTA) in adult survivors of childhood Hodgkin lymphoma. (a) ICOSNA Annual Meeting. Washington, DC. December 12-13, 2013. (b) 2nd ICOSNA Annual Meeting. Berlin, Federal Republic of Germany. May 7-10, 2014.
89. Armstrong GT, Joshi VM, **Ness KK**, Zhang N, Srivastava DK, Griffin B, Grimm R, Thomas J, Phelan D, Collier P, Mulrooney DA, Krull KR, Green DM, Marwick TH, Hudson MM, Robison LL, Plana JC. Myocardial strain for detection of treatment-related cardiac dysfunction in adult survivors of childhood cancer: Results from the St. Jude Lifetime Cohort Study. ASCO Annual Meeting. Chicago, IL. May 30-June 3, 2014. *J Clin Oncol* 32:5s, 2014 (suppl; abstr 10081).
  90. Dietz AC, Chen Y, **Ness KK**, Hagood JS, Chow EJ, Yasui Y, Stovall M, Neglia JP, Oeffinger KC, Mertens AC, Robison LL, Armstrong GT, Mulrooney DA. Risk and impact of pulmonary complications in survivors of childhood cancer: A report from the Childhood Cancer Survivor Study (CCSS). (a) ASCO Annual Meeting. Chicago, IL. May 30-June 3, 2014. *J Clin Oncol* 32:5s, 2014 (suppl; abstr 10022). Poster presentation. (b) 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Arlington, VA. June 11-13, 2015. Oral presentation.
  91. Green DM, Liu W, Kutteh W, Ke R, Shelton K, Sklar CA, Klosky J, Spunt SL, Metzger M, Navid F, Srivastava DK, **Ness KK**, Robison LL, Hudson MM. Alkylating agent exposure and sperm concentration in adult survivors of childhood cancer: A report from the St. Jude Lifetime (SJLIFE) Cohort Study. ASCO Annual Meeting. Chicago, IL. May 30-June 3, 2014. *J Clin Oncol* 32:5s, 2014 (suppl; abstr 10010).
  92. Jones LW, **Ness KK**, Liu Q, Oeffinger KC, Yasui Y, Armstrong GT, Robison LL, Tonoreze E, Sklar CA, Douglas PS, Soares-Miranda L. Exercise and risk of major cardiovascular events in adult survivors of childhood Hodgkin lymphoma: A report from the Childhood Cancer Survivor Study (CCSS). (a) ASCO Annual Meeting. Chicago, IL. May 30-June 3, 2014. *J Clin Oncol* 32:5s, 2014 (suppl; abstr 10023). Poster presentation. (b) ESLCCC Annual Meeting. Edinburgh, Scotland, United Kingdom of Great Britain and Northern Ireland. September 15-16, 2014. Poster presentation.
  93. Kadan-Lottick N, Lu X, Hockenberry M, Whitley M, Hunger S, Devidas M, Winick N, Angiolillo A, Schore R, **Ness KK**. Prospective assessment of chemotherapy-induced peripheral neuropathy (CIPN) in children with standard-risk acute lymphoblastic leukemia (SR ALL): Results of Children's Oncology Group (COG) AALL0932. ASCO Annual Meeting. Chicago, IL. May 30-June 3, 2014. Role: Senior author
  94. Mulrooney DA, Armstrong GT, Huang S, **Ness KK**, Joshi VM, Green DM, Srivastava DK, Santucci A, Krasin MJ, Robison LL, Hudson MM. Cardiac outcomes in aging survivors of childhood cancer exposed to cardiotoxic therapy: A report from the St. Jude Lifetime (SJLIFE) Cohort Study. ASCO Annual Meeting. Chicago, IL. May 30-June 3, 2014. *J Clin Oncol* 32:5s, 2014 (suppl; abstr 7056).
  95. Chemaitilly W, Merchant TE, Li Z, Barnes N, Armstrong GT, **Ness KK**, Pui C, Kun L, Robison LL, Hudson MM, Sklar CA, Gajjar A. Central Precocious Puberty (CPP) as a consequence of brain tumors and cranial radiotherapy (CRT): Presentation, progression and long-term effects on growth, gonadal function and metabolism. ESLCCC Annual Meeting. Edinburgh, Scotland, United Kingdom of Great Britain and Northern Ireland. September 15-16, 2014.
  96. Feijen EAM, Stratton KL, **Ness KK**, Van der Pal HJH, Caron HN, Armstrong GT, Hudson MM, Leisenring W, Oeffinger KC, Robison LL, Stovall M, Kremer LCM, Chow EJ. Equivalence ration for daunorubicin to doxorubicin in relation to late heart failure. ESLCCC Annual Meeting. Edinburgh, Scotland, United Kingdom of Great Britain and Northern Ireland. September 15-16, 2014.
  97. Karlage RE, Wilson CL, Zhang N, Kaste SC, Green DM, Armstrong GT, Robison LL, Chemaitilly W, Srivastava DK, Hudson MM, **Ness KK**. Validity of body mass index and waist-to-height ratio to classify obesity among survivors of childhood cancer. ESLCCC Annual Meeting. Edinburgh, Scotland, United Kingdom of Great Britain and Northern Ireland. September 15-16, 2014. Role: Senior author
  98. **Ness KK**, Kadan-Lottick N, Krull K, Pui CH, Srivastava DK, Mulrooney DA, Karlage RE, Guthrie N, Kimberg C, Brinkman T, Robison LL, Hudson MM. Activity monitor and rewards-based interactive website sustains physical activity in young adolescent cancer survivors. ESLCCC Annual Meeting. Edinburgh, Scotland, United Kingdom of Great Britain and Northern Ireland. September 15-16, 2014. Role: First author

99. Armstrong GT, Joshi V, **Ness KK**, Zhang N, Srivastava DK, Mulrooney DA, Krull K, Green DM, Marwick TH, Hudson MM, Robison LL, Plana JC. Metabolic syndrome and cardiac dysfunction in adult survivors of childhood cancer: results from the St. Jude Lifetime Cohort study. 46th SIOP Congress. Toronto, Canada. October 22-25, 2014.
100. Brennan R, Nickols C, Eftink A, Strachota K, **Ness KK**, Qaddoumi I, Wilson MW, Thompson J. Vincristine induced cranial neuropathy during therapy for pediatric malignancies. 46th SIOP Congress. Toronto, Canada. October 22-25, 2014.
101. Mulrooney DA, Soliman E, Armstrong GT, Joshi V, Green D, Srivastava DK, Krasin M, Leupker R, Robison LL, Hudson MM, **Ness KK**. Electrocardiographic abnormalities in aging survivors of childhood cancer: A report from the St. Jude Lifetime (SJLIFE) Cohort study. 46th SIOP Congress. Toronto, Canada. October 22-25, 2014. Role: Senior author
102. **Ness KK**, Hudson MM, Karlage RE, Pui CH, Chemaitilly W, Lanctot JQ, Hale KC, Wilson CL, Robison LL, DeLany JP. Exercise tolerance and energy expenditure among adult survivors of childhood acute lymphoblastic leukemia (ALL): A report from the St. Jude Lifetime Cohort study. 46th SIOP Congress. Toronto, Canada. October 22-25, 2014. *Pediatr Blood Cancer*. 2014 Dec;61(S2). Role: First author
103. Mulrooney DA, Jones KE, **Ness KK**, Crom DB, Ehrhardt MJ, Brinkman TM, Krull KR, Chemaitilly W, Kun LE, Kaste SC, Armstrong GT, Srivastava DK, Relling MV, Pui CH, Jeha S, Sandlund JT, Green DM, Robison LL, Hudson MM. Late outcomes of adult survivors of childhood acute lymphoblastic leukemia (ALL) diagnosed between 1963-2002: A report from the St. Jude Lifetime Cohort study (SJLIFE). 56th ASH Annual Meeting & Exposition. San Francisco, CA. December 9, 2014.
104. Arora M, Canlan S, **Ness KK**, Teh JB, Schad A, Hanby C, Francisco L, Hou K, Wu J, Kuo L, Armenian SH, Weisdorf DJ, Forman SJ, Bhatia S. Older survivors of allogeneic hematopoietic cell transplantation (HCT) with chronic graft vs. host disease (cGvHD) demonstrate higher risk of frailty as compared with autologous HCT recipients: A Report from the Bone Marrow Transplant Survivor Study-2. 2015 BMT Tandem Meetings. San Diego, CA. February 11-15, 2015.
105. **Ness KK**, Mogil, R, Scobey K, Karlage RE, Kaste S. The effects of low magnitude high frequency mechanical stimulation (LMS) on bone density in childhood cancer survivors (CCS). APTA Combined Sections Meeting. Indianapolis, IN. February 4-7, 2015. Role: First author
106. Effinger KE, Fisher PG, **Ness KK**, Krull KR, Marina M, Stovall M, Oeffinger KC, Armstrong GT, Robison LL, Nathan PC, Leisenring WM, Hudson MM. Longitudinal evaluation of health status and chronic conditions in aging pediatric astrocytoma survivors: A report from the Childhood Cancer Survivor Study (CCSS). 2015 ASCO Annual Meeting. Chicago, IL. May 29-June 2, 2015. *J Clin Oncol* 33, 2015 (suppl; abstr 10067).
107. Ehrhardt MJ, Sandlund JT, Zhang N, **Ness KK**, Chemaitilly W, Krull KR, Brinkman TM, Crom DB, Kun L, Kaste SC, Armstrong GT, Green DM, Srivastava K, Robison LL, Hudson MM, Mulrooney DA. Late outcomes among adult survivors of childhood non-Hodgkin lymphoma (NHL): A report from the St. Jude Lifetime Cohort study. ASCO Annual Meeting. Chicago, IL. May 29-June 2, 2015. *J Clin Oncol* 33, 2015 (suppl; abstr 10064).
108. Green DM, Zhu L, Krasin MJ, Srinivasan S, Stokes DC, Srivastava DK, **Ness KK**, McCarville B, Mulrooney DA, Armstrong GT, Pui C, Spunt SL, Metzger M, Navid F, Davidoff AM, Rao BN, Robison LL, Hudson MM. Pulmonary function in adult survivors of childhood cancer: A report from the St. Jude Lifetime Cohort study (SJLIFE). ASCO Annual Meeting. Chicago, IL. May 29-June 2, 2015. *J Clin Oncol* 33, 2015 (suppl; abstr 10018).
109. Mueller EL, Hutchinson R, Goodman P, Leisenring WM, Sklar CA, Hudson MM, **Ness KK**, Armstrong GT, Robison LL, Stovall M, Oeffinger KC, Nathan PC. Late mortality, subsequent malignant neoplasms, and chronic health conditions in survivors of pediatric soft tissue sarcomas: A report from the Childhood Cancer Survivor Study. ASCO Annual Meeting. Chicago, IL. May 29-June 2, 2015.
110. Bhatia S, Liu Q, Leisenring WM, **Ness KK**, Gibson TM, Robison LL, Armstrong GT, Yasui Y. Long-term outcomes by race/ethnicity in the Childhood Cancer Survivor Study (CCSS) Cohort. ASCO Annual Meeting. Chicago, IL. May 29-June 2, 2015. Poster presentation. *J Clin Oncol*. 33, 2015 (suppl; abstr 10070).
111. Mueller EL, Hutchinson R, Goodman P, Leisenring WM, Sklar CA, Hudson MM, **Ness KK**, Armstrong GT, Robison LL, Stovall M, Oeffinger KC, Nathan PC. Long-term risks for chronic medical conditions and premature mortality in



- survivors of pediatric soft tissue sarcoma: A Report from the Childhood Cancer Survivor Study (CCSS). (a) ASCO Annual Meeting. Chicago, IL. May 29-June 2, 2015. *J Clin Oncol* 33, 2015 (suppl; abstr 10013). (b) 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Arlington, VA. June 11-13, 2015.
112. Ness **KK**, Hudson MM, Jones KE, Leisenring WM, Stovall M, Green DM, Neglia JP, Henderson TO, Casillas JN, Ford J, Effinger KE, Oeffinger KC, Armstrong GT, Robison LL, Nathan PC. Temporal trends in health status among adults in the Childhood Cancer Survivor Study (CCSS). (a) 2015 ASCO Annual Meeting. Chicago, IL. May 29-June 2, 2015. *J Clin Oncol* 33, 2015 (suppl; abstr 10020). (b) 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Arlington, VA. June 11-13, 2015. Role: First author
  113. DeBlank PM, Fisher MJ, Lu L, Leisenring WM, Ness **KK**, Sklar CA, Stovall M, Vukadinovich C, Robison LL, Armstrong GT, Krull KR. The impact of vision loss among survivors of childhood astroglial tumors. NF Conference. Children's Tumor Foundation. Monterey, CA. June 6-9, 2015. Oral presentation.
  114. Mueller EL, Hutchinson R, Goodman P, Leisenring WM, Sklar CA, Hudson MM, Ness **KK**, Armstrong GT, Robison LL, Stovall M, Oeffinger KC, Nathan PC. Late mortality, subsequent malignant neoplasms, and chronic health conditions in survivors of pediatric soft tissue sarcomas: A report from the Childhood Cancer Survivor Study. 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Arlington, VA. June 11-13, 2015.
  115. Mulrooney DA, Soliman EZ, Armstrong GT, Joshi VM, Green DM, Srivastava DK, Krasin MT, Leupker RV, Robison LL, Hudson MM, Ness **KK**. Electrocardiographic abnormalities in aging survivors of childhood cancer: A report from the St. Jude Lifetime (SJLIFE) Cohort Study. 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Arlington, VA. June 11-13, 2015. Role: Senior author
  116. Feijen EA, Leisenring W, Stratton KL, Ness **KK**, van der Pal H, Caron HN, Armstrong GT, Green DM, Hudson MM, Oeffinger KC, Robison LL, Stovall M, Kremer L, Chow EJ. Equivalence ratio for daunorubicin to doxorubicin in relation to late heart failure. (a) ESLCCC Annual Meeting. Edinburgh, Scotland, United Kingdom of Great Britain and Northern Ireland. September 15-16, 2014. Poster presentation. (b) 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Arlington, VA. June 11-13, 2015. Oral presentation.
  117. Brinkman TM, Vuotto SC, Li C, Oeffinger KC, Green DM, Patel S, Srivastava DK, Stovall M, Ness **KK**, Armstrong GT, Robison LL, Krull KR. Impact of chronic disease on psychological distress in adult survivors in the Childhood Cancer Survivor Study (CCSS). 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Arlington, VA. June 11-13, 2015.
  118. Effinger KE, Fisher PG, Ness **KK**, Krull KR, Marina N, Stovall M, Oeffinger KC, Armstrong GT, Robison LL, Nathan PC, Leisenring WM, Hudson MM. Longitudinal evaluation of health status and chronic conditions in aging pediatric astrocytoma survivors: A Childhood Cancer Survivor Study (CCSS) Report. (a) ASCO Annual Meeting. Chicago, IL. May 29-June 2, 2015. *J Clin Oncol* 33, 2015 (suppl; abstr 10067). Oral presentation. (b) 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Arlington, VA. June 11-13, 2015. Oral presentation.
  119. Karlage RE, Delany JP, Boland AM, Kaste SC, Lu L, Gibson TM, Lancot JQ, Hudson MM, Robison LL, Ness **KK**. Lean mass and lifestyle factors in survivors of childhood acute lymphoblastic leukemia: A report from the St. Jude Lifetime Cohort Study. 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Arlington, VA. June 11-13, 2015. Role: Senior author
  120. Burroughs LN, Kaste SC, Ferry RJ, Mogil R, Howell CR, Hudson MM, Robison LL, Ness **KK**. A randomized trial of low magnitude high frequency mechanical stimulation (LMS) for bone density in childhood cancer survivors (CCS). 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Arlington, VA. June 11-13, 2015. Role: Senior author
  121. Ehrhardt MJ, Sandlund JT, Zhang N, Ness **KK**, Chemaitilly W, Krull KR, Brinkman TM, Crom DB, Kun L, Kaste SC, Armstrong GT, Green DM, Srivastava DK, Robison LL, Hudson MM, Mulrooney DA. Late outcomes among adult survivors of childhood non-Hodgkin Lymphoma (NHL): A report from the St. Jude Lifetime (SJLIFE) Cohort Study. 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for

Cancer. Arlington, VA. June 11-13, 2015.

122. Mueller EL, Hutchinson R, Goodman P, Leisenring WL, Sklar CA, Hudson MM, **Ness KK**, Armstrong GT, Robison LL, Stovall M, Oeffinger KC, Nathan PC. Subsequent malignant neoplasm, chronic medical conditions and late mortality in survivors of pediatric soft tissue sarcoma: A report from the Childhood Cancer Survivor Study (CCSS). 14th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Arlington, VA. June 11-13, 2015.
123. Wilson CL, Chemaitilly W, Jones KE, Kaste SC, Srivastava DK, Ojha RP, Yasui Y, Pui CH, Robison LL, Hudson MM, **Ness KK**. Factors associated with aging phenotypes among adult survivors of ALL. 47th SIOP Congress. Cape Town, South Africa. October 8-11, 2015. *Pediatr Blood Cancer*. 2015 Sep 09;62(S4). Oral presentation. Role: First author
124. Bishop MW, Navid F, Loeb D, Ahn H, Wu J, Mao S, Neel M, Rao B, Santana VM, Pappo AS, Daw NC, **Ness KK**. Prospective evaluations of functional mobility for patients with lower extremity or pelvic osteosarcoma treated on a therapeutic trial. CTOS Annual Meeting. Salt Lake City, UT. November 4-7, 2015. Role: Senior author
125. Ehrhardt M, Mulrooney DA, Li C, Sandlund J, Brinkman TM, Huang I-C, Srivastava DK, **Ness KK**, Robison LL, Hudson MM, Krull KR. Neurocognitive, psychosocial, and quality of life outcomes in adult survivors of childhood non-Hodgkin lymphoma in the St. Jude Lifetime (SJLIFE) Cohort. Poster presentation (#4480) at the 57th ASH Annual Meeting, Orlando, Florida. December 5-8, 2015.
126. Bhatia S, **Ness KK**, Beranoteh J, Wu J, Francisco L, Fetterhoff A, Namdar G, Gosworth A, Kuo L, Armenian S, Forman S, Sun C, Weisdorf D. Physiologic frailty among Hematopoietic Cell Transplantation (HCT) survivors suggests accelerated aging and is a predictor for premature mortality: A report from the Bone Marrow Transplant Survivor Study (BMTSS). Poster presentation #739. 57th ASH Annual Meeting. Orlando, FL. December 5-8, 2015.
127. Corr A, **Ness KK**, Wilson T, Srivastava DK, Neel M, Rao BN, Ehrentraut J. A pilot study on the effects of preoperative physical therapy (PT) in adolescents and young adults diagnosed with a lower extremity (LE) malignancy. APTA Combined Sections Meeting. Anaheim, CA. February 17-20, 2016.
128. Haynes L, Kaste S, **Ness K**, Wu J, Ortega-Laureano L, Bishop M, Neel M, Rao B, Fernandez-Pineda I. Pathologic fracture in childhood and adolescent osteosarcoma: A single institution experience. Society for Surgical Oncology. Boston, MA. March 2-5, 2016.
129. Wang Z, Yasui Y, **Ness KK**, Wilson CL, Srivastava DK, Rusch M, Thrasher A, Hudson MM, Jinghui, Robison LL. Telomere length and accelerated aging in adult survivors of childhood cancer: A report from the St. Jude Lifetime Cohort. Kyoto, Japan. April 3-7, 2016.
130. Gilchrist LS, Tanner L, **Ness KK**. Chemotherapy-induced peripheral neuropathy in children after treatment for non-CNS cancers: short-term recovery and balance impact. ASPHO Annual Meeting. Minneapolis, MN. May 11-14, 2016. Role: Senior author
131. Bhakta N, Liu Q, Ehrhardt MJ, Baassiri M, Eissa H, Metzger M, **Ness KK**, Hudson MM, Yasui Y, Robison LL. Use of the cumulative burden approach to assess cardiovascular morbidity among pediatric Hodgkin lymphoma (HL) survivors: A report from the St. Jude Lifetime (SJLIFE) Cohort Study. ASPHO Annual Meeting. Minneapolis, MN. May 11-14, 2016.
132. Interiano RB, Kaste SC, Li C, Srivastava DK, Hudson MM, Rao BN, Green DM, Davidoff DM, **Ness KK**, Fernandez-Pineda I. Predictors and functional outcomes of scoliosis in long term survivors of sarcoma. APSA Annual Meeting. San Diego, CA. May 14, 2016.
133. Brinkman T, Li Z, Krull KR, Gajjar A, Merchant T, Boop FA, Klimo P Jr, Khan R, Srivastava DK, Robison LL, Hudson MM, Armstrong GT, **Ness KK**. Functional independence in adult survivors of pediatric CNS tumors: A report from the St. Jude Lifetime Cohort study. ASCO Annual Meeting 2016. Chicago, IL. June 3-7, 2016. *J Clin Oncol* 34, 2016 (suppl; abstr 10524). Role: Senior author
134. Wilson CL, Chemaitilly W, Liu W, Hudson MM, Srivastava DK, Robison LL, **Ness KK**. Body composition among adult survivors of pediatric abdominal and pelvic tumors in the St. Jude Lifetime Cohort. ASCO Annual Meeting. Chicago, IL. June 3-7, 2016. *J Clin Oncol* 34, 2016 (suppl; abstr 10574). Role: Senior author

135. Bhakta N, Liu Q, Ness **KK**, Baassiri M, Eissa H, Yeo F, Chemaitilly W, Ehrhardt MJ, Bass J, Bishop MW, Shelton KC, Lu L, Huang S, Li Z, Caron E, Lanctot J, Srivastava DK, Hudson MM, Yasui Y, Robison LL. Cumulative burden of chronic disease in adult survivors of childhood cancer: The St. Jude Lifetime Cohort study (SJLIFE). ASCO Annual Meeting. Chicago, IL. June 3-7, 2016. *J Clin Oncol* 36, 2018 (suppl; abstr 10078).
136. Green DM, Zhu L, Santos ND, Bissler J, Mulrooney DA, Ness **KK**, Ojha RP, Spunt SL, Navid F, Srivastava DK, Davidoff AM, Robison LL, Hudson MM. Renal function after treatment for childhood cancer. ASCO Annual Meeting. Chicago, IL. June 3-7, 2016. *J Clin Oncol* 34, 2016 (suppl; abstr 10571).
137. Joshi V, Plana JC, Zhang N, Srivastava DK, Ness **KK**, Mulrooney DA, Green DM, Robison LL, Hudson MM, Marwick TH, Armstrong GA. Left ventricular diastolic function in adult survivors of childhood cancer. 27<sup>th</sup> ASE Annual Scientific Sessions. Abstract # 16-A-101-A SE. Seattle, WA. June 10-14, 2016.
138. Ness **KK**, Mulrooney DA, Joshi VM, Pui CH, Armstrong GT, Ehrhardt MJ, Green DM, Robison LL, Hudson MM. Cardiac autonomic dysfunction in adult survivors of childhood ALL: A report from the St. Jude Lifetime Cohort Study. 48th SIOP Congress. Dublin, Republic of Ireland. October 19-22, 2016. Role: First author
139. Wilson CL, Lu L, Howell CR, Kaste SC, Mulrooney DA, Pui CH, Partin RE, Lanctot JQ, Srivastava DK, Robison LL, Hudson MM, Ness **KK**. The influence of physical fitness on adverse health outcomes among survivors of childhood acute lymphoblastic leukemia. 48th SIOP Congress. Dublin, Ireland. October 19-22, 2016. *Pediatr Blood Cancer*. 2016 Nov;63 Suppl 3:S5-S321. Oral presentation. Role: Senior author
140. Basseri MJ, Mulrooney DM, Ehrhardt MJ, Bhakta N, Liu W, Ness **KK**, Brinkman TM, Krull KR, Chemaitilly, Armstrong GT, Green DM, Rubinitz JJ, Inaba H, Srivastava DK, Robison LL, Hudson MM. Late outcomes of adult survivors of childhood acute myeloid leukemia (AML) the St. Jude Lifetime (SJLIFE) Cohort. 48th SIOP Congress. Dublin, Republic of Ireland. October 19-22, 2016.
141. Wilson CL, Chemaitilly W, Liu W, Hudson MM, Srivastava DK, Robison LL, Ness **KK**. Metabolic impairments among adult survivors of paediatric abdominal and pelvic tumours in the St. Jude Lifetime Cohort Study. 55th ESPE Annual Meeting. Paris, French Republic. September 10-12, 2016. Role: Senior author
142. Chemaitilly W, Li Z, Krasin MJ, Wilson CL, Green DM, Klosky JL, Barnes N, Clark K, Farr J, Fernandez-Pineda I, Metzger M, Pui CH, Ness **KK**, Srivastava DK, Robison LL, Hudson MM, Sklar CA, Yasui Y. Premature ovarian insufficiency (POI) in childhood cancer survivors (CCS): A report from the St. Jude Lifetime Cohort (SJLIFE) Study. 55th ESPE Annual Meeting. Paris, French Republic. September 10-12, 2016.
143. Leathers J, Armstrong GT, Tolle JJ, Santucci A, Ness **KK**, Mulrooney DA, Green DM, Joshi VM, Robison LL, Hudson MM, Lenihan D. Exercise right heart catheterization for pulmonary hypertension identified on screening echocardiography in adult survivors of childhood cancer: A report from the St. Jude Lifetime Cohort. 20th HFSA Annual Scientific Meeting. Orlando, Florida. September 17-20, 2016.
144. Ehrhardt MJ, Mulrooney DA, Li C, Baassiri MJ, Sandlund JT, Brinkman TM, Huang I-C, Srivastava DK, Ness **KK**, Robison LL, Hudson MM. Neurocognitive, psychosocial, and quality of life outcomes in adult survivors of childhood Non-Hodgkin Lymphoma in the St. Jude Lifetime (SJLIFE) Cohort. 16th ESLCCC Symposium. Kingdom of Denmark. September 22-23, 2016.
145. Wilson CL, Chemaitilly W, Liu W, Hudson MM, Srivastava DK, Robison LL, Ness **KK**. Factors associated with low lean mass among adult survivors of pediatric abdominal and pelvic tumors. 16th ELSCC Symposium. Copenhagen, The Kingdom of Denmark. September 22-23, 2016.
146. Im C, Wilson CL, Ness **KK**, Moon W, Kaste SC, Chemaitilly W, Hudson MM, Robison LL, Yasui Y. Genome-wide SNP interaction analysis suggests polygenic regulatory effects on bone density among adult survivors of childhood cancer. ASHG Annual Meeting. Vancouver, British Columbia, Canada. October 18-22, 2016.
147. Howell CR, Mehta T, Ness **KK**, Cheong JW, Cherrington AL, Fontaine KR. Body Composition and Mortality in Hispanic Adults. The Obesity Society Annual Meeting. New Orleans, LA. October 31-November 4, 2016.
148. Hoehn ME, Wilson MW, Patel R, Thiessen C, Pappo A, Gajjar A, Pui CH, Brennan R, Krasin M, Wang M, Srivastava DK, Robison LL, Ness **KK**, Brinkman TM, Hudson MM. Ocular complications in survivors of childhood

- cancers: A report from the St. Jude Lifetime Cohort Study (SJLIFE). AAO Annual Meeting. Chicago, IL. October 15-18, 2016.
149. Brooke RJ, Chemaitilly W, Sapkota Y, Moon W, Wilson CL, **Ness KK**, Green DM, Hudson MM, Robison LL, Yasui Y. A high-risk haplotype drives premature menopause in childhood cancer survivors: St. Jude Lifetime Cohort Study. Faculty/Postdoctoral Poster Session. St. Jude Children's Research Hospital. Memphis, TN. November 17, 2016.
  150. Ehrhardt MJ, Chen Y, Sandlund JT, Bluhm EC, Hayashi R, Leisenring WM, Metzger M, **Ness KK**, Krull KR, Oeffinger KC, Robison LL, Yasui Y, Armstrong GT, Hudson MM, Mulrooney DA. Estimated late health outcomes in children diagnosed with B-cell non-Hodgkin lymphoma treated with contemporary LMB chemotherapy: A report from the Childhood Cancer Survivor Study (CCSS). ASH Annual Meeting. San Diego, CA. December 1-6, 2016. Poster presentation.
  151. Cheung YT, Sabin ND, Mulrooney DA, **Ness KK**, Krasin MJ, Brinkman TM, Banerjee P, Srivastava DK, Robison LL, Hudson MM, Krull KR. Chronic pulmonary conditions and neurocognitive function in long-term survivors of childhood Hodgkin Lymphoma. INS Annual Meeting. New Orleans, LA. February 1-4, 2017.
  152. Eissa HM, Lu L, Bassiri M, Bhakta N, Ehrhardt MJ, Mulrooney DA, Triplett BM, Green DM, Robison LL, Hudson MM, **Ness KK**. Chronic conditions and frail health among adult survivors of childhood hematologic malignancies treated with hematopoietic cell transplant (HCT): A report from the St. Jude Lifetime Cohort Study (SJLIFE). ASBMT/CIBMTR Tandem Meeting. Orlando, FL. February 22-26, 2017. Role: Senior author
  153. Bjornard K, Howell CR, Klosky J, Chemaitilly W, Srivastava K, Brinkman TM, Green D, Willard T, Jacola L, Krasin M, Hudson MM, Robison LL, **Ness KK**. Sexual dysfunction in women surviving childhood cancer. Annual Clinical Fellows Research Symposium. St. Jude Children's Research Hospital. May 11, 2017. Memphis, TN. Role: Senior author
  154. Green DM, Wang M, Krasin MJ, Srivastava DK, Relling MV, Howell C, **Ness KK**, Kaste SC, Greene W, Fernandez-Pineda I, Pui CH, Jeha S, Bishop MW, Furman WL, Robison LL, Hudson MM. Hepatic injury after treatment for childhood cancer: A report from the St. Jude Lifetime Cohort study. Abstract #10567. ASCO Annual Meeting. Chicago, IL. June 2-6, 2017. *J Clin Oncol 35, 2017 (suppl; abstr 10567)*.
  155. Bhakta N, Liu Q, Ehrhardt MJ, **Ness KK**, Krull KR, Srivastava DK, Ganz PA, Yasui Y, Hudson MM, Robison LL, Huang I-C. Relationship between the cumulative burden (CB) of chronic health conditions (CHC) and health-related quality of life (HRQoL) among childhood cancer survivors (CCS): The St. Jude Lifetime (SJLIFE) cohort. (a) 15th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Atlanta, GA. June 15-17, 2017; (b) ASCO Annual Meeting. Chicago, IL. June 2-6, 2017. *J Clin Oncol 35, 2017 (suppl; abstr 10560)*.
  156. Fejien EA, Leisenring WM, Stratton KL, **Ness KK**, Van der Pal HJH, van Dalen EC, Armstrong GT, Aune GJ, Green DM, Hudson MM, Loonen J, Oeffinger KC, Robison LL, Yasui Y, Kremer LC, Chow EJ. Equivalence ratios for late cardiomyopathy after doxorubicin and other anthracyclines/anthraquinones. 15th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Atlanta, GA. June 15-17, 2017. Oral presentation.
  157. Green DM, **Ness KK**, Huang S, Santucci A, Hebbel R, Solovey A, Duprez D, Ehrhardt M, Srivastava DK, Robison LL, Hudson MM. Endothelial dysfunction in adult survivors of childhood cancer: A report from the St. Jude Lifetime Cohort study. (a) ASCO Annual Meeting. Atlanta, GA. June 2-6, 2017. *J Clin Oncol 35, 2017 (suppl; abstr 10564)*. (b) The 15th International Conference on Long-term Complications of Treatment of Children and Adolescents for Cancer. Atlanta, GA. June 15-17, 2017.
  158. Gibson TM, Moustoufi-Moab S, Stratton K, Barnea D, Chow EJ, Donaldson SS, Howell R, Hudson MM, Leisenring WM, Mahajan A, Nathan PC, **Ness KK**, Sklar CA, Tonorezos ES, Weldon CB, Wells B, Yasui Y, Robison LL, Armstrong GT, Oeffinger KC. Temporal trends in chronic disease among survivors of childhood cancer diagnosed across three decades: A report from the Childhood Cancer Survivor Study (CCSS). (a) ASCO Annual Meeting. Atlanta, GA. June 2-6, 2017. *J Clin Oncol 35, 2017 (suppl; abstr LBA10500)*. (b) The 15th International Conference on Long-term Complications of Treatment of Children and Adolescents for Cancer. Abstract #82. Atlanta, GA. June 15-17, 2017.
  159. Wilson CL, Cook CM, Brinkman TM, Huang S, Furman WL, Bhakta N, Robison LL, **Ness KK**, Hudson MM. Late

- complications among adult survivors of neuroblastoma in the St. Jude Lifetime Cohort Study (SJLIFE). (a) ASCO Annual Meeting. Chicago, IL. June 2-6, 2017. *J Clin Oncol* 35, 2017 (suppl; abstr 10561). (b) 15th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Atlanta, GA. June 15-17, 2017.
160. Partin RE, Merchant TE, Indelicato DJ, **Ness KK**. Physical fitness in children treated for craniopharyngioma. The 15th International Conference on Long-term Complications of Treatment of Children and Adolescents for Cancer. Abstract # 80. Atlanta, GA. June 15-17, 2017. Role: Senior author
  161. Howell CR, Wilson CL, Partin R, Johnson R, Pui CH, Lanctot JQ, Hudson MM, Robison LL, **Ness KK**. Sedentary behaviors in adult survivors of acute lymphoblastic leukemia. The 15th International Conference on Long-term Complications of Treatment of Children and Adolescents for Cancer. Abstract #82. Atlanta, GA, June 15-17, 2017. Role: Senior author
  162. Gibson TM, Li Z, Green DM, Armstrong GT, Mulrooney DA, Srivastava DK, Bhakta N, **Ness KK**, Hudson MM, Robison LL. Hypertension in adult survivors of childhood cancer: A report from the St. Jude Lifetime Cohort. 15th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer. Abstract #14. Atlanta, GA. June 15-17, 2017.
  163. Fernandez-Pineda I, Davidoff A, Lu L, Rao B, Wilson CL, Srivastava DK, Klosky J, Metzger M, Krasin MJ, **Ness KK**, Pui CH, Robison LL, Hudson MM, Sklar C, Green DM, Chemaitilly W. Impact of ovarian transposition on ovarian function among long-term survivors of childhood Hodgkin lymphoma: A report from the St. Jude Lifetime Cohort Study. 49th SIOP Congress. Abstract # SIOP7-0272. Washington, DC. October 12-15, 2017. *Pediatr Blood Cancer*. 2017 Nov;64(S3). Oral presentation.
  164. Varedi M, Lu L, Howell CR, Partin R, Robison LL, Hudson MM, McKenna R, **Ness KK**. Peripheral neuropathy, function and quality of life (QoL) in adult survivors of childhood acute lymphoblastic leukemia (ALL). 94<sup>th</sup> ACRM Annual Conference. Abstract # 301537. Atlanta, GA. October 23-28, 2017. *Arch Phys Med Rehabil*. 2017 Oct;98(10):e91-e92. Role: Senior author.
  165. Howell CR, Krull KR, Partin RE, Kadan-Lottick NS, Robison LL, Hudson MM, **Ness KK**. Randomized web-based physical activity intervention in adolescent survivors of childhood cancer. ASCO Cancer Survivorship Symposium: Advancing Care and Research. Orlando, FL. February 16-17, 2018. Poster presentation. Role: Senior author
  166. DeFeo BM, Neel M, Kaste SC, Pui C, Jeha S, Hankins J, Srivastava D, **Ness KK**. Functional outcomes for children, adolescents, and young adults with osteonecrosis following hip core decompression. APTA Combined Sections Meeting. Abstract # 2754043. New Orleans, LA. February 21-24, 2018. Role: Senior author
  167. Brinkman TM, Cheung YT, Li C, Wilson CL, Kang G, Liu W, **Ness KK**, Reddick W, Edelmann M, Srivastava DK, Neale G, Hudson MM, Robison LL, Krull KR. Genome-wide association study of attention problems and executive dysfunction in adult survivors of childhood leukemia. ICCTF Annual Conference. Sydney, Australia. April 9-11, 2018.
  168. Partin RE, Howell CR, Pui CH, Inaba H, Chambliss H, Robison LL, Hudson MM, **Ness KK**. Neuropathy and fine motor function in survivors of childhood acute lymphoblastic leukemia: A report from St. Jude Lifetime Cohort. 65th ACSM Annual Meeting. Minneapolis, MN. May 29-June 2, 2018. Role: Senior author
  169. Wogksch MD, Howell CR, Partin RE, Chambliss H, Inaba H, Pui CH, Hudson MM, Robison LL, **Ness KK**. Obesity and walking efficiency in survivors of acute lymphoblastic leukemia: A report from St. Jude Lifetime Cohort. (a) ACSM Annual Meeting. Minneapolis, MN. May 29-June 2, 2018. (b) NASLCCC Annual Meeting. Abstract #P20. Atlanta, GA. June 20-22, 2019. Role: Senior author
  170. Bhakta N, Brinkman TM, Ehrhardt MJ, Liu Q, **Ness KK**, Krull KR, Srivastava DK, Klosky JL, Ganz PA, Hudson MM, Yasui Y, Robison LL, Huang IC. Cumulative burden of severe chronic health conditions (CHC) and health related quality of life (HRQoL) among adult survivors of childhood cancer: A report from the St. Jude Lifetime Cohort study (SJLIFE). ASCO Annual Meeting. Chicago, IL. June 1-5, 2018. *J Clin Oncol*. 36, 2018 (suppl; abstr 10078).
  171. Scott J, Nan L, Liu Q, Yasui Y, Leisenring W, Nathan P, Gibson TM, Armenian S, **Ness KK**, Adams S, Robison LL, Armstrong GT. Association of exercise with late mortality in adult survivors of childhood cancer: A report from the

- Childhood Cancer Survivor study. ASCO Annual Meeting. Chicago, IL. June 1-5, 2018. *J Clin Oncol.* 36, 2018 (suppl; abstr 10512).
172. Green DM, Wang M, Krasin MJ, Davidoff AM, Srivastava DK, Jay DW, **Ness KK**, Shulkin BL, Lanctot JQ, Shelton KC, Brennan RC, Ehrhardt MJ, Gibson TM, Kurt BA, Robison LL, Hudson MM, Spunt SL. Long-term renal function after treatment for Wilms tumor. A report from the St. Jude Lifetime Cohort (SJLIFE) Study. ASCO Annual Meeting. Chicago, IL. June 1-5, 2018. *J Clin Oncol.* 36, 2018 (suppl; abstr 10566).
  173. Dixon S, Li N, Yasui Y, Bhatia S, Casillas JN, Gibson TM, Leisenring W, **Ness KK**, Porter J, Robison LL, Hudson MM, Krull KR, Armstrong GT. Racial/ethnic differences in neurocognitive, emotional and quality of life outcomes in adult survivors of childhood cancer: A report from the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting. Chicago, IL. June 1-5, 2018. *J Clin Oncol.* 36, 2018 (suppl; abstr 10567).
  174. Green DM, Wang M, Krasin MJ, Davidoff AM, Srivastava DK, Jay DW, **Ness KK**, Shulkin BL, Lanctot JQ, Shelton KC, Brennan RC, Ehrhardt MJ, Gibson TM, Kurt BA, Robison LL, Hudson MM, Spunt SL. Long-term renal function after treatment for Wilms tumor. A report from the St. Jude Lifetime Cohort (SJLIFE) Study. ASCO Annual Meeting. Abstract # 10566. Chicago, IL. June 1-5, 2018. *J Clin Oncol.* 36, 2018 (suppl; abstr 10566).
  175. Scott J, Li N, Liu Q, Yasui Y, Leisenring W, Nathan PC, Gibson TM, Armenian S, Nilsen T, Oeffinger KC, **Ness KK**, Adams S, Robison LL, Armstrong GT, Jones L. Association of exercise with late mortality in adult survivors of childhood cancer: A report from the Childhood Cancer Survivor Study. ASCO Annual Meeting. Abstract # 10512. Chicago, IL. June 1-5, 2018. *J Clin Oncol.* 36, 2018 (suppl; abstr 10512).
  176. **Ness KK**, Plana Gomez JC, Joshi V, Luepker RV, Durand JB, Green DM, Partin RE, Santucci A, Srivastava DK, Hudson MM, Robison LL, Armstrong GT. Exercise intolerance among survivors of childhood cancer exposed to cardiotoxic therapy: Identification of survivors at risk through myocardial strain and ejection fraction. ASCO Annual Meeting. Chicago, IL. June 1-5, 2018. *J Clin Oncol.* 36, 2018 (suppl; abstr 10565). Role: First author.
  177. Yan AP, Chen Y, Hudson MM, Gibson TM, Neglia JP, Oeffinger KC, Leisenring WM, **Ness KK**, Ford J, Henderson TO, Robison LL, Armstrong GT, Yasui Y, Nathan PC. Impact of survivorship care plans (SCPs) on adherence to surveillance for second malignant neoplasms (SMNs) and cardiac dysfunction in the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting. Chicago, IL. June 1-5, 2018. *J Clin Oncol.* 36, 2018 (suppl; abstr 10560).
  178. Tonorezos ES, Ford J, Wang L, **Ness KK**, Yasui Y, Leisenring WM, Sklar CA, Robison LL, Oeffinger KC, Nathan PC, Armstrong GT, Krull KR, Jones J. Impact of exercise on psychological burden in adult survivors of childhood cancer: A report from the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting. Chicago, IL. June 1-5, 2018. *J Clin Oncol.* 36, 2018 (suppl; abstr 10513).
  179. van Atteveld, Pluijm SMF, **Ness KK**, Hudson MM, Chemaitilly W, Kaste SC, Robison LL, Neggers SJ, van den Heuvel-Eibrink, Wilson CL. Development and validation of a clinically applicable prediction model to identify adult survivors of childhood cancer with a low risk of low bone mineral density. SIOP 2018 Annual Conference. Kyoto City, State of Japan. November 16-19, 2018.
  180. Phillips NS, Howell CR, Hudson MM, Pui CH, Robison LL, Krull KR, **Ness KK**. Associations between fitness and neurocognitive outcomes in adult survivors of childhood acute lymphoblastic leukemia in the St. Jude Lifetime Cohort Study. SIOP 2018 Annual Conference. Kyoto City, State of Japan. November 16-19, 2018.
  181. Esbenshade AJ, Friedman DL, Lu L, Oeffinger KC, Armstrong GT, Krull KR, Neglia JP, Leisenring W, Stovall M, Howell RM, Robison LL, **Ness KK**. Using the cumulative illness rating scale to characterize the burden of chronic conditions among childhood cancer survivors and to predict mortality and future hospitalization. SIOP Annual Meeting. Kyoto City, State of Japan. November 16-19, 2018.
  182. Ehrhardt MJ, Howell CR, Hale K, Baassiri MJ, Rodriguez C, Wilson CL, Joshi SS, Lemond TC, Shope S, Howell RM, Wang Z, Mulrooney DA, Zhang J, Robison LL, **Ness KK**, Hudson MM. Breast cancer risk and detection in female childhood cancer survivors in the St. Jude Lifetime Cohort Study (SJLIFE). (a) SIOP Annual Congress. Kyoto, Japan. November 16-19, 2018. (b) North American Symposium on Late Complications after Childhood Cancer. Atlanta, GA. June 20-22, 2019. Oral presentation.
  183. Barlow-Krelina E, Edelstein K, Krull KR, Chen Y, Yasui Y, Armstrong GT, **Ness KK**, Robison LL, Gibson TM, Oeffinger K, Nathan P, Howell R, Leisenring W. Physical activity and neurocognitive outcomes in adult survivors of

- childhood cancers: A report from the Childhood Cancer Survivor Study (CCSS). INS 2019 Annual Meeting. New York City, NY. February 20-23, 2019.
184. Mulrooney DA, Hyun G, **Ness KK**, Ehrhardt MJ, Yasui Y, Duprez D, Howell RM, Leisenring W, Constine LS, Oeffinger KC, Gibson TM, Tonorezos ES, Robison LL, Hudson MM, Armstrong GT. Cardiac events in survivors of childhood cancer treated in more recent eras: A report from the Childhood Cancer Survivor Study. ASCO Annual Meeting. Abstract # 10058. Chicago, IL. May 31-June 4, 2019.
  185. Arsenault V, Qui W, Liu Q, Yeh J, Leisenring WM, **Ness KK**, Armstrong GT, Henderson T, Walsh A, Yabroff R, Oeffinger K, Hudson MM, Yasui Y, Nathan P. Emergency department (ED) visits and hospitalizations in survivors of childhood cancer in the Childhood Cancer Survivor Study. (a) ASCO Annual Meeting. Abstract # 10056. Chicago, IL. May 31-June 4, 2019. (b) NASLCCC Annual Meeting. Abstract # P29. Atlanta, GA. June 20-22, 2019.
  186. Dixon S, Howell CR, Lu L, **Ness KK**, Plana J, Joshi V, Luepker RV, Durand JB, Ky B, Lenihan DJ, Green DM, Partin R, Santucci A, Howell RM, Srivastava DK, Hudson MM, Robison LL, Armstrong GT. Serum biomarkers for detection of cardiomyopathy in survivors of childhood cancer: A report from the St. Jude Lifetime Cohort. (a) ASCO Annual Meeting. Abstract # e21526. Chicago, IL. May 31-June 4, 2019. (b) NASLCCC Annual Meeting. Abstract #P9. Atlanta, GA. June 20-22, 2019.
  187. Green DM, Wang M, Krasin MJ, Srivastava DK, Howell C, Jay DW, **Ness KK**, Greene W, Lanctot J, Shelton K, Davidoff A, Ehrhardt M, Mulrooney D, Robison LL, Hudson MM. Renal function after treatment for childhood cancer: A report from the St. Jude Lifetime Cohort Study. ASCO Annual Meeting. Abstract # 10048. Chicago, IL. May 31-June 4, 2019.
  188. Bhatt NS, Yen HJ, Eissa HM, Huang S, Ehrhardt MJ, Bhakta N, **Ness KK**, Krull KR, Srivastava DK, Robison LL, Hudson MM, Huang IC. Patient-reported outcomes (PROs) in adult survivors of childhood hematopoietic cell transplant (HCT): A report from the St. Jude lifetime cohort study. (a) ASCO Annual Meeting. Abstract # 10049. Chicago, IL. May 31-June 4, 2019. (b) NASLCCC Annual Meeting. Abstract #P34. Atlanta, GA. June 20-22, 2019.
  189. Krull MR, Howell CR, Partin R, Carney G, Mulrooney DA, Robison LL, Hudson MM, **Ness KK**. Impact of protein supplementation on lean muscle mass in adult survivors of childhood cancer engaged in resistance training. (a) ASCO Annual Meeting. Abstract # 10027. Chicago, IL. May 31-June 4, 2019. (b) NASLCCC Annual Meeting. Abstract # P15. Atlanta, GA. June 20-22, 2019.
  190. Howell CR, Wilson CL, Yasui Y, Srivastava DK, Liu W, Bjornard KL, Ehrhardt MJ, Brinkman TM, Chemaitilly W, Hodges JR, Lanctot JQ, Robison LL, Hudson MM, **Ness KK**. Neighborhood effects and obesity in adult survivors of pediatric cancer: A report from the St. Jude Lifetime Cohort Study. (a) ASCO Annual Meeting. Abstract # e23051. Chicago, IL. May 31-June 4, 2019. (b) NASLCCC Annual Meeting. Abstract # P38. Atlanta, GA. June 20-22, 2019. (c) Obesity Week 2019. Abstract # 21250. Las Vegas, NV. November 3-7, 2019.
  191. Hingorani P, Wang M, Srivastava DK, Nathan PC, Oeffinger KC, Yasui Y, Leisenring WM, Howell RM, Mueller EL, Gibson TM, Wolden SL, Bjornard KL, Meyer WH, Arndt CAS, Robison LL, Green DM, Armstrong GT, **Ness KK**. Temporal trends among survivors of rhabdomyosarcoma: A report from the Childhood Cancer Survivor Study (CCSS). ASCO Annual Meeting. Abstract # 11570. Chicago, IL. May 31-June 4, 2019.
  192. Hayek S, Gibson TM, Leisenring WM, Guida JL, Gramatges MM, Lupo PJ, Howell RM, Oeffinger KC, Bhatia S, Edelstein K, Hudson MM, Robison LL, Nathan PC, Yasui Y, Krull KR, Armstrong GT, **Ness KK**. Prevalence and Predictors of Frailty Phenotype among Childhood Cancer Survivors and Siblings: A Report from the Childhood Cancer Survivor Study. (a) ASCO Annual Meeting. Abstract # 10026. Chicago, IL. May 31-June 4, 2019. (b) NASLCCC Annual Meeting. Abstract #O28. Atlanta, GA. June 20-22, 2019. Oral presentation
  193. Friedman DN, Goodman PS, Leisenring WM, Diller LR, Cohn S, Tonorezos ES, Howell RM, Smith SA, Wolden SL, Neglia JP, **Ness KK**, Gibson TM, Nathan PC, Robison LL, Oeffinger KC, Armstrong GT, Sklar CA, Henderson TO. Long term morbidity and mortality among survivors of infant neuroblastoma: A report from the Childhood Cancer Survivor Study (CCSS). (a) ASCO Annual Meeting. Abstract # 10051. Chicago, IL. May 31-June 4, 2019. (b) NASLCCC Annual Meeting. Abstract # P11. Atlanta, GA. June 20-22, 2019.
  194. **Ness KK**, Partin R, Howell CR, Krull, Brinkman TM, Armstrong GT, Chemaitilly W, Wilson CL, Mulrooney DA, Gibson TM, Lanctot JQ, Johnson RE, Krull MR, Shelton KC, Srivastava DK, Robison LL, Hudson MM. Progression of frailty in young adult survivors of childhood cancer: St. Jude Lifetime Cohort. (a) ASCO Annual Meeting.

- Abstract # 10057. Chicago, IL. May 31-June 4, 2019. (b) NASLCCC Annual Meeting. Abstract # O05. Atlanta, GA. June 20-22, 2019. Oral presentation
195. Dixon S, Yan Chen, Yasui Y, Pui CH, Hunger S, Silverman LB, Green DM, Kadan-Lottick NS, **Ness KK**, Leisenring W, Howell RM, Oeffinger KC, Neglia JP, Krull KR, Hudson MM, Robison LL, Mertens AC, Armstrong GT, Nathan PC. Chronic health conditions (CHC) and late mortality in survivors of acute lymphoblastic leukemia (ALL) in the Childhood Cancer Survivor Study. (a) ASCO Annual Meeting. Abstract # 10016. Chicago, IL. May 31-June 4, 2019. (b) NASLCCC Annual Meeting. Abstract # O04. Atlanta, GA. June 20-22, 2019. Oral presentation
  196. Im C, Howell CR, Sapkota Y, Moon WJ, Chemaitilly W, Gibson TM, Mulrooney D, **Ness KK**, Wilson CL, Wang Z, Hudson MM, Robison LL, Yasui Y. The Generalizability of General-population GWAS hits in childhood cancer survivors: An analysis of 12 anthropometric and cardiometabolic phenotypes in the St. Jude Lifetime Cohort Study (SJLIFE). NASLCCC Annual Meeting. Abstract # O31. Atlanta, GA. June 20-22, 2019. Oral presentation
  197. Ehrhardt M, Howell C, Hale K, Baassiri M, Rodriguez C, Wilson CL, Joshi S, Lemond T, Shope S, Howell R, Wang Z, Srivastava DK, Mulrooney D, Zhang J, Robison LL, **Ness KK**, Hudson MM. Subsequent Breast Cancer in Female Childhood Cancer Survivors in the St. Jude Lifetime Cohort Study (SJLIFE). NASLCCC Annual Meeting. Abstract # O03. Atlanta, GA. June 20-22, 2019. Oral presentation
  198. Mulrooney DA, Hyun G, **Ness KK**, Ehrhardt M, Yasui Y, Duprez D, Howell R, Leisenring W, Constine L, Oeffinger K, Gibson TM, Tonorezos E, Robison LL, Hudson MM, Armstrong GT. Reduction in Cardiac Events for Survivors of Childhood Cancer Treated in More Recent Eras: A Report from the Childhood Cancer Survivor Study. NASLCCC Annual Meeting. Abstract # O18. Atlanta, GA. June 20-22, 2019. Oral presentation
  199. O'Neil S, Partin R, Howell C, Pui CH, Inaba H, Chambliss H, Robison LL, Hudson MM, **Ness KK**. Neuropathy and Fine-Motor-Function in Survivors of Childhood Acute Lymphoblastic Leukemia: A Report from the St. Jude Lifetime Cohort Study. NASLCCC Annual Meeting. Abstract # P35. Atlanta, GA. June 20-22, 2019.
  200. Ehrhardt M, Chen Y, Sandlund J, Bluhm E, Hayashi R, Bechtell K, Leisenring W, Metzger M, **Ness KK**, Krull K, Oeffinger K, Gibson TM, Cairo M, Gross T, Robison LL, Armstrong GT, Yasui Y, Hudson MM, Mulrooney D. Late Health Outcomes Following Contemporary Lymphoma Malin De Burkitt Therapy for Mature B-Cell Non-Hodgkin Lymphoma: A Report from The Childhood Cancer Survivor Study. NASLCCC Annual Meeting. Abstract # P32. Atlanta, GA. June 20-22, 2019.
  201. Barlow-Krelina E, Chen Y, Yasui Y, Till C, Gibson TM, **Ness KK**, Leisenring WM, Howell RM, Nathan PC, Oeffinger KC, Robison LL, Armstrong GT, Krull KR, Edelstein K. Physical Activity and Neurocognitive Outcomes in Adult Survivors of Childhood Cancers: A Report from The Childhood Cancer Survivor Study. NASLCCC Annual Meeting. Abstract # P21. Atlanta, GA. June 20-22, 2019.
  202. Wogksch M, Howell C, Partin R, Chambliss H, Inaba H, Pui CH, Hudson MM, Robison LL, **Ness KK**. Obesity and Walking Efficiency in Survivors of Acute Lymphoblastic Leukemia: A Report from The St. Jude Lifetime Cohort. NASLCCC Annual Meeting. Abstract # P20. Atlanta, GA. June 20-22, 2019.
  203. Brinkman T, Mandrell B, Lubas M, Howell C, Banerjee P, Li C, Srivastava DK, **Ness KK**, Robison LL, Hudson MM, Krull KR. Melatonin Intervention for Neurocognitive Deficits in Adult Survivors of Childhood Cancer: A Report from The St. Jude Lifetime Cohort. NASLCCC Annual Meeting. Abstract # P8. Atlanta, GA. June 20-22, 2019.
  204. Bhatt NS, Yen HJ, Eissa HM, Huang S, Ehrhardt MJ, Bhakta N, **Ness KK**, Krull KR, Srivastava DK, Robison LL, Hudson MM, Huang IC. Patient-reported outcomes in adult survivors of childhood hematopoietic cell transplant: A report from the St. Jude Lifetime Cohort Study. ASCO Annual Meeting. Chicago, IL. May 31-June 4, 2019.
  205. Song N, Qin N, Howell CR, Wilson CL, Easton J, Mulder H, Edmondson MN, Rusch MC, Zhang J, Hudson MM, Yasui Y, Robison LL, **Ness KK**, Wang Z. Leukocyte telomere length and occurrence of chronic health conditions among survivors of childhood cancer: A report from the St. Jude Lifetime Cohort. ASHG Annual Meeting. PgmNr 34. Houston, TX. October 15-19, 2019.
  206. Dixon S, Chen Y, Yasui Y, Pui CH, Hunger S, Silverman L, Green D, Kadan-Lottick N, **Ness KK**, Leisenring W, Howell RM, Oeffinger K, Neglia J, Krull KR, Hudson MM, Robison LL, Mertens A, Armstrong GT, Nathan P. Effect of risk-stratified therapy on health status and sociodemographic outcomes in survivors of Acute Lymphoblastic



Leukemia (ALL) in the Childhood Cancer Survivor Study. SIOP Annual Meeting. Lyon, French Republic. October 23-26, 2019.

207. Qin N, Li Z, Song N, Easton J, Mulder H, Plyler E, Neale G, Walker E, Wilson CL, Hudson MM, Yasui Y, Robison LL, Zhang J, Ness KK, Wang Z. Epigenetic age acceleration and chronic health conditions among adult survivors of childhood cancer: A report from the St. Jude Lifetime Cohort. AACR Annual Meeting. San Diego, CA. April 27-28, 2020.

#### ix. Abstracts Accepted for Publication

1. Williams AL, Krull KR, Howell CR, Banerjee P, Brinkman TM, Kaste SC, Partin RE, Srivastava DK, Armstrong GT, Robison LL, Hudson MM, **Ness KK**. Frailty and neurocognitive decline in young adult survivors of childhood cancer: A longitudinal analysis from the St. Jude Lifetime Cohort. ASCO 2020 Annual Meeting. Abstract # 10555. Chicago, IL. May 29-Jun 2, 2020. Role: Senior author
2. Im C, Li N, Moon WJ, Morton LM, Leisenring WM, Howell RM, Oeffinger KC, Sklar CA, Wilson CL, Sapkota Y, **Ness KK**, Hudson MM, Robison LL, Bhatia S, Armstrong GT, Yasui Y. HAGHL genetic variants increase first fracture risk (FFR) in female childhood cancer survivors: A report from the Childhood Cancer Survivor Study (CCSS) and St. Jude Lifetime Cohort Study (SJLIFE). ASCO 2020 Annual Meeting. Abstract # 306041. Chicago, IL. May 29-Jun 2, 2020.
3. Rodwin R, **Ness KK**, Srivastava DK, Brinkman TM, Krull KR, Armstrong GT, Khan R, Phillips N, Merchant T, Robison LL, Hudson MM, Lu L, Kadan-Lottick N. Peripheral motor and sensory neuropathy in survivors of childhood central nervous system (CNS) tumors in the St. Jude Lifetime (SJLIFE) cohort. ASCO 2020 Annual Meeting. Abstract # 10546. Chicago, IL. May 29-Jun 2, 2020.
4. Lubas MM, Wang M, Jefferies JL, **Ness KK**, Ehrhardt MJ, Krull KR, Mulrooney DA, Srivastava DK, Robison LL, Hudson MM, Armstrong GT, Brinkman TM. Emotional distress, stress, and cardiovascular health in adult survivors of childhood cancer. ASCO 2020 Annual Meeting. Abstract # 10547. Chicago, IL. May 29-Jun 2, 2020.
5. Gunturkun F, Davis RL, Armstrong GT, Jefferies J, **Ness KK**, Green DM, Lubas J, Srivastava DK, Hudson MM, Robison LL, Mulrone Dm, Soliman EZ, Karabayir I, Akbilgic O. Deep learning for improved prediction of late-onset cardiomyopathy among childhood cancer survivors: A report from the St. Jude Lifetime Cohort (SJLIFE). ASCO 2020 Annual Meeting. Abstract # 10545. Chicago, IL. May 29-Jun 2, 2020.
6. Rodwin RL, Chen Y, Yasui Y, Leisenring WM, Gibson TM, Nathan PC, Howell RM, Krull KR, Mohrmann C, Hayashi RJ, Chow EJ, Oeffinger KC, Armstrong GT, **Ness KK**, Kadan-Lottick NS. Neuromuscular dysfunction and associated health/socioeconomic outcomes: A report from the Childhood Cancer Survivor Study. ASCO 2020 Annual Meeting. Abstract # TBA. Chicago, IL. May 29-Jun 2, 2020.
7. Rodwin RL, Lu L, Srivastava DK, Brinkman TM, Krull KR, Armstrong GT, Khan RB, Phillips NS, Merchant TE, Gajjar A, Robison LL, Hudson MM, Kadan-Lottick NS, **Ness KK**. Peripheral motor and sensory neuropathy in survivors of childhood central nervous system (CNS) tumors in the St. Jude Lifetime (SJLIFE) cohort. ASCO 2020 Annual Meeting. Abstract # TBA. Chicago, IL. May 29-Jun 2, 2020.
8. Green DM, Wang M, Krasin MJ, Srivastava DK, Relling MV, Howell CR, **Ness KK**, Kaste SC, Greene W, Jaw DW, Davidoff AM, Pui CH, Jeha S, Bishop MW, Furman WL, Robison LL, Hudson MM. Longitudinal evaluation of alanine aminotransferase after treatment for childhood cancer. A report from the St. Jude Lifetime Cohort Study. ASCO 2020 Annual Meeting. Abstract # e22525. Chicago, IL. May 29-Jun 2, 2020.
9. Lubas M, Brinkman TM, Mandrell B, Ehrhardt M, **Ness KK**, Srivastava DK, Robison LL, Hudson MM, Krull KR. Sleep duration and physical and mental health among adult survivors of childhood cancer: Results from the St. Jude Lifetime Cohort. SLEEP 2020 Annual Meeting, APSS Annual Conference. Abstract # 1015. Philadelphia, PA. June 13-17, 2020.
10. Brinkman TM, Krull KR, Reddick G, Scoggins M, Li Z, Zou P, Glass J, **Ness KK**, Sabin N, Gajjar A, Armstrong GT, Robison LL, Hudson MM. Neural network integrity for facial affect recognition in survivors of medulloblastoma. ISPNO Symposium 2020. Abstract #373. Nagano, Japan. December 13-16, 2020.

#### 19. Presentations

**a. Oral Presentations**

1. Childhood Cancer – Rehabilitation Strategies. St. Catherine University. August 2005.
2. Medicare & Medicaid Reimbursement Systems. St. Catherine University. December 2005.
3. Functional limitations in cancer survivors. Physical Medicine & Rehabilitation Grand Rounds. University of Minnesota. April 2006. Role: Invited speaker
4. Exercise for childhood cancer survivors. APTA Combined Sections Meeting. February 2008. Role: Invited speaker
5. Remaining Physically Active After Cancer. University of Minnesota Survivor Day. Minneapolis, Minnesota. April 2008. Role: Invited speaker
6. Low magnitude, high frequency mechanical stimulation to enhance bone health in childhood cancer survivors. Post-doctoral seminar. St. Jude Children’s Research Hospital. May 2008. Role: Invited speaker
7. Functional outcomes, problems and quality of life in childhood sarcoma survivors. ASCO Meeting. June 2008. Role: Invited speaker
8. The implication of sample size for evidence-based practice: what does power mean in the context of statistical and clinical significance? APTA Combined Sections Meeting. February 2009. Role: Invited speaker
9. Exercise Planning After Cancer. University of Minnesota Survivor Day. Minneapolis, Minnesota. April 2009. Role: Invited speaker
10. Neurosensory and neuromuscular function in adult survivors of childhood cancer. Section of pediatric hematology-oncology. Yale University School of Medicine. October 2009. Role: Invited speaker
11. Measuring, monitoring and mediating physical function in childhood cancer survivors. Department of Pediatrics Grand Rounds. University of Minnesota. December 2009. Role: Invited speaker
12. Physical therapy for children with cancer. APTA Annual Conference. June 2010. Role: Invited speaker
13. Evaluation of a potential patient reported outcome for neuropathic pain. Children’s Oncology Group, COG PRO/QoL Resource Center workshop. August 2010. Role: Invited speaker
14. Prevalence, prediction and prevention of physical performance limitations among childhood cancer survivors. The Hospital for Sick Children, Pediatric Oncology Rounds. September 2010. Role: Invited speaker
15. Physical inactivity and body composition among childhood cancer survivors. AICR Annual Conference. October 2010. Role: Invited speaker
16. The impact of osteosarcoma and its management on daily activity, mobility and athletic participation. Pediatric Oncology Group Ontario. November 2010. Role: Invited speaker
17. Function and frailty among childhood cancer survivors. Cincinnati Children’s Hospital, Pediatric Oncology and Physical Medicine and Rehabilitation Grand Rounds. December 2010. Role: Invited speaker
18. Management of chemotherapy-induced peripheral neuropathy. APTA Combined Sections Meeting. February 2011. Role: Invited speaker
19. Measuring outcomes in oncology rehabilitation. American Physical Therapy Association Combined Sections Meeting. New Orleans, LA. February 2011. Role: Invited speaker
20. Functional outcomes after pediatric hematopoietic cell transplantation. NIH/PBMTC First International Conference on Late Effects after Pediatric Hematopoietic Cell Transplantation. April 2011. Role: Invited speaker
21. Functional characteristics of adult survivors of childhood cancer with impaired growth hormone function. Wake Forest University. May 2011. Role: Invited speaker

22. Balance impairment in adult survivors of childhood cancer treated with platinum. 43rd Congress of the International Society of Paediatric Oncology. October 2011. Role: Invited speaker
23. Describing function in childhood cancer survivors – knowledge gained from surveys, surveillance, and cells. Sydney Children’s Hospital. November 2011. Role: Invited speaker
24. Evidence for exercise. St. Jude Children’s Research Hospital Grand Rounds. January 2012. Role: Invited speaker
25. Feasibility of exercise intervention for children with T-cell acute lymphoblastic leukemia. Children’s Oncology Group. April 2012. Role: Invited speaker
26. Development and review of survey research: the basics. St. Jude Children’s Research Hospital Clinical Research Forum. April 2012. Role: Invited speaker
27. Exercise in children with cancer and among childhood cancer survivors. University of Toronto. April 2012. Role: Invited speaker
28. Rehabilitation and childhood cancer – the evidence for exercise. Cincinnati Children’s Hospital Medical Center, Best Practices in Pediatric Occupational Therapy and Physical Therapy 2012. November 2012. Role: Invited speaker
29. Significant findings from oncology rehabilitation and the importance of case studies in generating such studies. APTA Meeting. January 2013. Role: Invited speaker
30. The evidence for frail health among childhood cancer survivors. Memorial Sloan-Kettering Cancer Center, Rehabilitation Medicine Grand Rounds. April 3, 2013. Role: Invited speaker
31. 2012 FDP Faculty administrative workload burden survey. National Council of University Research Administrators (NCURA) Region III Meeting. April 29, 2013. Role: Invited speaker
32. Late effects of cancer treatment. The Society of Pediatric Radiology 2013 Postgraduate Course. May 15, 2013. Role: Invited speaker
33. Pulmonary late effects in childhood cancer survivors. Le Bonheur Children’s Hospital combined with the 2013 Dr. Phillip George Lectureship in Pediatric Pulmonology. June 14, 2013. Role: Invited speaker
34. Evidence for early onset of aging among adult survivors of childhood cancer. Mayo Clinic Robert and Arlene Kogod Center on Aging Seminar. September 9, 2013. Role: Invited speaker
35. The role of physical therapy in pediatric oncology. APTA Combined Sections Meeting. February 3, 2014. Role: Invited speaker
36. Management of chemotherapy-induced (and other) peripheral neuropathies at any age. APTA Combined Sections Meeting. February 6, 2014. Role: Invited speaker
37. Evidence for an aging phenotype among adult survivors of childhood cancer. University of California School of Medicine, Departments of Orthopedic Surgery and Bioengineering. February 24, 2014. Role: Invited speaker
38. Aging in the context of chronic disease. The American Psychosomatic Society Annual Meeting. March 13, 2014. Role: Invited speaker
39. Functional health and fitness interventions in survivors of pediatric sarcoma. MD Anderson Cancer Center. The University of Texas. April 14, 2014. Role: Invited speaker
40. Accelerated aging in cancer survivors: lessons learned from longitudinal follow-up studies. ASCO Annual Meeting. June 1, 2014. Role: Invited speaker
41. Interventions for cardiovascular and musculoskeletal health among children with cancer. 2nd Annual Cancer Rehabilitation Symposium. Memorial Sloan-Kettering Cancer Center. June 6-7, 2014. Role: Invited speaker

42. Using data from survivor studies to design prevention and remediation trials. City of Hope. July 17, 2014. Role: Invited speaker
43. Prevalence of frailty in childhood cancer survivors: Opportunities for intervention. Mayo Clinic – Robert and Arlene Kogod Center on Aging Conference. Mayo Clinic. October 25, 2014. Role: Invited speaker
44. Physical activity among childhood cancer survivors – the evidence for exercise. AICR Meeting. October 30, 2014. Role: Invited speaker
45. The price of cure: frailty in survivors of childhood cancer. AICR Annual Meeting. Philadelphia, PA. April 18, 2015. Role: Invited speaker
46. Optimizing health and fitness following cancer therapy. 10<sup>th</sup> Annual Cancer Survivorship Conference – Mind and Body Wellness for the Cancer Survivor. University of Minnesota. May 2, 2015. Role: Invited speaker
47. Evidence for an aging phenotype in childhood cancer survivors. City of Hope. May 12, 2015. Role: Invited speaker
48. Exercise, fitness and obesity. 2015 James H. Horner, MD, Distinguished Visiting Professorship. University of Tennessee Health Sciences Center. September 18, 2015. Role: Invited speaker
49. The role of health care professionals in chronic disease prevention and health promotion. 92nd ACRM Annual Conference. October 26, 2015. Role: Invited speaker
50. Functional outcomes in AYA sarcoma patients. Adolescent & Young Adult Sarcoma Symposium. CTOS Annual Meeting. November 7, 2015. Role: Invited speaker
51. Evidence for an aging phenotype in childhood cancer survivors. Sidney Kimmel Cancer Center at Thomas Jefferson University. November 17, 2015. Role: Invited speaker
52. Outcomes research in Epidemiology and Cancer Control: From observation to intervention. St. Jude Children’s Research Hospital. November 20, 2015. Role: Invited speaker
53. Frailty in older survivors – a novel outcome. POGO Annual After Care Education Day. June 13, 2016. Role: Invited speaker
54. Integrating cancer rehabilitation into cancer care. Innovation in rapidly changing landscape. 8th Biennial Cancer Survivorship Research Symposium. St. Jude Children’s Research Hospital. June 16-18, 2016. Role: Invited speaker
55. Frailty phenotype in childhood cancer survivors; a model of treatment-induced accelerated aging. Workshop on Hematology and Aging: Highlighting Novel Science and Promoting a Research Agenda. 3rd Annual Scientific Workshop in Hematology and Aging. 58th ASH Annual Meeting & Exposition, American Society of Hematology. December 1-3, 2016. Role: Invited speaker
56. Exercise interventions during and following treatment for childhood cancer. Grand Rounds. Rocky Mountain Hospital for Children. December 16, 2016. Role: Invited speaker
57. Physical activity in the prevention of frailty (promotion of fitness) in childhood cancer survivors. Workshop on Cancer and Aging. UCLA Luskin Center, University of California. February 8, 2017. Role: Invited speaker
58. Exercise interventions during and after treatment for childhood cancer. Grand Rounds Speaker. MD Anderson Cancer Center, University of Texas. April 17, 2017. Role: Invited speaker
59. Characterizing and remediating frail health in childhood cancer survivors. 2017 Science of Cancer Survivorship Series. National Cancer Institute, Office of Cancer Survivorship. May 10, 2017. Role: Invited speaker
60. Physical rehabilitation for children during, soon after and many years after cancer therapy. NSPHO Annual Conference. May 26, 2017. Role: Invited speaker
61. Muscle function in children with leukemia – the effects of treatment on long-term physiological health. 1st CLEAR Annual Conference. July 2, 2017. Role: Invited speaker

62. Exercise interventions during and following treatment for childhood cancer. Pediatric Cancer Care: Implications for the Continuum of Rehabilitation. Seattle Children's Hospital, Rehabilitation Department. September 17, 2017. Role: Invited speaker
63. Incorporating physical activity & nutrition into adolescent and young adult programs. 2nd GAYA Congress. December 5-7, 2017. Role: Invited speaker
64. Characterizing and remediating frail health in childhood cancer survivors. AFLAC Research Conference at AFLAC Cancer and Blood Disorders Center of Children's Healthcare of Atlanta and Emory University School of Medicine. December 11-12, 2017. Role: Invited speaker
65. Clinical aging phenotypes. Measuring Aging and Identifying Aging Phenotypes in Cancer Survivors Think Tank Meeting. National Cancer Institute. July 25-26, 2018. Role: Invited speaker
66. Title TBA. Modeling the Activity of Children and Youth (MACY) Workshop. National Cancer Institute. August 30-31, 2018. Role: Invited speaker.
67. Exercise trials in pediatric Oncology. COG State of Science Nutrition Meeting. October 1, 2018. Role: Invited speaker
68. Emerging Technologies in Childhood Cancer Survivorship Research Conference. 2018 Emerging Technologies in Childhood Cancer Survivorship Research Conference. Texas Children's Hospital, Cancer and Hematology Centers. November 9, 2018. Role: Invited speaker
69. Function and frail health in childhood cancer survivors. Texas Children's Hematology and Oncology Center's Research Seminar Series. January 3, 2019. Role: Invited speaker.
70. Science of Survivorship: The Intersection of Survivorship and Aging. AACR Annual Meeting. April 1, 2019. Role: Invited speaker.
71. Muscle function and physical activity. Childhood Leukaemia Early Adverse Reactions Conference (CLEAR). May 9-11, 2019. Role: Invited speaker.
72. Remediating frail health in childhood cancer survivors. 10<sup>th</sup> Annual Alliance for Healthy Aging, Newcastle University Institute for Ageing. October 24-26, 2019. Role: Invited speaker.
73. Premature aging and frail health in childhood cancer survivors. 29<sup>th</sup> Annual Beckman Symposium on Cancer from Cradle to Grave: Age and its Effects on Cancer Biology, Therapy and Outcomes. November 1, 2019. Role: Invited speaker.
74. Canaries in the coal mine: What can we learn about aging in survivors of childhood cancer? Cancer Seminar Series. University of Tennessee Health Sciences Center. December 10, 2019. Role: Invited speaker.
75. Physical Therapy and Oncology Care: Systemic Influences, Implementation, Cost, and the Need for More Research. APTA Combined Sections Meeting. February 13, 2020. Role: Invited Speaker

**b. Invited to Present**

1. Interventions to prevent loss of fitness and function in children during and following cancer therapy. ACSM Annual Meeting 2020. May 26-30, 2020. Role: Invited speaker.
2. Promoting a healthy lifestyle during and after cancer therapy. Options in the hospital, at home and in the community. Children's Hospital of Wisconsin Cancer Survivorship Conference. October 16, 2020. Role: Invited speaker.
3. Title TBA. International Conference on Pediatric Cancer Survivorship. October 23, 2020. Role: Invited speaker.
4. Premature aging and frailty. Fred Hutch Cancer Survivorship Conference. October 2021. Role: Invited speaker.