

Vikki G. Nolan

University of Memphis, School of Public Health
Division of Epidemiology and Biostatistics
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EDUCATION

2009	DSc	Epidemiology, School of Public Health, Boston University, Boston, MA
2000	MPH	Epidemiology of Microbial Diseases, School of Public Health, Yale University, New Haven, CT
1998	BA	Biology, Minors in Chemistry and Sociology, Hofstra University, Hempstead, NY

PROFESSIONAL EXPERIENCE

University of Memphis, School of Public Health, Memphis, TN

8/2016 – Present	Assistant Dean for Academic Affairs
8/2016 – Present	MPH Coordinator
8/2016 – Present	Associate Professor, (tenured), Division of Epidemiology and Biostatistics
8/2010 – 8/2016	Assistant Professor, Division of Epidemiology and Biostatistics

University of Tennessee Health Science Center, Memphis, TN

7/2016 – Present	Adjunct Faculty Member, Preventive Medicine
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St. Jude Children's Research Hospital, Memphis, TN

7/2008 – 8/2010	Epidemiologic Research Analyst, Department of Epidemiology and Cancer Control
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Boston University School of Medicine, Boston, MA

9/2002 – 6/2008	Data Analyst, Departments: Genetics; Hematology, Center for Excellence in Sickle Cell Disease; Gerontology, New England Centenarian Study
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New York City Department of Health, New York, NY

11/2000 – 9/2002	Public Health Epidemiologist and Consultant, Community HealthWorks
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Emerging Infections Program, New Haven, CT

5/1999 – 5/2000	Research Assistant, Yale FoodNet
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PROFESSIONAL DEVELOPMENT

2021 Higher Education Teaching Certificate, HarvardX

PROFESSIONAL SERVICE

National and Regional Service

2009 – Present Ad hoc reviewer for:
American Journal of Epidemiology
American Journal of Hematology
Annals of Epidemiology
Archives of Physical Medicine and Rehabilitation
Blood
Blood Advances
BMC Emergency Medicine
BMC Hematology
BMC Infectious Diseases
British Journal of Cancer
Child Neuropsychology
Circulation
Circulation: Cardiovascular Genetics
Cleft Palate-Craniofacial Journal
European Journal of Haematology
International Journal of Cancer
Journal of the American Heart Association
Journal of Clinical Medicine
Medicine
Nutrients
Paediatrics and International Child Health
Pain
Pediatric Blood and Cancer
PLoS One
Quality of Life Research

2013 Sickle Cell Advisory Council, Methodist Healthcare

2013 Steering Committee, Shelby County Health Department Community Needs Assessment

2013 Community Health Status Assessment Working Group, Shelby County Health Department Community Needs Assessment

2014 – Present Abstract Reviewer, American Public Health Association Annual Meeting

2012-13, Abstract Reviewer, Society for Epidemiologic Research Annual Meeting

2017-Present Abstract Reviewer, Society for Epidemiologic Research Annual Meeting

2017-8 Abstract Reviewer, American College of Epidemiology Annual Meeting

2019 Film Reviewer, American Public Health Association Annual Meeting

2019-2021 ASPPH Accreditation and Credentialing Advisory Committee

2017-Present ASPPH Academic Affairs Section Representative

2021-Present Systematic Observation of Mask Adherence and Social Distancing (SOMAD) Project

2021 Greater Memphis Chamber Vaccine Symposium Planning Committee and Presenter

2021 Mask Adherence Surveillance at Colleges & Universities Project (MASCUP!)

University of Memphis Service

2013 Research Capacity Assessment Taskforce (People Team and Questionnaire Development)

2013 Research Services Implementation Team

2013 Assistant Professor of Exercise and Sports Science, Faculty Search Committee

2017-2018 Teaching and Learning Advisory Committee

2019-2022 William R. Sparks Eminent Faculty Award Selection Committee

2020 Pandemic Response Committee

2020	Pandemic Planning: Workforce Working Group
2021	Tennessee Council for Graduate Studies Thesis Review Committee
2021	Judge, Student Research Forum
2021-2022	University Council for Graduate Studies
2021-2022	Graduate School Educational Support/Learning Center Taskforce

School of Public Health Service

2010, 2011	Division Director, Epidemiology and Biostatistics, Faculty Search Committee
2011	PhD Epidemiology Admissions Committee
2011, 2012	Associate/Full Professor of Epidemiology, Faculty Search Committee
2011 – 2015	MPH Admissions Committee
2012	Director of Research, Faculty Search Committee
2012 – 2015	School of Public Health Marketing Committee
2013, 2014	Assistant Professor of Biostatistics Faculty, Search Committee
2013 – 2016	MPH Curriculum Committee
2016 – 2017	Chair, PhD Admissions Committee
2018 –2020	Chair, Urban Health MPH Planning Committee
2013 – Present	Chair, Epidemiology, Biostatistics, and Environmental Health Curriculum Committee
2015 – 2021	Public Health Community Scholars Selection Committee
2016 – Present	Chair, MPH Admissions Committee
2016 – Present	PhD Comprehensive Exam Committee
2016 – Present	Chair, MPH Curriculum Committee
2016 – Present	Graduate Studies Committee
2016 – Present	Executive Committee
2018 – Present	BSPH Program Planning Committee
2018 – Present	Committee of Faculty Affairs and Development (COFAD)
2018 – Present	School of Public Health Marketing Committee
2021	LaBonte Scholarship Review Committee
2021 – Present	Chair, Healthy Memphis Common Table Scholarship Committee
2021 – Present	College Director of Graduate Studies
2021 – Present	Chair, Graduate Studies Committee
2021 – Present	Dean of School of Public Health, Search Committee
2022 – Present	Chair, LaBonte Scholarship Review Committee

Professional Society Memberships:

Society for Epidemiologic Research
 American College of Epidemiology
 American Public Health Association

TEACHING

University of Memphis, School of Public Health

Epidemiology in Public Health I	Fall 2011 - 2021
Epidemiology in Public Health I – Online	Fall 2011 - 2015
Masters Project Seminar	Spring 2012, 2014 – 2016
Infectious Disease Epidemiology	Spring 2013 – 2020
Infectious Disease Epidemiology – Online	Spring 2018 – Spring 2022
Epidemics: From the Plague to Ebola	Fall 2016, 2018 Spring 2021 - 2022
Public Health in Popular Culture	Fall 2019 – 2021
Special Topics: Teaching Pedagogy/Practicum	Fall 2021

University of Memphis, Public Health Institute

Introduction to SAS	Fall 2012 Summer 2012, 2014 – 2019
Epidemiology for Non-epidemiologists	Summer 2013
Critically Reading Scientific Literature	Summer 2013

Additional teaching experience

2010 – 2011	Supervised one graduate assistant
2013	Instructor of record for two semesters Special Problems: Applying bias analyses to epidemiologic data for a doctoral student
2013 – Present	Helped write and grade doctoral student comprehensive exams and participated in oral component of exam
2014	Instructor of record for Special Problems: Infectious disease epidemiology for online MPH student
2013-14	Supervised one graduate assistant
2015	Instructor of record for Guided Research: Risk factors for <i>Salmonella Typhimurium</i> infections in TN
2015 – 2021	Guest lecture: “Evaluating journal articles” Doctoral Student Seminar
2018	Guest lecture: “Public Health response following WTC attacks” Public Health Leadership in Emergency Response”
2020	Co-taught Special Problems course in advanced epidemiology readings for three doctoral students
2021	Co-taught Special Problems course for one doctoral student preparing for comprehensive exam

GRANTS AND CONTRACTS

Funded

Health Equity Scholars for Action (PI: Levy) 3/15/2022-3/15/2024
University of Memphis: Eradicating Systemic Racism and Promoting Social Justice through Academic Public Health
Role: Co-Project Director
Source: Robert Wood Johnson Foundation

<p>NU58DD000019-02-01 (PI: Smeltzer/Hankins/Davis/Cooper) Tennessee Sickle Cell Disease Surveillance Program – Optional Component Role: Co-investigator Source: Centers for Disease Control and Prevention</p>	<p>9/30/2021-9/29/2022</p>
<p>NU58DD000019-02-01 (PI: Smeltzer/Hankins/Davis/Cooper) Tennessee Sickle Cell Disease Surveillance Program – CARES Act Supplement Role: Co-investigator Source: Centers for Disease Control and Prevention</p>	<p>9/30/2021-9/29/2022</p>
<p>NH75OT000090 (PI: Levy) COVID-19 Health Disparities in Communities that are at High-Risk and Underserved Role: Co-Investigator Source: Centers for Disease Control and Prevention</p>	<p>6/1/2021-5/31/2023</p>
<p>U01PS005211-01 (PI: Pichon) Minority HIV Research Initiative (MARI) to Support Epidemiologic and Implementation Science Research in Racial/Ethnic Minority Communities Disproportionately Affected by HIV and Build Research Capacity Among Historically Underrepresented Role: Co-Investigator Source: Centers for Disease Control and Prevention</p>	<p>5/1/2021-4/30/2024</p>
<p>NU58DD000019-01-00 (PI: Smeltzer/Hankins/Davis/Cooper) Tennessee Sickle Cell Disease Surveillance Program – Core Component Role: Co-investigator Source: Centers for Disease Control and Prevention</p>	<p>9/30/2020-9/29/2023</p>
<p>City of Memphis (PI: Levy) City of Memphis COVID-19 Masking Observation Project Role: Co-investigator</p>	<p>10/1/2020-12/31/2020</p>
<p>Shelby County Health Department (PI: Levy) Evaluating Public Compliance with COVID-19 Response Directives Role: Co-investigator</p>	<p>12/10/2020-12/30/2020</p>
<p>U01HL133996-01 (PI: J. Hankins) ReHASH: Re-aiming at Hydroxyurea Adherence for Sickle Cell with mHealth Role: Co-investigator Source: NIH/NHLBI</p>	<p>7/1/2016-6/30/2022</p>
<p>Centers for Disease Control and Prevention DD19-1906 (PI: Davis/Hankins/Smeltzer/Cooper) Building Capacity for the Tennessee Sickle Cell Disease Surveillance Program Role: Co-investigator</p>	<p>9/15/2019-9/14/2020</p>
<p>NU65PS923707 (PI: Brantley) Ending the HIV Epidemic in Shelby County, Tennessee: A Strategic and Cooperative Plan</p>	<p>11/1/2019-12/30/2020</p>

Role: Co-investigator
Source: Centers for Disease Control and Prevention

Association of Community Cancer Centers (ACCC) (PI: Smeltzer) 7/1/2017-12/31/2018
Epidemiology, Biostatistics, and Data Coordinating Center
Creating an Optimal Care Coordination Model for Lung Cancer Patients on Medicaid
Role: Co-Investigator

University of Tennessee HSC (PI: Gurney) 9/1/2015-6/30/2018
Biostatistics, Epidemiology and Research Design (BERD) Unit
Role: Co-Investigator

Common Table Health Alliance (PI: Nolan) 7/1/2015-6/30/2016
Healthy Shelby Hypertension Registry
Role: Principal Investigator
Total Amount: \$6,126

Methodist Healthcare Foundation (PI: Nolan) 10/1/2014-6/30/15
Efficacy of the Comprehensive Sickle Cell Center at Methodist University Hospital
Role: Principal Investigator
Total amount: \$16,698

Baptist Foundation (PI: Nolan) 5/1/2013-9/30/2014
Sickle cell campaign
Role: Principal Investigator
Total amount: \$89,894

T32 HL07501 (PI: Lerner) 9/1/2004-8/31/2006
Research training in blood diseases and resources
Role: Pre-doctoral Fellow
Source: NIH/NHLBI

Submitted (Not funded)

PAR-19-328 (PI: Ataga) 4/1/2022-3/31/2027
Effect of Low Fixed-Dose Hydroxyurea versus Hydroxyurea Escalated to Maximum Tolerated Dose for Sickle Cell
Disease-Related Kidney Disease in Sub-Saharan Africa (ARIES)
Role: Co-investigator
Source: NIH

R01 DK127109-01 (PI: Ataga/Adu/Derebail)
Moderate, Fixed-Dose Hydroxyurea vs. Hydroxyurea Titrated to Maximum Tolerated
Dose for Sickle Cell Disease-Related Glomerulopathy in Sub-Saharan Africa (ODYSSEY)
Role: Co-Investigator
Source: NIH/NHLBI

Department of Defense
Does Mild or Moderate Traumatic Brain Injury Increase Early-Onset Dementia Risk?
Role: Site Principal Investigator
Total amount: \$46,294 (subaward)

NIH R01
Midlife Sequelae of Concussion
Role: Site Principal Investigator
Total amount: \$98,006 (subaward)

US Department of Veterans Affairs
Midlife Sequelae of Concussion
Role: Co-investigator

NIH NCATS via University of Tennessee HSC
iRISE - Institute for Research, Innovation, Synergy, and Health Equity – CTSA proposal
Role: Co-Investigator

PCORI via St. Jude Children's Research Hospital
Pediatric-adult Overlap Care for Transitioning Young Adults with Sickle Cell Disease
Role: Site Principal Investigator
\$107,142 (subaward)

NIH R21
Obesity disparities in young adults: A multi-ethnic/racial explanatory approach
Role: Co-Investigator

NIH/NCI R03
Case-only study of interactions between genetic polymorphisms and nutrient intake and cardiovascular disease among survivors of childhood cancer
Role: Principal Investigator
Total amount: \$116,429

American Institute for Cancer Research (AICR)
Case-only study of the interaction between genetic polymorphisms and nutrient intake and the occurrence of CVD among childhood cancer survivors
Role: Principal Investigator
Total amount: \$136,364

University of Memphis
Neurocognitive outcomes among preterm infants that received parenteral nutrition
Role: Principal Investigator
Total amount: \$6,000

University of Memphis
Prevalence of zinc deficiency and zinc intake among children with sickle cell anemia
Role: Principal Investigator
Total amount: \$6,000

PUBLICATIONS

* Indicates student author

1. Kramer R, Hayes R, **Nolan V**, Cotenoff C, Daley WR, Rubin C, Henderson A, Flanders WD, Smith N. Community needs assessment of lower Manhattan residents following the World Trade Center Attacks -- Manhattan, New York City, 2001. *MMWR* 2002;51:3.
2. Wyszynski DF, **Nolan VG**. Feasibility of identifying families for genetic studies of birth defects using the National Health Interview Survey. *BMC Public Health* 2004;4:16.
3. Wyszynski DF, Baldwin CT, Cleves MA, Amirault Y, **Nolan VG**, Farrell JJ, Bisbee A, Kutlar A, Farrer LA, Steinberg MH. Polymorphisms near a chromosome 6q QTL area are associated with modulation of fetal hemoglobin levels in sickle cell anemia. *Cell Mol Biol (Noisy-le-grand)* 2004;50:23-33.
4. Saleh M, Vaillancourt JP, Graham RK, Huyck M, Srinivasula SM, Alnemri ES, Steinberg MH, **Nolan V**, Baldwin CT, Hotchkiss RS, Buchman TG, Zehnbauser BA, Hayden MR, Farrer LA, Roy S, Nicholson DW. Differential modulation of endotoxin responsiveness by human caspase-12 polymorphisms. *Nature* 2004;429:75-9.
5. Wyszynski DF, Waterworth DM, Barter PJ, Cohen J, Kesaniemi YA, Mahley RW, McPherson R, Waeber G, Bersot TP, Sharma SS, **Nolan V**, Middleton LT, Sundseth SS, Farrer LA, Mooser V, Grundy SM. Relation between atherogenic dyslipidemia and the Adult Treatment Program-III definition of metabolic syndrome (Genetic Epidemiology of Metabolic Syndrome Project). *Am J Cardiol* 2005;95:194-8.
6. Sebastiani P, Ramoni MF, **Nolan V**, Baldwin CT, Steinberg MH. Genetic dissection and prognostic modeling of overt stroke in sickle cell anemia. *Nat Genet* 2005;37:435-40.
7. **Nolan VG**, Wyszynski DF, Farrer LA, Steinberg MH. Hemolysis-associated priapism in sickle cell disease. *Blood* 2005;106:3264-7.
8. **Nolan VG**, Baldwin C, Ma Q, Wyszynski DF, Amirault Y, Farrell JJ, Bisbee A, Embury SH, Farrer LA, Steinberg MH. Association of single nucleotide polymorphisms in klotho with priapism in sickle cell anaemia. *Br J Haematol* 2005;128:266-72.
9. Baldwin C, **Nolan VG**, Wyszynski DF, Ma QL, Sebastiani P, Embury SH, Bisbee A, Farrell J, Farrer L, Steinberg MH. Association of klotho, bone morphogenic protein 6, and annexin A2 polymorphisms with sickle cell osteonecrosis. *Blood* 2005;106:372-5.
10. Terry DF, Wyszynski DF, **Nolan VG**, Atzmon G, Schoenhofen EA, Pennington JY, Andersen SL, Wilcox MA, Farrer LA, Barzilai N, Baldwin CT, Asea A. Serum heat shock protein 70 level as a biomarker of exceptional longevity. *Mech Ageing Dev* 2006;127:862-8.
11. **Nolan VG**, Adewoye A, Baldwin C, Wang L, Ma Q, Wyszynski DF, Farrell JJ, Sebastiani P, Farrer LA, Steinberg MH. Sickle cell leg ulcers: associations with haemolysis and SNPs in Klotho, TEK and genes of the TGF-beta/BMP pathway. *Br J Haematol* 2006;133:570-8.
12. Klings ES, Wyszynski DF, **Nolan VG**, Steinberg MH. Abnormal pulmonary function in adults with sickle cell anemia. *Am J Respir Crit Care Med* 2006;173:1264-9.

13. Adewoye AH, **Nolan VG**, Ma Q, Baldwin C, Wyszynski DF, Farrell JJ, Farrer LA, Steinberg MH. Association of polymorphisms of IGF1R and genes in the transforming growth factor- beta /bone morphogenetic protein pathway with bacteremia in sickle cell anemia. *Clin Infect Dis* 2006;43:593-8.
14. Sebastiani P, **Nolan VG**, Baldwin CT, Abad-Grau MM, Wang L, Adewoye AH, McMahon LC, Farrer LA, Taylor JGt, Kato GJ, Gladwin MT, Steinberg MH. A network model to predict the risk of death in sickle cell disease. *Blood* 2007;110:2727-35.
15. **Nolan VG**, Ma Q, Cohen HT, Adewoye A, Rybicki AC, Baldwin C, Mahabir RN, Homan EP, Wyszynski DF, Fabry ME, Nagel RL, Farrer LA, Steinberg MH. Estimated glomerular filtration rate in sickle cell anemia is associated with polymorphisms of bone morphogenetic protein receptor 1B. *Am J Hematol* 2007;82:179-84.
16. Adewoye AH, **Nolan V**, McMahon L, Ma Q, Steinberg MH. Effectiveness of a dedicated day hospital for management of acute sickle cell pain. *Haematologica* 2007;92:854-5.
17. Terry DF, **Nolan VG**, Andersen SL, Perls TT, Cawthon R. Association of longer telomeres with better health in centenarians. *J Gerontol A Biol Sci Med Sci* 2008;63:809-12.
18. Taylor JG, **Nolan VG**, Mendelsohn L, Kato GJ, Gladwin MT, Steinberg MH. Chronic hyper-hemolysis in sickle cell anemia: association of vascular complications and mortality with less frequent vasoocclusive pain. *PLoS One* 2008;3:e2095.
19. Sebastiani P, Wang L, **Nolan VG**, Melista E, Ma Q, Baldwin CT, Steinberg MH. Fetal hemoglobin in sickle cell anemia: Bayesian modeling of genetic associations. *Am J Hematol* 2008;83:189-95.
20. **Nolan VG**, Zhang Y, Lash T, Sebastiani P, Steinberg MH. Association between wind speed and the occurrence of sickle cell acute painful episodes: results of a case-crossover study. *Br J Haematol* 2008;143:433-8.
21. Adams ER, **Nolan VG**, Andersen SL, Perls TT, Terry DF. Centenarian offspring: start healthier and stay healthier. *J Am Geriatr Soc* 2008;56:2089-92.
22. Ness KK, Morris EB, **Nolan VG**, Howell CR, Gilchrist LS, Stovall M, Cox CL, Klosky JL, Gajjar A, Neglia JP. Physical performance limitations among adult survivors of childhood brain tumors. *Cancer* 2010;116:3034-44.
23. Hudson MM, Ness KK, **Nolan VG**, Armstrong GT, Green DM, Morris EB, Spunt SL, Metzger ML, Krull KR, Klosky JL, Srivastava DK, Robison LL. Prospective medical assessment of adults surviving childhood cancer: study design, cohort characteristics, and feasibility of the St. Jude Lifetime Cohort study. *Pediatr Blood Cancer* 2011;56:825-36.
24. Green DM, **Nolan VG**, Kawashima T, Stovall M, Donaldson SS, Srivastava D, Leisenring W, Robison LL, Sklar CA. Decreased fertility among female childhood cancer survivors who received 22-27 Gy hypothalamic/pituitary irradiation: a report from the Childhood Cancer Survivor Study. *Fertil Steril* 2011;95:1922-7, 7 e1.
25. Smith WA, **Nolan VG**, Robison LL, Hudson MM, Ness KK. Physical activity among cancer survivors and those with no history of cancer- a report from the National Health and Nutrition Examination Survey 2003-2006. *Am J Transl Res* 2011;3:342-50.

26. Joyce ED, **Nolan VG**, Ness KK, Ferry RJ, Jr., Robison LL, Pui CH, Hudson MM, Kaste SC. Association of muscle strength and bone mineral density in adult survivors of childhood acute lymphoblastic leukemia. *Arch Phys Med Rehabil* 2011;92:873-9.
27. 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. *Pediatr Blood Cancer* 2012;59:126-32.
28. Green DM, Cox CL, Zhu L, Krull KR, Srivastava DK, Stovall M, **Nolan VG**, Ness KK, Donaldson SS, Oeffinger KC, Meacham LR, Sklar CA, Armstrong GT, Robison LL. Risk factors for obesity in adult survivors of childhood cancer: a report from the Childhood Cancer Survivor Study. *J Clin Oncol* 2012;30:246-55.
29. **Nolan VG**, Gapstur R, Gross CR, Desain LA, Neglia JP, Gajjar A, Klosky JL, Merchant TE, Stovall M, Ness KK. Sleep disturbances in adult survivors of childhood brain tumors. *Qual Life Res* 2013;22:781-9.
30. Pourcyrous M, **Nolan VG**, Goodwin A, Davis SL, Buddington RK. Fecal short-chain fatty acids of very-low-birth-weight preterm infants fed expressed breast milk or formula. *J Pediatr Gastroenterol Nutr* 2014;59:725-31.
31. **Nolan VG**, Krull KR, Gurney JG, Leisenring W, Robison LL, Ness KK. Predictors of future health-related quality of life in survivors of adolescent cancer. *Pediatr Blood Cancer* 2014;61:1891-4.
32. Kirby J*, Dolendo M, Guimera D, Castillo C, Johnson KM, Mzayek F, **Nolan VG**, Relyea G, Caniza MA. Predictors of wait-time for antibiotic initiation and association of wait-time with hospital length of stay and ICU admission among children with cancer at the Southern Philippines Medical Center. *Pediatr Blood Cancer* 2014;61:680-6.
33. Guthikonda K*, Zhang H, **Nolan VG**, Soto-Ramirez N, Ziyab AH, Ewart S, Arshad HS, Patil V, Holloway JW, Lockett GA, Karmaus W. Oral contraceptives modify the effect of GATA3 polymorphisms on the risk of asthma at the age of 18 years via DNA methylation. *Clin Epigenetics* 2014;6:17.
34. Green DM, **Nolan VG**, Goodman PJ, Whitton JA, Srivastava D, Leisenring WM, Neglia JP, Sklar CA, Kaste SC, Hudson MM, Diller LR, Stovall M, Donaldson SS, Robison LL. The cyclophosphamide equivalent dose as an approach for quantifying alkylating agent exposure: a report from the Childhood Cancer Survivor Study. *Pediatr Blood Cancer* 2014;61:53-67.
35. Cox CL, **Nolan VG**, Leisenring W, Yasui Y, Ogg SW, Mertens AC, Neglia JP, Ness KK, Armstrong GT, Robison LL. Noncancer-related mortality risks in adult survivors of pediatric malignancies: the childhood cancer survivor study. *J Cancer Surviv* 2014;8:460-71.
36. Belfer I, Youngblood V, Darbari DS, Wang Z, Diaw L, Freeman L, Desai K, Dizon M, Allen D, Cunningham C, Channon KM, Milton J, Hartley SW, **Nolan V**, Kato GJ, Steinberg MH, Goldman D, Taylor JGt. A GCH1 haplotype confers sex-specific susceptibility to pain crises and altered endothelial function in adults with sickle cell anemia. *Am J Hematol* 2014;89:187-93.
37. **Nolan VG**, Nottage KA, Cole EW*, Hankins JS, Gurney JG. Prevalence of vitamin D deficiency in sickle cell disease: a systematic review. *PLoS One* 2015;10:e0119908.

38. Smeltzer MP*, **Nolan VG**, Yu X, Nottage KA, Wang WC, Hankins JS, Gurney JG. Distance from an Urban Sickle Cell Center and its Effects on Routine Healthcare Management and Rates of Hospitalization. *Hemoglobin* 2016;40:10-5.
39. Smeltzer MP*, **Nolan VG**, Yu X, Nottage KA, Davis BA, Yang Y, Wang WC, Gurney JG, Hankins JS. Birth Prevalence of Sickle Cell Trait and Sickle Cell Disease in Shelby County, TN. *Pediatr Blood Cancer* 2016;63:1054-9.
40. Berding K, Makarem P, Hance B, Axel AM, **Nolan V**, Buddington KK, Buddington RK. Responses of Preterm Pigs to an Oral Fluid Supplement During Parenteral Nutrition. *JPEN J Parenter Enteral Nutr* 2016;40:934-43.
41. Zachry AH, **Nolan VG**, Hand SB*, Klemm SA. Infant Positioning, Baby Gear Use, and Cranial Asymmetry. *Matern Child Health J* 2017;21:2229-36.
42. Olinger CR, Carver DC, **Nolan VG**, Weinlein JC. The Effect of Under-Dosing Prophylactic Antibiotics in the Care of Open Tibial Fractures. *J Orthop Trauma* 2018;32:322-6.
43. **Nolan VG**, Arnold SR, Bramley AM, Ampofo K, Williams DJ, Grijalva CG, Self WH, Anderson EJ, Wunderink RG, Edwards KM, Pavia AT, Jain S, McCullers JA. Etiology and Impact of Coinfections in Children Hospitalized With Community-Acquired Pneumonia. *J Infect Dis* 2018;218:179-88.
44. **Nolan VG**, Anderson SM, Smeltzer MP, Porter JS, Carroll YM, Brooks IM, Elmagboul N, Gurney JG, Hankins JS. Pediatric to adult care co-location transitional model for youth with sickle cell disease. *Am J Hematol* 2018;93:E30-E2.
45. Liu W*, Cheung YT, Conklin HM, Jacola LM, Srivastava D, **Nolan VG**, Zhang H, Gurney JG, Huang IC, Robison LL, Pui CH, Hudson MM, Krull KR. Evolution of neurocognitive function in long-term survivors of childhood acute lymphoblastic leukemia treated with chemotherapy only. *J Cancer Surviv* 2018;12:398-406.
46. Liu W*, Cheung YT, Brinkman TM, Banerjee P, Srivastava D, **Nolan VG**, Zhang H, Gurney JG, Pui CH, Robison LL, Hudson MM, Krull KR. Behavioral symptoms and psychiatric disorders in child and adolescent long-term survivors of childhood acute lymphoblastic leukemia treated with chemotherapy only. *Psychooncology* 2018;27:1597-607.
47. Amoah DK*, **Nolan V**, Relyea G, Gurney JG, Yu X, Tylavsky FA, Mzayek F. Factors associated with residential mobility during pregnancy. *Women Health* 2018;58:955-66.
48. Agarwal MA, Shah M, Patel B, **Nolan VG**, Reed GL, Oudiz RJ, Choudhary G, Maron BA. Association between Pulmonary Hypertension and Clinical Outcomes in Hospitalized Patients with Sickle Cell Disease. *Am J Respir Crit Care Med* 2018;198:534-7.
49. Mukherjee N*, **Nolan VG**, Dunn JR, Banerjee P. Sources of human infection by *Salmonella enterica* serotype Javiana: A systematic review. *PLoS One* 2019;14:e0222108.
50. McCullar B, Waters B, Phillips J, Appelbaum A, Archie D, **Nolan V**, Weir A. Liver Imaging Reporting and Data System in Patients at High Risk for Hepatocellular Carcinoma in the Memphis Veterans Affairs Population. *Fed Pract* 2019;36:S47-S52.

51. Hartline J, **Nolan V**, Kelly DM, Sheffer BW, Spence DD, Pereiras L, Warner WC, Jr., Sawyer JR. Operating Room Personnel Determine Efficiency of Pediatric Spinal Fusions for Scoliosis. *Spine Deform* 2019;7:702-8.
52. Borja-Hart N, Graff JC, **Nolan VG**, Wang J, Cooper-DeHoff RM, Ancheta IB. Atherosclerotic cardiovascular disease risk assessment and predictors of statin use in Filipino-American Women. *J Clin Pharm Ther* 2019;44:632-9.
53. Mukherjee N*, **Nolan VG**, Dunn JR, Banerjee P. Exposures Associated with Non-Typhoidal Salmonella Infections Caused by Newport, Javiana, and Mississippi Serotypes in Tennessee, 2013-2015: A Case-Case Analysis. *Pathogens* 2020;9.
54. Williams HE*, Howell CR, Chemaitilly W, Wilson CL, Karol SE, **Nolan VG**, Smeltzer MP, Green DM, Ehrhardt MJ, Mulrooney DA, Pui CH, Hudson MM, Robison LL, Ness KK. Diabetes mellitus among adult survivors of childhood acute lymphoblastic leukemia: A report from the St. Jude Lifetime Cohort Study. *Cancer* 2020;126:870-8.
55. Qureshi AH, Liang D, Canas J, Hooks J, Arrregui SW, Saxena V, Rooney R, **Nolan V**, Schwaderer AL, Hains DS. DCHS1 DNA copy number loss associated with pediatric urinary tract infection risk. *Innate Immun* 2020;26:473-81.
56. Martin BD, Kelly DM, **Nolan VG**, Matthews A, Flournory J, Kim HKW. Does participation in a multicenter study group affect physician treatment preference? A survey of participants. *Curr Orthop Pract* 2020;31:565-70.
57. Mitchel A, Stevens W*, **Nolan VG**. Do beliefs about knowledge explain occupational therapy students' critical thinking? A longitudinal study. *Journal of Occupational Therapy* 2020;4.
58. Mathias JG*, **Nolan VG**, Meadows-Taylor M*, Robinson LA*, Howell KA*, Gurney JG, Hankins JS, Wang WC, Estep JH, Smeltzer MP. A meta-analysis of toxicities related to hydroxycarbamide dosing strategies. *eJHaem* 2020:1-4.
59. Sheffer BW, Kelly DM, Spence DD, Walker KL, Westbrooks TJ, Palm PH, **Nolan VG**, Sawyer JR. Can Pediatric Orthopaedic Surgery be Done Safely in a Freestanding Ambulatory Surgery Center? Review of 3780 Cases. *J Pediatr Orthop* 2021;41:e85-e9.
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NON-REFEREED PUBLICATIONS

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3. Hartline JT, **Nolan VG**, Kelly DM, Sheffer BW, Spence DS, Perelras L, Warner WC, Jr, Sawyer JR. Patient and Procedural Factors Predict Operating Room Time Intervals in Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis: A Retrospective Cohort study. *Campbell Orthopaedic Journal*. 7th Edition. May 2021. pp 71-76. https://issuu.com/campbellfoundation/docs/coj-vol7-2021_revised

MANUSCRIPTS ACCEPTED/UNDER REVIEW

1. Gaps during Pediatric-to-Adult Care Transfer and Healthcare Utilization in Sickle Cell Disease. Howell KE*, Kayle M, Smeltzer MP, **Nolan VG**, Gurney JG, Mathias JG, Porter JS, Nelson M, Anderson S, Shah N, Hankins JS. *Pediatrics*. [Under Review]
2. Wogksch MD*, Finch ER, **Nolan VG**, Smeltzer MP, Mzayek F, Pui C, Inaba H, Mulrooney DA, Kaste SC, Brinkman TM, Lanctot JQ, Srivastava DK, Jefferies SJL, Armstrong, GT, Robison LL, Hudson MM, Ness KK. Energy cost of walking in obese survivors of acute lymphoblastic leukemia: a report from the St. Jude Lifetime cohort. *Blood* [Under Review]
3. Inoa V, Dornbros D, DiNitto J, Martineu D, Sullivan J, Angel J, **Nolan VG**, Arthur AS, Hoit D, Nickle C, Goyal N, Elijevich L. Dyna CT Effectively Evaluates the Presence of Intracranial Hemorrhage Immediately following Mechanical Thrombectomy. *J of Neurointerv Surg* [Under Review]
4. Tweedie, JL, Garcia AEF, **Nolan VG**, Gomez O, Donohoe D, Johnson JG. *Campylobacter* infection of young children in Colombia and its impact on the gastrointestinal tract environment. *PLOS Neglected Tropical Diseases* [Under Review]
5. Kiene A, Morelli A, McCoy E, Joshi V, Yohannan T, Naik R, **Nolan VG**, Paudel G. Feasibility and effectiveness of the machine-based built-in protocol for the echocardiographic evaluation of the patients with heart failure and/or cardiomyopathy. *J Am Soc Echocardiogr* [Under Review]
6. Puttock, EG, Marquez J, Young DR, Shirley AM, Han B, McKenzie TL, Smith NJ, Manuel K, Hoelscher D, Spear S, Ruiz M, Smith C, Krytus K, Martinez I, So H, Levy M, **Nolan V**, Bagley E, Mehmood A, Thomes JG, Apedaile L, Ison S, Barr-Anderson DJ, Heller JG, Cohen DA. Association of Masking Policies with Mask Adherence and Distancing during the SARS-COV-2 Pandemic. *Am J Prev Med* [Under Review]

7. Plaxco A*, Kmet J, **Nolan VG**, Taylor M, Smeltzer MP. Real-world association between mRNA vaccination and infection from the Omicron strain of SARS-CoV-2: A population-level analysis. *Am J Prev Med* [Under Review]

IN PROGRESS

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9. Plaxco A*, Kmet J, **Nolan VG**, Taylor M, Smeltzer MP. Real-world impact of mRNA vaccination against the Delta variant of SARS-CoV-2: A population-level analysis.

PRESENTATIONS

1. **Nolan VG**, Baldwin C, Wyszynski DF, Amirault Y, Farrell J, Bisbee A, Gavras H, Gallagher D, Farrer L, Steinberg M. "Association of polymorphisms in genes affecting vascular function with sickle cell avascular necrosis" Presented at 27th annual meeting of the National Sickle Cell Program in Los Angeles, CA, April 2004
2. **Nolan VG**, Sebastiani P, Baldwin CT, Wyszynski DF, Ma Q, Farrell JJ, Bisbee A, Sebastiani P, Farrer LA, Steinberg MH. "Modeling Genetic polymorphisms and Sickle Cell Associated Vasoocclusive Events Using Classification and Regression Trees" Presented at the 28th annual meeting of the National Sickle Cell Program in Covington, KY, April 2005
3. **Nolan VG**, Adewoye AH, Baldwin CT, Wyszynski DF, Ma Q, Farrell JJ, Bisbee A, Sebastiani P, Farrer LA, Steinberg MH, "Association of Polymorphisms of Insulin-like Growth Factor 1 Receptor (IGF1R) with Sickle Cell Bacteremia" Presented at the 29th annual meeting of the National Sickle Cell Program in Memphis, TN April 2006
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THESIS AND DISSERTATION COMMITTEES

- | | |
|------|---|
| 2012 | Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health,
University of Memphis
Thesis Committee Chair
Student: Jeannette Kirby
Title: Predictors of wait-time for antibiotic initiation and its association with length of hospital stay and ICU-admission among children with cancer at the Southern Philippine Medical Center |
| 2013 | Department of Electrical and Computer Engineering, Herff College of Engineering,
University of Memphis
Dissertation Committee Member
Student: Vida Abedi
Title: ARIANA: Adaptive robust and integrative analysis for finding novel associations |
| 2014 | Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health,
University of Memphis
Thesis Committee Member
Student: Pei-Lin Chen
Title: Association between infant feeding modes and reflux |
| 2014 | Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health,
University of Memphis
Thesis Committee Member
Student: Kranthi Guthikonda
Title: Oral contraceptives modify the effect of GATA3 polymorphisms on the risk of asthma at age 18 years via DNA methylation |

- 2014 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health, University of Memphis
Dissertation Committee Chair
Student: Matthew Smeltzer
Title: An epidemiologic evaluation of sickle cell disease in the United States: Birth Prevalence, distance as a barrier to care, and potential bias in a clinical trial of hydroxyurea
- 2014 Division of Social and Behavioral Sciences, School of Public Health, University of Memphis
Dissertation Committee Member
Student: Ronald Dallas
Title: Post-transition outcomes from pediatric to adult health care among young people living with human immunodeficiency virus (HIV)
- 2015 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health, University of Memphis
Dissertation Committee Member
Student: Ransome Eke
Title: Depression and benign prostatic hyperplasia in elderly male Medicare beneficiaries
- 2016 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health, University of Memphis
Dissertation Committee Member
Student: Pradeep Podila
Title: Exploring opportunities towards reducing unplanned hospital readmissions in Memphis
- 2017 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health, University of Memphis
Dissertation Committee Member
Student: Doris Amoah
Title: Association of residential mobility during pregnancy with birth outcomes and postpartum depression
- 2017 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health, University of Memphis
Thesis Committee Chair
Student: Predictors of high allostatic load in the diverse, urban population of New York City
Title: Lisa Wang
- 2017 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health, University of Memphis
Thesis Committee Chair
Student: Hannah Williams
Title: Diabetes among adult survivors of childhood acute lymphoblastic leukemia

- 2017 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health,
University of Memphis
Thesis Committee Chair
Student: Lisa VanHouwelingen
Title: Neutropenia at the time of subcutaneous port insertion may not be a risk factor for early infectious complications in pediatric oncology patients
- 2017 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health,
University of Memphis
Thesis Committee Member
Student: Victoria Liddle
Title: Harboring TP53 germline mutation: Assessing clinical outcomes in patients with hypodiploid acute lymphoblastic leukemia
- 2017 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health,
University of Memphis
Dissertation Committee Member
Student: Cori Grant
Title: Factors associated with the need for hospitalization, length of stay, and parental consent to participate in research among children with community acquired pneumonia
- 2017 School of Communication Sciences and Disorders, University of Memphis
Comprehensive Exam Committee/Dissertation Committee Member
Student: Johnnie Bass
Title: Auditory function in patients who received cranial radiation therapy for childhood cancer
- 2018 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health,
University of Memphis
Dissertation Committee Chair
Student: Lauren Sims
Title: Do early childhood body mass index trajectories affect school readiness, socioemotional development, or cognition? Findings from the CANDLE study
- 2018 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health,
University of Memphis
Dissertation Committee Co-Chair
Student: Nabanita Mukherjee
Title: Source attribution, antibiotic resistance and virulence properties of Salmonella serotypes isolated from clinically diagnosed human salmonellosis cases from Tennessee
- 2019 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health,
University of Memphis
Dissertation Committee Co-Chair
Student: Joacy Gerard Mathias
Title: Hydroxyurea Effectiveness and Health-Care Utilization in Tennessee Medicaid Population and a Meta-Analysis of Toxicities Related to Hydroxyurea Dosing

- 2020 Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health,
University of Memphis
Dissertation Committee Member
Student: Kristen Howell
Title: Health care transition: How reduced mortality, interruption of care, and continuity of care
can affect health care transition programs among young adults with sickle cell disease
- In Progress Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health,
University of Memphis
Dissertation Committee Chair
Student: Matthew Wogksch
Title: The association between physical fitness, chronic disease, and mortality in childhood
cancer survivors: A report from the St. Jude Lifetime cohort
- In Progress Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health,
University of Memphis
Dissertation Committee Chair
Student: L Ashley Robinson
Title: The current state of healthcare in the United States: Barriers to healthcare, quality of care,
and self-reported health