

Curriculum Vitae

Amanda Sue Thomas

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EDUCATION

University of Minnesota – School of Public Health

Doctor of Philosophy Student
Concentration: Epidemiology

September 2021-Present
Minneapolis, MN

University of South Carolina- Arnold School of Public Health

Masters of Science in Public Health
Concentration: Epidemiology

August 2016
Columbia, SC

Hope College

Bachelor of Science
Major: Biology
Minors: Spanish, Biochemistry

May 2013
Holland, MI

AWARDS & MEMBERSHIPS

Awards

Delta Omega Honorary Society in Public Health (Mu Chapter) Inductee, 2016

Arnold School of Public Health Vernberg Fellowship Recipient, 2015-2016

University of South Carolina- Epidemiology Department Fellowship, 2014-2016

Memberships

2021-present	American Association for Cancer Research Member
2016-present	Delta Omega Honorary Society in Public Health (Mu Chapter) Member
2018-2019	American Heart Association Member
2015-2016	University of South Carolina Relay for Life Executive Committee
2015-2016	University of South Carolina DSAC Member- IHI Liaison
2014-2016	University of South Carolina Graduate Student Association Member
2014-2016	University of South Carolina Chapter of IHI OS Member –Vice President (2015-2016)
2013-present	Hope College Athletics H-Club Member

Research Experience

Minnesota Population Health Center, Institute for Social Research and Data Innovation

September 2022-Present
Minneapolis, MN

Pre-Doctoral Graduate School Trainee, Drs Jen Poynter & Rob Warren

- Participating in a pre-doctoral fellowship through the Interdisciplinary Population Health Science Training Program, a T32 program funded by the NICHD

Past

University of Minnesota, School of Public Health

August 2021- August 2022
Minneapolis, MN

Graduate Research Assistant, Jen Poynter, PhD, MPH

- Conducted research-related activities (data analysis, manuscript writing, etc.) pertaining to populations with myelodysplastic syndrome (MDS) and acute myeloid leukemia (AML)
- Researched the influence of radon exposure and other environmental and socioeconomic factors on adult MDS and AML populations in Minnesota

Emory University School of Medicine

January 2019 – July 2021

*Assistant Epidemiologist, Lazaros Kochilas, MD, MSCR**Biostatistician, Department of Pediatrics Biostatistics Core*

Atlanta, GA

- Collaborated with principal investigators, fellows, residents both locally and nationally to organize research studies from conception to final product (grant submission, study design, journal publication, abstract submission/presentation)
- Allocated time between an average of 10-15 ongoing research projects at once in various stages with literature review, analysis, and manuscript writing in order to facilitate finished scientific product
- Completed objectives related to current nationally funded grants (NIH R01, NIH R21, Department of Defense) and their aims, including the linkage/integration of national data registries (National Death Index, Organ Procurement and Transplantation Network) with relevant database information

Emory University School of Medicine

September 2016 – December 2018

Manager of Research Projects, Lazaros Kochilas, MD, MSCR

Atlanta, GA

- Corrected the financial trajectory of a grant headed toward a shortfall by creating and executing a budget plan, resulting in savings of \$100,000.
- Drafted regulatory documents and provided research insight of over 10 grant applications including multiple R21, R01 and one Department of Defense grant, totaling \$2 million of research funding with current reviews
- Coordinated a national group of over 20 researchers that produced 8 peer-reviewed publications in 2018, representing an increase over the prior years' productivity
- Balanced competing priorities to both manage projects administratively and perform statistical analysis and research project consultation under the direction of Dr. Kochilas for the Pediatric Heart Disease Data Registry core

University of South Carolina

January 2015 – August 2017

Cancer Prevention Control Program

Columbia, SC

Graduate Research Assistant, Swann A. Adams, PhD, MS

- Investigated breast cancer treatment and survival outcomes for South Carolina women
- Conducted data analysis in SAS and follow-up study for the SISTAS project

University of South Carolina

August 2015 – August 2016

Cancer Survivorship Center

Columbia, SC

Liasion/ Graduate Assistant, Dr. Swann A. Adams & Dr. Sue Heiney

- Facilitated center meetings, advertising, and seminar series
- Disseminated center accomplishments

University of South Carolina

August 2014 - December 2014

Cancer Prevention Control Program

Columbia, SC

Volunteer Researcher, Swann A. Adams, PhD, MS

- Assisted with SISTAS (Sistas Inspiring Sistas Through Activity & Support) study (R15 supported study)
- Acquired pertinent knowledge on community-based intervention study conduct and structure

University of South Carolina

August 2014 - December 2014

Biology Department

Columbia, SC

Graduate Teaching Assistant, Dr. Elina Levina

- Instructed an undergraduate introductory biology laboratory
- Graded all examinations and lab reports

Hope College

August 2012- May 2013

Biology Department

Holland, MI

Independent Researcher, Dr. Thomas Bultman

- Tested for sexual parasitism by an endophytic fungus and effect of organic and synthetic fertilizer on grass

- Collected information on medicinal plants at Morningside Park in Holland, MI

ABSTRACTS & PUBLICATIONS

Abstracts-

National and International:

- 1) Divya Suthar, Asaad Beshish, **Amanda S Thomas**, J'Neka Claxton, Jessica Knight, Fawwaz Shaw, William T Mahle, Matthew Oster, Lazaros Kochilas: "Impact of Pre-Fontan Hemodynamics on Long-Term Outcomes of Patients With Fontan Palliation". Scientific Sessions, Boston, MA, November 13-15, 2021. (rapid fire oral presentation)
- 2) Lydia K Wright, **Amanda S Thomas**, J'Neka S Claxton, Divya Suthar, Fawwaz R Shaw, William T Mahle, Lazaros Kochilas, Shriprasad R Deshpande: "Long-Term Need for Heart Transplantation and Post-Transplantation Survival After Fontan Palliation". AHA Scientific Sessions, Boston, MA, November 13-15, 2021. (rapid fire oral presentation)
- 3) Rachel Zmora, Jessica Knight, **Amanda S Thomas**, John Bass, James St Louis, Logan Spector, Lazaros Kochilas: "The Center-Volume Effect on Congenital Heart Surgery Revised: Is It Time to Consider Regionalization of Care?". AHA Scientific Sessions, Boston, MA, November 13-15, 2021. (oral abstract presentation)
- 4) Asaad Beshish, Divya Suthar, **Amanda Thomas**, J'Neka Claxton, Jessica Knight, Fawwaz Shaw, Matthew Oster, Lazaros Kochilas: "Does Type of Fontan or Use of Fenestration Matter for Long-Term Outcomes? A Study From the Pediatric Cardiac Care Consortium". PCICS 2021, Virtual, September 20-22, 2021.
- 5) Lauren Roach, Kristina Cossen, Adolph Casal, **Amanda Thomas**, Nina Ham: "Impact of the COVID-19 Pandemic on Hospitalizations in a Subset of High-Risk Pediatric Diabetes Patients. Pediatric Endocrine Society (PES) annual meeting 2021, Virtual, April 30-May 2, 2021. (Presidential Award)
- 6) Caryn Robertson, **Amanda Thomas**, Atsuko Koyama, Swaminathan Kansaswamy, Evan Orenstein, Holly Gooding. SAHM Annual Meeting 2021. "Missed Opportunities for Sexual History Documentation and STI Testing in the Pediatric Emergency Department". SAHM 2021(Platform Research Presentation - Charles E Irwin, Jr. New Investigator Award finalist)
- 7) Hussain Rao, Noor Alshami, Mohammed Hasan, Amber Leila Sarvestani, Elizabeth Turk, **Amanda S. Thomas**, Lazaros Kochilas, Geetha Raghuveer: "Outcomes Following Single Stage Repair Of Truncus Arteriosus And Interrupted Aortic Arch". AHA Scientific Sessions, Philadelphia, PA, November 16-18, 2020.
- 8) Anjali Khanna, Jee-Young N. Ham, Margret Kamel, Kathryn M. Ngo, **Amanda S. Thomas**, Rochelle Liverman, Rouba Garro: "Post-Transplant Diabetes Mellitus in a Single Pediatric Kidney Transplant Center: Risk factors, Outcomes, and Characterization of Clinical Course". American Society of Nephrology, Kidney Week, Digital conference, October 22-25, 2020 (poster presentation).
- 9) Kao CM, **Thomas AS**, Camacho-Gonzalez A, Sheth A: "The Role of Maternal Vaccination on Healthcare Visits for Acute Respiratory Infections in HIV-Exposed but Uninfected (HEU) Infants". IDWeek 2020, October 21-25, 2020.
- 10) Alsoufi B, **Thomas A**, Falk E, Kochilas, L: "Lack of Correlation Between Severity of Preoperative Mitral Regurgitation And Left Ventricular Dysfunction and Survival in Patients With Anomalous Left Coronary Artery Origin From Pulmonary Artery". CHSS & ECHSA Joint Meeting, Boston, MA, October 22-24, 2020.
- 11) Sabikha Alam, J'Neka S. Claxton, **Amanda S. Thomas**, Michael Mortillo, Leandros Sassis, Pelagia Kefala-Karli, Lazaros Kochilas, Stephanie B. Wechsler: "20-year Surgical Outcomes for Turner Syndrome Patients: Data from the Pediatric Cardiac Care Consortium". American Academy of Pediatrics 2021, Virtual, October 2-5, 2020.

- 12) Patel JD, Mandhani M, Batsis M, Gray R, Pettus J, McCracken C, **Thomas A**, Bauser-Heaton H, Ligon RA, Kim DW, Vincent RN, Petit CJ: "Transcatheter Recanalization of Atretic Pulmonary Veins in Children". SCAI 2020 Scientific Sessions Virtual Conference, May 14-16, 2020.
- 13) **Thomas AS**, Spector L, Kochilas LK: "Cancer mortality in children surviving congenital heart surgery: A study from the pediatric cardiac care consortium". American Association for Cancer Research (AARC), Atlanta, GA March 29-April 3, 2019 (poster presentation).
- 14) Gabriel L. Perlow*, Jessica H. Knight, Mohammad Khan, **Amanda S. Thomas**, Lazaros K. Kochilas: "Surgically-Treated Mild Congenital Heart Defects: Long-term outcomes from the Pediatric Cardiac Care Consortium". AHA Scientific Sessions, Chicago, IL, November 10-14, 2018 (Poster presentation).
- 15) **Thomas AS***, Knight JH, Kochilas LK: "Long Term Outcomes and Causes of Death in Chromosomally Abnormal Children Surviving Congenital Heart Surgery". AHA Scientific Sessions, Chicago, IL, November 10-14, 2018 (Poster presentation).
- 16) L. Wright, J. Knight*, **A. Thomas**, L. Kochilas: "Long-term outcomes after surgery for pulmonary atresia with intact ventricular septum: a study from the Pediatric Cardiac Care Consortium". ACC 67th Annual Scientific Session & Expo, Orlando, FL, USA; March 10-12, 2018. (Platform presentation-Selected for the competition of the Young Investigator's Award).
- 17) **A. Thomas***, S. Mahoney, J. Knight, L. Kochilas: "Long-term outcomes of cardiovascular operations in children with Marfan Syndrome". American Academy of Pediatrics (AAP), National Conference & Exhibition, Chicago, IL, September 16-19, 2017(Oral abstract presentation).
- 18) L. Kochilas*, C. E. McCracken, **A. Thomas**, S. Shashidharan, B. Alsoufi: "Long Term Survival After Extracorporeal Life Support Following Pediatric Cardiac Surgery: A Study from the Pediatric Cardiac Care Consortium. World Congress of Pediatric Cardiology and Cardiac Surgery, Barcelona, Spain July 15-21, 2017 (Poster presentation).
- 19) **A. Thomas***, A. Chan, B. Alsoufi, L. Kochilas: "Long Term Outcomes of Children Operated for Anomalous Left Coronary Artery from the pulmonary Artery (ALCAPA). World Congress of Pediatric Cardiology and Cardiac Surgery, Barcelona, Spain July 15-21, 2017 (Poster presentation).
- 20) A. Chan*, **A. Thomas**, B. Alsoufi, **L. Kochilas**: "Long Term Outcomes of Children Operated for Anomalous Left Coronary Artery from the pulmonary Artery (ALCAPA). PAS-SPR Annual Meeting, San Francisco, CA, 2017 (Platform presentation).

Institutional:

- 1) A. Chan*, **A. Thomas**, B. Alsoufi, L. Kochilas: "Long Term Outcomes of Children Operated for Anomalous Left Coronary Artery from the pulmonary Artery (ALCAPA). Southeastern Pediatric Research Conference, Atlanta, GA , June 9, 2017 (Poster presentation).
- 2) L. Wright*, **A. Thomas**, J. Knight, L. Kochilas: "Long-Term Outcomes after Surgery for Pulmonary Atresia with Intact Ventricular Septum: A Study from the Pediatric Cardiac Care Consortium". Southeastern Pediatric Research Conference, Atlanta, GA , June 9, 2017 (Poster presentation).
- 3) **A. Thomas**. Specialized Intervention Classes to Promote Healthy Lifestyles among African-American Women in South Carolina: The Sistas Inspiring Sistas Through Activity and Support (SISTAS) Research Study. Arnold School of Public Health 40th Anniversary, Columbia, SC. March, 2016 (Poster presentation).

Publications-

- 1) Ziebell D, **Thomas AS**, Shaw F, Kochilas L. Long-term Outcomes of Children with Congenital Heart Disease Surgery on Extracorporeal Life Support. *World Journal for Pediatric and Congenital Heart*

- 2) **Thomas AS**, Falk EE, Mahoney S, Knight JH, Kochilas LK. Long-term Outcomes Of Cardiovascular Operations In Children With Connective Tissue Disorders. *The American Journal of Cardiology*. [Pending publication]
- 3) Patel JD, Mandhani M, Gray R, Pettus J, McCracken CE, **Thomas A**, Bauser-Heaton H, Kim DW, Petit CJ. Transcatheter Recanalization of Atrietic Pulmonary Veins in Infants and Children. *Circ Cardiovasc Interv*. 2022 Jun;15(6):e011351. doi: 10.1161/CIRCINTERVENTIONS.121.011351. Epub 2022 Jun 21. PMID: 35727880.
- 4) Tran A, Kochilas L, **Thomas AS**, Aggarwal V. Long-term outcomes after repair for anomalous right coronary artery from the pulmonary artery. *Cardiol Young*. 2022 Feb 18:1-5. doi: 10.1017/S1047951122000373. Epub ahead of print. PMID: 35179109.
- 5) Robertson C, **Thomas A**, Koyama A, et al. Missed Opportunities for Sexual History Documentation and Sexually Transmitted Infection Testing in the Pediatric Emergency Department. *J Adolesc Health*. 2022;70(3):429-434. doi:10.1016/j.jadohealth.2021.10.002.
- 6) Siddeek H, Lunos S, **Thomas AS**, McCracken C, Steinberger J, Kochilas L. Long Term Outcomes of Tetralogy of Fallot With Absent Pulmonary Valve (from the Pediatric Cardiac Care Consortium). *Am J Cardiol*. 2021 Nov 1;158:118-123. doi: 10.1016/j.amjcard.2021.07.039. Epub 2021 Sep 10. PMID: 34511183; PMCID: PMC8614622.
- 7) **Thomas AS**, Chan A, Alsoufi B, Vinocur JM and Kochilas L. Long-term Outcomes of Children Operated for Anomalous Left Coronary Artery from the Pulmonary Artery. *The Annals of Thoracic Surgery*. 2021. <https://doi.org/10.1016/j.athoracsur.2021.07.053>. (chosen for CME activity by journal)
- 8) Patel JD, Briones M, Mandhani M, Jones S, Suthar D, Gray R, Pettus J, McCracken C, **Thomas A**, Petit CJ. Systemic Sirolimus Therapy for Infants and Children With Pulmonary Vein Stenosis. *J Am Coll Cardiol*. 2021 Jun 8;77(22):2807-2818. doi: 10.1016/j.jacc.2021.04.013. PMID: 34082911.
- 9) Murphy, C, Upshaw, NC, **Thomas, AS**, et al. Impact of executive functioning on health-related quality of life of pediatric brain tumor survivors. *Pediatr Blood Cancer*. 2021;e29130. <https://doi.org/10.1002/pbc.29130>
- 10) Peterson JK, Kochilas LK, Knight J, McCracken C, **Thomas AS**, Moller JH, Setty SP. Long-Term Survival and Causes of Death in Children with Trisomy 21 After Congenital Heart Surgery. *J Pediatr*. 2021 Apr; 231:246-253.e3. doi: 10.1016/j.jpeds.2020.12.058. Epub 2020 Dec 24. PMID: 33359302; PMCID: PMC8005470.
- 11) West ZE, Castellino SM, Monroe C, **Thomas AS**, McCracken C, Miller, TP. Quantifying the difference in risk of adverse events by induction treatment regimen in pediatric acute lymphoblastic leukemia. *Leukemia & Lymphoma*. Nov 2020 (in production). doi: 10.1080/10428194.2020.1852471.
- 12) Alshami N, Sarvestani AL, **Thomas AS**, St Louis J, Kochilas L, Raghuveer G. Valve Replacement in Children with Single Ventricle Physiology. *Pediatr Cardiol*. 2020;41(1):129-133. doi:10.1007/s00246-019-02234-9
- 13) Peterson JK, Setty SP, Knight JH, **Thomas AS**, Moller JH, Kochilas LK. Postoperative and long-term outcomes in children with Trisomy 21 and single ventricle palliation. *Congenit Heart Dis*. 2019;14(5):854-863. doi:10.1111/chd.12823
- 14) Wright LK, Knight JH, **Thomas AS**, Oster ME, St Louis JD and Kochilas LK. Long-term outcomes after intervention for pulmonary atresia with intact ventricular septum. *Heart (British Cardiac Society)*. 2019;105:1007-1013.

- 15) Smith CA, McCracken C, **Thomas AS**, Spector LG, St Louis JD, Oster ME, Moller JH and Kochilas L. Long-term Outcomes of Tetralogy of Fallot: A Study From the Pediatric Cardiac Care Consortium. *JAMA Cardiol.* 2019;4:34-41.
- 16) McCracken C, Spector LG, Menk JS, Knight JH, Vinocur JM, **Thomas AS**, Oster ME, St Louis JD, Moller JH and Kochilas L. Mortality Following Pediatric Congenital Heart Surgery: An Analysis of the Causes of Death Derived From the National Death Index. *J Am Heart Assoc.* 2018;7:e010624.
- 17) Thammineni K, Vinocur JM, Harvey B, Menk JS, Kelleman MS, Korakiti AM, **Thomas AS**, Moller JH, St Louis JD and Kochilas LK. Outcomes after surgical coronary artery revascularisation in children with congenital heart disease. *Heart.* 2018;104:1417-1423.
- 18) Spector LG, Menk JS, Knight JH, McCracken C, **Thomas AS**, Vinocur JM, Oster ME, St Louis JD, Moller JH and Kochilas L. Trends in Long-Term Mortality After Congenital Heart Surgery. *J Am Coll Cardiol.* 2018;71:2434-2446.
- 19) Bevel M, Babatunde OA, Heiney SP, Brandt HM, Wirth MD, Hurley TG, Khan S, Johnson H, Wineglass CM, Warren TY, Murphy EA, Sercy E, **Thomas AS**, Hebert JR and Adams SA. Sistas Inspiring Sistas Through Activity and Support (SISTAS): Study Design and Demographics of Participants. *Ethnicity & disease.* 2018;28:75-84.
- 20) **Thomas, A. S.** (2016). Influence Of Built Environment On Physical Activity Outcomes Among African Americans In Community-Based Obesity Intervention Studies. (Master's thesis). Retrieved from <https://scholarcommons.sc.edu/etd/3837>