

CURRICULUM VITAE

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EDUCATION AND TRAINING

Undergraduate

1984-88	Duquesne University Pittsburgh, PA	B.A. (Cum Laude), 1988	Mathematics
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Graduate

1988-90	University of Pittsburgh Pittsburgh, PA	M.A., 1990	Applied Statistics
1990-96	University of Pittsburgh Pittsburgh, PA	Ph.D., 1996	Biostatistics

APPOINTMENTS AND POSITIONS

Academic

1988-90	Teaching Assistant	Department of Mathematics, University of Pittsburgh
1990-96	Graduate Student Researcher	Department of Biostatistics, Graduate School of Public Health, University of Pittsburgh
1996-02	Research Associate	Department of Biostatistics, Graduate School of Public Health, University of Pittsburgh
2002-2010	Research Assistant Professor	Department of Biostatistics, Graduate School of Public Health, University of Pittsburgh
2008-2012	Deputy Director, Biostatistics	Center for Occupational Biostatistics and Epidemiology, Department of Biostatistics, Graduate School of Public Health, University of Pittsburgh

2010-2014	Assistant Professor	Department of Biostatistics, Graduate School of Public Health, University of Pittsburgh
2011-2014	Assistant Professor	Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh
2011-2014	Assistant Professor	Clinical and Translational Science Institute, University of Pittsburgh
2011-date	Affiliate Investigator/Senior Biostatistician	Center for Health Equity Research and Promotion, VA Pittsburgh Healthcare System
2012-date	Director	MS/MPH Program, Department of Biostatistics, University of Pittsburgh
2015-date	Associate Professor	Department of Biostatistics, Graduate School of Public Health, University of Pittsburgh
2015-date	Associate Professor	Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh
2015-date	Associate Professor	Clinical and Translational Science Institute, University of Pittsburgh

MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

1995-date	Biometric Society (ENAR)
1996-date	American Statistical Association (ASA)
2010-date	Society for Epidemiological Research (SER)
2017-date	American Association for the Advancement of Science (AAAS)

HONORS

1986	Phi Eta Sigma National Honor Society
1988	B.A., Cum Laude
1988	National Collegiate Mathematics Award

1988	Who's Who Among American Colleges and Universities
1984-88	Partial Competitive Scholarship, Duquesne University
1988-90	Full Tuition Scholarship & Assistantship, Department of Mathematics, University of Pittsburgh
1990-96	Full Tuition Scholarship & Assistantship, Department of Biostatistics, University of Pittsburgh
1997	Delta Omega National Honor Society in Public Health
1997	Student of the Year, American Statistical Society, Pittsburgh Chapter
2006	University of Pittsburgh Innovator Award
2007	Who's Who Among American Educators
2009	University of Pittsburgh Innovator Award
2010	University of Pittsburgh, GSPH Certificate in Teaching Excellence for Online Course Development and Teaching
2010	University of Pittsburgh, GSPH Certificate in Teaching Excellence for Principles of Good Practice and Teaching
2013	Performance Award, Center for Health Equity Research & Promotion, Veteran's Research Foundation of Pittsburgh
2014	Outstanding Reviewer, Substance Abuse Journal
2015	University of Pittsburgh, GSPH, Craig Teaching Award Nominee
2017	University of Pittsburgh, GSPH, Alumni Teaching and Dissemination Award Nominee
2018	Elected Member, International Statistical Institute

2018 Veteran's Administration Pittsburgh
Healthcare System, STAR Award

2019 ASA, Teaching in the Health Sciences
Section, Outstanding Teacher Award
Nominee

PROFESSIONAL ACTIVITIES

1. Teaching

a. Courses Taught

Years Taught	Course Number: Title	Hours of Lecture, credits Average Enrollment	Role in course Primary/Coordinator
Summer 1989	Math 0120: Business Calculus	3 hrs/wk, 3 cr., 10-15 students	Primary Instructor
Summer 1989	Math 7010: Algebra I	1 hr/wk, 1 cr., 20-30 students	Primary Instructor
Summer 1990	Math 7010: Algebra I	1 hr/wk, 1 cr., 20-30 students	Primary Instructor
Summer 1990	Math 7020: Algebra II	1 hr/wk, 1 cr., 20-30 students	Primary Instructor
Fall 1997	BIOS 2011: Principles of Statistical Reasoning	45 min/wk, 2 cr., 20-30 students	Co-Instructor
Fall 1998-2010	BIOS 2081: Mathematical Methods for Statistics	3 hrs/wk, 3 cr., 10-20 students	Primary Instructor
Spring 1998	HSA 3002: Health Survey Methods	45 min/wk, 2 cr., 20-30 students	Co-Instructor
Fall 2000	BIOS 2043: Introduction to the Theory of Statistics I	6 hrs/term, 3 cr., 6-10 students	Co-Instructor
Summer 2001-05 Spring 2007-11 Spring 2013-14 Spring 2016-date	BIOS 2049: Applied Regression Analysis	3 hrs/wk, 3 cr., 40-80 students	Course Designer/Primary Instructor

Years Taught	Course Number: Title	Hours of Lecture, credits Average Enrollment	Role in course Primary/Coordinator
Fall 2010-date Spring 2011	BIOS 2058: Scientific Communication Skills	2 hrs/wk, 2 cr., 7-10 students	Co-Course Designer/Co-Instructor
Spring 2011	BIOS 2086: Applied Mixed Models	3 hrs/wk, 3cr.,30 students	Co-Instructor
Spring 2012	BIOS 2086: Applied Mixed Models	3 hrs/wk, 3cr.,18-25 students	Primary Instructor
Spring 2015	BIOS 2086: Applied Mixed Models	3 hrs/wk, 3cr., 14 students	Primary Instructor
Fall 2011, 2015-date	BIOS 2081: Mathematical Methods for Statistics	3 hrs/wk, 3 cr., 10-20 students	Faculty Mentor
Fall 2015	BIOS 2011: Principles of Statistical Reasoning	3 hrs/wk, 3 cr., 80-90 students	Primary Instructor
Spring 2017	BIOS 2011: Principles of Statistical Reasoning	3 hrs/wk, 3 cr., 80-90 students	Faculty Mentor
Spring 2020	BIOS 2099: Biostatistics Capstone	2 hrs/wek, 2cr., 5-10 students	Course Designer, Course Director and Co-Instructor

b. Other Teaching (lectures, tutorials and continuing education courses)

Date(s)	Type of Teaching	Title
Fall 1996	Several lectures	BIOS 2011: Principles of Statistical Reasoning
Fall 1998	Several lectures	BIOS 2011: Principles of Statistical Reasoning
Spring 1999	Several lectures	HSA 3002: Health Survey Methods
Summer 2000-2008 Fall 2010	Lecture	EPID 2220: Environmental Epidemiology

Date(s)	Type of Teaching	Title
Fall 2000	Several lectures	BIOS 2011: Principles of Statistical Reasoning
Spring 2004	Several lectures	BIOS 2048: Occupational Biostatistics
Fall 2004	Several lectures	STAT 1100: Business Statistics
Summer 1997, 1999, 2005 Fall 2005, 2006	Training seminar	OCMAP-Plus for Windows
Spring 2010	Several lectures	BIOS 2042: Introduction to Statistical Methods 2
Fall 2011, 2012	Several lectures	BIOS 2046 – Analysis of Cohort Studies
Summer 2011, 2012, 2013	Several lectures	Summer Institute of Biostatistics – Pittsburgh
Spring 2018	Guest lecture	BIOS 2011: Principles of Statistical Reasoning
Spring 2020 Cancelled due to COVID-19	Pittsburgh Regional Faculty Symposium Workshop	Using competency- based grading systems to improve student mastery

c. Major Advisor for Graduate Student Essays, Theses, and Dissertations

Name of Student	Degree Awarded, Year	Type of Document and Title	Notes
Amie Sagady	MS BIOS, 2005	An Analytical Approach Comparing Repeated Measures Analysis of Variance and Mixed Models in a Double Blind Placebo Controlled Clinical Trial	
Kang Sun	MS BIOS, 2005	Positive Aspects of Alzheimer’s Caregiving: The Role of Ethnicity	

Name of Student	Degree Awarded, Year	Type of Document and Title	Notes
Solomon Quaynor	MS BIOS, 2007	Assortative Mating as a Stratification Problem in Genetic Association Studies	Co-Advisor
Darren Lui	MS BIOS 2008	The Role of Using IT Features in Nursing Home MDS Systems an Analytical Approach of Mediation and Moderation	
Nora Watson	MS BIOS 2008	Longitudinal Relationships of Subclinical Cardiovascular Disease with Physical Function in Older Adults	
Hui Xu	MS BIOS 2009	Comparison Between Respondents and Non-respondents in a Nested Case-Control Study of Brain Tumors	
Kamil Barbour	MS BIOS 2011	Inflammatory Markers and the Risk of Hip Fracture: The Women's Health Initiative	
Bratislav Janjic	MS BIOS 2012	Analysis of the Level of Oxidative Phosphorilation in Breast Cancer Cell Types	
Katrina Zell	MS BIOS 2013	An Analysis of Survey Data for Estimating Marcellus Shale Perceptions	
John Kasckow	MS BIOS 2014	Using Latent Class Growth Modelling to Examine Cognitive Predictors of Suicidal Ideation in the Elderly	
Lei Ye	PhD BIOS 2014	Semi-parametric Estimation Procedures Using Local Polynomial Smoothing for Inconsistently Sampled Longitudinal Data	
Olive Buhule	PhD BIOS 2014	Bayesian Hierarchical Joint Modelling of Repeatedly Measured Mixed Biomarkers of Disease Severity and Time to Event	
Hai Vo	MS BIOS 2016	An Application of Analyzing Correlated Binary Outcomes in a Study of Twins	

Name of Student	Degree Awarded, Year	Type of Document and Title	Notes
Heartly Egwuogo	MS BIOS	Left program	
John Kasckow	PhD BIOS	Left program	
Ying Qian	MS BIOS	Thesis advisor change	
Chris Freyder	MS BIOS	Thesis advisor change	
Peng Liu	MS BIOS	Thesis advisor change	
Yue Chen	MS BIOS	Left program	
Natasha Sumetsky	MS BIOS	Thesis advisor change	
Regina Dutz	MS BIOS	Left program	
Mita Lovalekar	MS BIOS	Left program	
Sifang Zhao	MS BIOS	Thesis advisor change	
Tian He	MS BIOS	Thesis advisor change	
Jocelyn Mineo	MS BIOS 2019	Concordance of Actigraphic and Ecological Momentary Assessed Sleep	
Chenxin Yang	MS BIOS	Thesis advisor change	
Avantika Srivastava	MS BIOS	Thesis advisor change	
Qingwen Chen	MS BIOS	Thesis advisor change	
Elijah Lovelace	MS BIOS 2020	Analysis of Post-Secondary Bound Graduation Rates in Pennsylvania Public Schools	
Kristina Boyd	MS BIOS	Thesis advisor change	
Zhuxuan Fu	MS ongoing		
Ashika Mani	MS ongoing		

d. Service on Masters or Doctoral Committees

Dates Served	Name of Student	Degree Awarded	Title of Dissertation/Essay
2001-2003	Jen Barkin	MS BIOS	An Empirical Evaluation of How Odds Ratios Estimated From Nested Case-Control Studies are Affected by the Algorithm Used to Select Matched Controls

Dates Served	Name of Student	Degree Awarded	Title of Dissertation/Essay
2002-2003	Catherine Wright	MS EPID	Contribution of dietary intake and physical activity to obesity in women with Polycystic Ovary Syndrome
2002-2004	Tim Sell	PhD Sports Medicine	Neuromechanical Predictors of Dynamic Knee Stability
2003-2004	Weilian Sang	MS BIOS	Empirical Comparison of US Census Bureau Population Estimates used in the Mortality and Population Data System of the University of Pittsburgh, Department of Biostatistics
2003-2006	Mike Cunningham	MS BIOS	Reanalysis of Smoking and Lung Cancer in the National Cancer Institute Acrylonitrile Worker Cohort Study
2004-2005	Rosemarie Ramos	PhD EPID	Adult Asthma: The Novel Use of Public Health Methods to Investigate the Prevalence of Environmental Risk Factors
2004-2005	Nadra Tyus	PhD BCHS	Predictors of Chlamydia and Gonorrhea Screening Behaviors among High-Risk Young Women
2004-2006	Adina Soaita	DrPh BIOS	GEE Models for the Longitudinal Analysis of the Effects of Occupational Radiation Exposure on the Lymphocyte Counts in Russian Nuclear Workers
2007-2008	Kira Leishear	MS BIOS	An Analysis of Characteristics and Trends in Bariatric Surgery, 1999-2004, and a Comparison of Surgery Patients and Those Eligible for Surgery
2007-2008	Chieh-Hsin Kuan	MS BIOS	Primary Graft Dysfunction after Lung Transplant with T-cell Depletion
2007-2008	Wan-Chen Lo	MS BIOS	Analysis of Combined Effects of Discodermolide with Clinical Anticancer Agent, Paclitaxel
2007-2009	John Zeiner	MS BIOS	The Effects of Induced Sleep Fragmentation on Cardiac Sympathovagal Balance
2007-2009	Darren Lui	PhD BCHS	Health Information Technology and Nursing Homes
2007-2009	Helen Smith	PhD EPID	Health-related Characteristics Among Lesbian and Heterosexual Women Enrolled in the ESTHER (Epidemiologic Study of Health Risks) Project

Dates Served	Name of Student	Degree Awarded	Title of Dissertation/Essay
2007-2017	Weilian Sang	PhD BIOS	Did not finish
2007-2009	Jeff Rohay	PhD BIOS	Statistical Assessment of Medication Adherence Data: A Technique to Analyze the J-Shaped Curve
2009	Tanya Bobo	PhD EPID Failed Overview	Nutritional Risk Factors of Bacterial Vaginosis
2009-2011	Christy Lawson	PhD EPID	Racial Disparities in Asthma Severity: A Comparison Between Black and White
2009-2011	Angela Malek	PhD EPID	The Relationship Between Environmental, Occupational, and Personal Lifestyle Risk Factors and Sporadic Amyotrophic Lateral Sclerosis in Western Pennsylvania
2009-2011	Simone Reynolds	PhD EPID	Fetal Growth in Preeclampsia: Effect of Infant Sex
2009-2011	Katya Giovannetti	MS EPID	The Association between Cigarette Smoking Cessation and Gestational Weight Gain
2009-2015	Jia Xu	PhD EPID	Low birthweight delivery and long term maternal cardiovascular health.
2010-2011	Kathleen McHugh-Pemu	PhD EPID	Left the program
2011	Jennifer Cooper	MS BIOS	Mechanisms driving the effect of weight loss on arterial stiffness
2010	Yu Mi (Amy) Kwon	PhD BIOS	An Imputation Method Under a Pseudolikelihood Method for Analysis of Multivariate Missing Data
2010-2012	Jesse Troy	PhD EPID	Human Papillomavirus (HPV) and Lifestyle in the Translational Epidemiology of Head and Neck Cancer
2010-2012	Jia Xu	MS BIOS	Relationship Between Overweight Status at Onset and Insulin Reserve in Children with Type 1 Diabetes
2011-2012	Yll Agimi	PhD BCHS	Role of State Driver Licensing Policies and Physician Reporting Laws on Older Driver Safety
2011-2014	Xiaoxue Li	PhD BIOS	Time Varying Coefficient Models for Gap Times in Ecological Momentary Assessment Data

Dates Served	Name of Student	Degree Awarded	Title of Dissertation/Essay
2011-2012	Michelle Kurta	PhD EPID	Committee change
2011-2012	Alicia Colvin	PhD EPID	The Role of Family History of Depression in the Development of Major Depression in Women During Midlife
2012-2013	Heartly Egwuogu	PhD EPID	The Longitudinal Effect of Low Kidney Function on Bone Mineral Density Change and The Association of Body Composition With Markers of Kidney Function Among Afro-Caribbean Men of West African Ancestry.
2012-2015	Jia Xu	PhD EPID	Low Birthweight Delivery and Long Term Maternal Cardiovascular Health.
2012-2016	Tammy Outly	PhD EPID	Serum Troponin I Levels and All-Cause Mortality and Incident Myocardial Infarction: Analysis of the Pittsburgh Veteran's Healthcare System
2012-2016	Robin Pokrzywinski	PhD EPID	Disparities in Body Mass Index by Sexual Orientation in Women
2012	Jiin Choi	PhD BIOS	Prediction in the Joint Modeling of Mixed Types of Multivariate Longitudinal Outcomes and a Time-to-Event Outcome.
2012	Zhaowen Sun	MS BIOS	Effects of Longitudinal Profiles of Pediatric End-Stage Liver Disease (PELD) Scores on Post-Transplant Survival
2012-2013	Sarah Downing	MS BIOS	Adjustment for Suspected Misclassified Smoking Data in an Historical Cohort Study of Workers Exposed to Acrylonitrile
2011-2013	Phil Greer	MS BIOS	A Cross-sectional, Multi-site Study of T1 Weighted Magnetic Resonance Image Properties
2013	Yimeng Liu	MS BIOS	A Comparison of Regression Methods in Data Subject to Detection Limits: An Application to Lung Fiber Analysis Among Brake Workers
2013-2016	Proma Paul	DrPh EPID	Comprehensive Cervical Cancer Prevention and Control: Potential Strategies at Different Stages of Cervical Cancer Progression.

Dates Served	Name of Student	Degree Awarded	Title of Dissertation/Essay
2013-2016	John Walters	MS BIOS	TREG, CD4 T _{EM} , AND CD8 T _{EMRA} Fail To Predict Acute Cellular Rejection in Living-donor Renal Allograft Recipients
2013-2014	Laura Berbert	MS BIOS	An Examination of Computerized Neurocognitive Test Scores as Predictors of Risk of Concussion in Collegiate Athletes.
2014	Deepan Kamraj	MS Rehab Science and Technology	Comparing Performance and Perception Among Experienced and Novice Users in Driving a Virtual Powered Wheelchair in a Wheelchair Driving Simulator
2014	Kelsey Baker	MS BIOS	An Analysis of Survey Data to Determine Significant Risk Factors Associated with Adolescent Marijuana Use Through Utilization of Sample Weighting Methods
2014	Hsiang-Yu Chen	MS BIOS	Stepped Wedge Cluster Randomized Controlled Trials: Sample Size and Power Determinations.
2014-2016	Jia-Yuh Chen	PhD BIOS	Joint Modeling of Bivariate Longitudinal and Bivariate Survival Data in Spouse Pairs
2014-2016	Qian Zhao	PhD EPID	Epidemiology of General, Regional and Ectopic Skeletal Muscle Fat in Aging African Ancestry Men
2014-2015	Lindsay Bow	MS EPID	Differential All-Cause Excess Mortality of the 1918 Influenza Pandemic in the U.S. Registration Area.
2015	Megan Marron	MS BIOS	Cross-validation in Group-based Latent Trajectory Modeling when Assuming a Censored Normal Model.
2015	Victor Talisa	MS BIOS	Effects of Medicare Part D Plan Switching on Prescription Drug Expenditures: A Longitudinal Analysis Using Mixture Models
2015	Zhen Li	MS BIOS	Deriving An Insulin Resistance Score in Youth With Type I Diabetes Mellitus Based on Clinical Risk Factors

Dates Served	Name of Student	Degree Awarded	Title of Dissertation/Essay
2015-2017	Amia Downes	PhD BCHS	A Process Evaluation of the National Institute for Occupational Safety and Health's (NIOSH) Respirator Approval Process
2015	Ying Qian	MS BIOS	Analysis of an Immuno-Focused Targeted Genetic Association Study on Melanoma
2015	Florentina Sileanu	MS BIOS	Towards Unbiased Estimation of the Optimal Time for Renal Replacement Therapy
2015	Xiaotian (Steven) Gao	MS BIOS	Analysis of Kidney Volume and Functional Outcomes Using Survival and Classification Tree Models
2015-2017	Lara Siminerio Lemon	PhD EPID	Using Pharmacoepidemiologic Methods to Study Pharmacotherapy in Pregnancy: Application to Opioid Maintenance Therapy and 17-OHPC for Prevention of Preterm Birth
2015-2016	Michael Zeleny	MS BIOS	Assessing Prognosis for Chronic Kidney Disease using Neural Networks
2015-2016	Peng Liu	MS BIOS	Power Analysis for Stepped Wedge Trials with Delayed Treatment Initiation and Longitudinal Measurements
2015-2016	Chris Freyder	MS BIOS	Using Linear Regression and Mixed Models to Predict Health Care Costs after an Inpatient Event
2015-2016	Matthew Johnson	MS BIOS	Analysis of Racial Differences in ICD Shock Burden Using Cox Proportional Hazards Regression
2015-2016	Amy Davis	MS Genetic Counseling	Non-Genetic Specialists' Experiences Ordering Chromosomal Microarrays
2016	Chunyan Wang	MS BIOS	Nonparametric Estimation of the Association between Liver Transplantation Waiting Time and Posttransplant Graft Failure.
2016	Nicholas Heaghney	MS BIOS	Can Medical Marijuana Stem Increases in Drug Related Death-Rates: A Time-Series Cross-Section Analysis

Dates Served	Name of Student	Degree Awarded	Title of Dissertation/Essay
2016	Clair Smith	MS BIOS	Using Mixed Effects Models to Compare Differences in Stress Reactivity between Women with and without a Family History of Breast Cancer
2016	Samantha Taylor	MS BIOS	Using Latent Class Mixture Models to Define Sepsis Endotypes
2016	Haoyi Fu	MS BIOS	Predicting Biomarkers for Early Diabetic Nephropathy in Children with Type I Diabetes Mellitus
2017	Chantele Mitchell Miland	PhD EPID	
2017	Yaming Li	MS BIOS	Evaluating the effect of kidney volume on decline in renal function using the generalized propensity score.
2017	Meiqi (Wendy) He	MS BIOS	Evaluating the Effect of MEDICARE Shared Savings Program Accountable Care Organizations on Part D Pharmaceutical Spending and Use
2017-2018	Christopher Keener	PhD BIOS	Power and Sample Size Determination for Stepped Wedge Cluster Randomized Trials
2017-2018	Jose Luis Andres Wilches-Gutierrez	PhD BCHS	Sexual and Reproductive Health in Local Mining Contexts in Columbia
2017	Yaming Li	MS BIOS	Evaluating the Effect of Kidney Volume on Decline in Renal Function Using the Generalized Propensity Score
2017	Perna Ranganathan	MS BIOS	Chronic serum Cortisol mediates the relationship between IL-6/sIL-6R complex and long-term global outcome after moderate to severe traumatic brain injury.
2017-2018	Tianghe Shi	MS BIOS	Models for Earlier Prognosis of Renal Decline in Polycystic Kidney Disease (PKD) Patients
2017	Sifang Zhao	MS BIOS	An exploratory study of sleep-wake disturbance in older patients undergoing induction chemotherapy treatment for newly diagnosed acute myeloid leukemia.

Dates Served	Name of Student	Degree Awarded	Title of Dissertation/Essay
2018	Shen Liu	MS BIOS	Models for Zero Inflated Counts: Applications for Modelling Hospital Days
2018	Tian He	MS BIOS	Haptoglobin After Subarachnoid Haemorrhage: Individual Patient Level Data (IPLD) Analysis
2018	Xinxin Sun	MS BIOS	Re-Parameterization of the Dose-Toxicity Model of the Time-to-Event Continual Reassessment Method to Accommodate Patient Heterogeneity
2018-2019	Megan Hoenig	MS in Genetic Counseling, MPH	Genetic Testing Outcomes in a Utilization Management Genetic Counseling Clinic Compared to Genetic Testing Ordered by Non-Genetics Providers
2018	Andrea Casas	PhD EPID	
2018-2019	Letitia Graves	PhD Nursing	Sleep and Symptomology after Spinal Cord Injury
2019-2020	Lei Zhou	PhD EPID	Association Between Long-term PM _{2.5} Exposure and Subclinical Atherosclerosis in Middle-Aged Women
2019	Alex Hurd	MS BIOS	Use of Survival Trees and Random Forests for Modeling Time to End Stage Renal Disease
2019	Shangzhen Chen	MS BIOS	Regression modeling for competing risks based on pseudo-observations, with application to breast cancer study.
2019	Graham Lucas Cummin	MS BIOS	A Latent Class Analysis of Parkinson's Disease Symptoms
2019	Quinn Solomon	MPH IDM	An Epidemiological Analysis of MDRO Acquisition in Critically Ill Burn Patients in Western Pennsylvania
2019	Jason Mao	MS BIOS	The Effects of Misspecification of Submodels in Joint Modeling of Repeated Measures and Time-to-Event Outcomes
2019-2020	Menqi Wang	MS BIOS	Evaluating Comparative Effectiveness of Simultaneous Liver and Kidney Transplant Versus Liver Transplant Alone Using Instrumental Variables

Dates Served	Name of Student	Degree Awarded	Title of Dissertation/Essay
2019-2020	Lisa Lederer	MPH BCHS	Reinforcing RCTs of Public Health Interventions: Defining Form and Function
2019	Ashlyn Bulas	MPH EPID	Assessing Pre-Injury Health Status of Older Adults Who Have Sustained a Traumatic Brain Injury Compared to Matched Controls
2020	Anni Guo	MS BIOS	
2020	Jennifer Fedor	MS BIOS	Predicting Health-Related Quality of Life in Early Adulthood from Individual Differences in Adolescent Neurocognitive Development
2020	Kayleigh Adamson	MS BIOS	A Gaussian-Mixture Model Analysis of Polysubstance Drug Use in Opioid Overdose Deaths
2020	Sejal Mistry	MPH EPID	Sexual and Reproductive Health Knowledge Among Youth Refugees in South Asia
2020	Gabrielle Marie Corona	MPH EPID	Where You Shop and Neighborhood Access to Fruit and Vegetables are Associated with Self-Rated and Cardiometabolic Health
2020	Yi-Chuan Yu	MPH EPID	
2020	Chinwoke I Jeoma Isiguzo	PhD BCHS	

e. Service on Comprehensive or Qualifying Examination Committees

Dates Served	Student Population	Type of Exam (Qualifying/Comprehensive)
2001-date	BIOS PhD students	Applied Qualifying Exam
2004	Rosemarie Ramos	PhD (EPID) Comprehensive
2004	Nadra Tyus	PhD (BCHS) Comprehensive
2007	Jeff Rohay	PhD (BIOS) Comprehensive
2007	Darren Lui	PhD (BCHS) Comprehensive
2008-date	BIOS MS students	Comprehensive Exam
2008	Helen Smith	PhD (EPID) Comprehensive
2009	Tanya Bobo	PhD (EPID) Overview

Dates Served	Student Population	Type of Exam (Qualifying/Comprehensive)
2009	Christy Lawson	PhD (EPID) Overview
2009	Simone Reynolds	PhD (EPID) Overview/Comprehensive
2009	Angela Malek Bazaco	PhD (EPID) Overview/Comprehensive
2010	Amy Kwon	PhD (BIOS) Comprehensive
2010	Kathleen McHugh-Pemu	PhD (EPID) Overview/Comprehensive
2010	Katya Giovannetti	PhD (EPID) Overview
2011	Yll Agimi	PhD (BCHS) Comprehensive
2011	Alicia Colvin	PhD (EPID) Overview
2011	Jia Xu	PhD (EPID) Overview
2012	Heartly Egwuogu	PhD (EPID) Overview/Comprehensive
2012	Tammy Outly	PhD (EPID) Overview
2012	Jia Xu	PhD (EPID) Comprehensive
2014	Tammy Outly	PhD (EPID) Comprehensive
2014	Lindsay Bow	MS (EPID) Comprehensive
2014	Cynthia Salter	PhD (BCHS) Preliminary
2015	Robin Pokrzywinski	PhD (EPID) Comprehensive
2015	Qian Zhao	PhD (EPID) Comprehensive
2015	Amia Downes	PhD (BCHS) Overview/Comprehensive
2017	Chantele Mitchell Miland	PhD (EPID) Overview
2017	Lara Siminerio Lemon	PhD (EPID) Overview/Comprehensive
2017	Christopher Keener	PhD (BIOS) Comprehensive
2018	Chantele Mitchell Miland	PhD (EPID) Comprehensive
2019	Lei Zhou	PhD (EPID) Overview
2019	Letitia Graves	PhD (Nursing) Overview/Comprehensive
2019	Sarah Sanders	PhD (BCHS) Preliminary
2020	Chinwoke I Jeoma Isiguzo	PhD (BCHS) Comprehensive

f. Mentoring of Teaching Fellows

Dates Supervised	Name of Student	Course
Fall 2015	Lauren Balmert	BIOST 2081:
Fall 2016	Shannon Wooley	Mathematical Methods for Statistics
Fall 2017	Joanne Beer Tao Sun	BIOST 2081: Mathematical Methods for Statistics
Spring 2017	Jenna Carlson	BIOST 2011: Principles of Statistical Reasoning
Fall 2018	Tao Sun Marie Tuft	BIOST 2081: Mathematical Methods for Statistics
Fall 2019	Xiaotian Gao Marie Tuft	BIOST 2081: Mathematical Methods for Statistics

g. Mentoring of Junior Teaching Faculty

Dates Mentored	Name of Faculty	Department
2018-current	Jenna Carlson	Biostatistics

h. Supervision of Post-Doctoral Students, Residents, and Fellows

Dates Mentored	Name of Student	Position of Student
March 2013- November 2013	Arvind Srinath, MD	Attending Physician, Division of Pediatric Gastroenterology, Hepatology & Nutrition, Children's Hospital of Pittsburgh of UPMC
2017	Jeffrey Christ, DVM	Resident in Surgery, Pittsburgh Veterinary Specialty and Emergency Center
2017-2019	Allyson Frederick, DVM	Resident in Small Animal Surgery Pittsburgh Veterinary Specialty & Emergency Center
2017-2019	Kurt Michelotti, DVM	Resident in Surgery Pittsburgh Veterinary Specialty and Emergency Center

i. Mentoring of Career Development Awardees

Dates Mentored	Name/Title of Junior Investigator	Funding Agency/Annual Direct Costs
03/01/16-02/28/21	John Blosnich, PhD Core Investigator, Center for Health Equity Research and Promotion	VA HSR&D: \$88,341 CDA 14-408: <i>Health Outcomes and Healthcare use Among Transgender Veterans</i> The aims of this project are to understand health outcomes, healthcare utilization, and quality of care among transgender Veterans.
04/01/16-03/31/21	Adam Bramoweth, PhD Core Investigator, Center for Health Equity Research and Promotion	VA HSR&D: \$48,264 CDA 13-260: <i>Implementation of Brief Treatments for Insomnia in Primary Care</i> This project will compare the effectiveness of Brief Behavioral Treatment of Insomnia and Cognitive Behavioral Therapy for Insomnia and conduct a qualitative needs assessment to identify factors associated with the implementation of behavioral treatments for insomnia in Primary Care Patient Aligned Care Teams.

j. Teaching and Mentoring Professional Development

Dates	Event/Program	Venue
Summer 2018	Workshop: Teaching Effectively without Powerpoint	University Center for Teaching and Learning
Summer 2018	Workshop: Writing Assignments: Design, Assessment and Feedback	University Center for Teaching and Learning
August 2018-April 2019	Faculty Pathway: Classroom Assessment	University Center for Teaching and Learning

Dates	Event/Program	Venue
March 2019	Pittsburgh Regional Faculty Symposium	University of Pittsburgh Center for Teaching and Learning
May 2019	United States Conference on Teaching Statistics - USCOTS '19 Evaluating Evidence, State College PA	Consortium for the Advancement of Undergraduate Statistics Education (CAUSE)
August 2019-April 2020	Faculty Seminar: Scholarship of Teaching and Learning	University Center for Teaching and Learning
March 2020 Cancelled due to COVID 19	Pittsburgh Regional Faculty Symposium	Chatham University

k. Program Development

Approved Date(s)	Type of Program
Fall 2019	MS Biostatistics Concentration in Health Data Science
Fall 2019	MS Biostatistics Concentration in Statistical & Computational Genomics

2. Research and Training

a. Grants and Contracts Received

Principal Investigator

Years Inclusive	Grant and/or Contract Number and Title	Source	Annual Direct Costs	% Effort
1997-1998	Enhancements to the Mortality and Population Data System (MPDS)	GSPH	\$5,000	20%
2008-2010	A program of Biostatistical support: Statistical analyses using OCMAP-Plus for retrospective cohort data in a pharmaco-epidemiology setting	GlaxoSmithKline Research and Development, Worldwide Epidemiology Division	\$40,571	5%
2008-2009	Study of Cancer Rates in High Altitude US Counties	Amgen, Inc., Global Epidemiology Division	\$25,777	10%

Years Inclusive	Grant and/or Contract Number and Title	Source	Annual Direct Costs	% Effort
2010-2011	A program of Biostatistical support: Statistical analyses using OCMAP-Plus for retrospective cohort data in a pharmaco-epidemiology setting – additional funding	Glaxo Smith Kline	\$9,772	25%
2011-2012	A Program of Biostatistical Support for the Analysis of Mortality and Population Data	3M	\$6,713	5%
2012-2013	A Program of Biostatistical Support for the Analysis of Mortality and Population Data	Exponent	\$11,191	5%
2013-2014	A Program of Biostatistical Support for the Analysis of Mortality and Population Data	The Dow Chemical Company	\$10,670	8%
2013-2014	A Program of Biostatistical Support for the Analysis of Mortality and Population Data	Exponent #2	\$11,170	8%
2014	Biostatistical Support for the Shipboard Hazard and Defense II (SHAD II) Project	Institute of Medicine	\$8,270	16%
2014-2015	A Program of Biostatistical Support for the Analysis of Mortality and Population Data	Exponent #3	\$11,170	12%
2014-2015	A Program of Biostatistical Support for the Analysis of Mortality and Population Data	Chevron	\$17,690	5%
2015-2016	T-15-HL097777: Summer Institute for Training in Biostatistics	NIH-NHLBI	\$236,854	10%
2015-2016	A Program of Biostatistical Support for the Analysis of Mortality and Population Data	ExxonMobil	\$11,091	11%

Years Inclusive	Grant and/or Contract Number and Title	Source	Annual Direct Costs	% Effort
2015-2018	A Program of Biostatistical Support for the Analysis of Mortality and Population Data	Chevron	\$14,830	4%
2019-2022	A Program of Biostatistical Support for the Analysis of Mortality and Population Data	Chevron	\$14,087	10%

Co-Investigator on Grants

Years Inclusive	Grant and/or Contract Number and Title	Source	Annual Direct Costs	% Effort
1996-1999	Continuation and Expansion of the Mortality Surveillance Program for the US Man-Made Mineral Fiber Industry	North American Insulation Manufacturer's Association	\$2,549,377	30%
1996-1999	Mortality Patterns among Pharmaceutical Workers at the Eli Lilly & Company, Clinton, IN Plant	Eli Lilly & Company	\$355,342	40%
1999-2003	Supplemental Funding for the Mortality Surveillance Program for the US Man-Made Mineral Fiber Industry	North American Insulation Manufacturer's Association	\$706,250	30%
1999-2003	Biostatistical and Epidemiological Support Program for Solutia, Inc	Solutia, Inc.	\$218,688	30%
1999-2000	The Eli Lilly & Company, Clinton Plant Cohort Mortality Study: Comparative Study of the Tippecanoe Plant Mortality Experience	Eli Lilly & Company	\$86,272	30%
2000-2010	The Eli Lilly & Company, Clinton Plant Cohort Mortality Study, Five Year Mortality Surveillance Program	Eli Lilly & Company	\$128,662	10%

Years Inclusive	Grant and/or Contract Number and Title	Source	Annual Direct Costs	% Effort
2000-2005	Mortality Patterns Among Workers Exposed to Chloroprene	International Institute of Synthetic Rubber Producers	\$631,957	40%
2001-2010	Menopausal Transition, Mental Health and Ethnicity, NIH Grant #: R01 MH59689-A1	NIH	\$1,284,230	5%
2001-2009	Mortality Surveillance and the Epidemiologic Support Program for Owens Corning	Owens Corning	\$990,000	10%
2002-2008	Epidemiology and Biostatistical Component of the Pratt & Whitney Exploratory Cohort Mortality Study	Pratt & Whitney, Division of United Technologies Corporation	\$3,680,128	50%
2009-2011	Epidemiological and Biostatistical Support for Owens Corning	Owens Corning	\$95,817	10%
2008-2011	Epidemiology Study of Workers in the Tungsten-Carbide Industry	PA DOH (1)	\$217,391	25%
2002-2011	Epidemiology Study of Suspected Brain Cancer Excess at Pratt & Whitney CT Sites	Pratt & Whitney	\$45,783	2.5%
2010-2010	Man-Made Vitreous Fibers and Respiratory Cancer Evaluation of the Epidemiological Evidence Since 2001 IARC Re-Evaluation	North American Manufacturers Association	\$18,685	7%
2010-2012	Updated and Expanded Study of Polycythemia Vera and Other Myeloproliferative Neoplasms in the Tri-County Area	PA DOH	\$129,849	10%

Years Inclusive	Grant and/or Contract Number and Title	Source	Annual Direct Costs	% Effort
2011	Epidemiology Study of Workers in the Tungsten-Carbide Industry	PA DOH (2)	\$86,957	10%
2011-2012	Additional Reevaluation of the National Cancer Institute Formaldehyde Cohort Data	FormaCare	\$65,993	30%
2011-2012	Use of Human Exposure and Epidemiology Data in a Physiological Based Kinetic Modeling Risk Assessment for Chloroprene	International Institute of Synthetic Rubber Producers (IISRP)	\$35,180	25%
2011	Evaluation of Uncertainty Factors in NCI-NIOSH Diesel Exhaust in Miners Study Exposure Assessment and Their Impact of Risk Estimates and Exposure-Response Relationships	Mining Awareness Resources Group	\$25,000	10%
2011-2012	Understanding and Treating Neuropsychiatric Symptoms of Pediatric Physical Illness	NIH	\$23,853	20%
2011-2013	Center for Health Equity Research and Promotion	VA HSR&D	\$480,000	10%
2011-2014	Tungsten Carbide with Cobalt Binder: An Historical Cohort and Nested Case-Control Study of Lung Cancer	International Tungsten Industry Association (ITIA)	\$685,086	10%
2012-2013	Reducing Depressive Symptoms in Physically Ill Youth	NIMH	\$23,853	20%
2012-2014	Health in Coal Mining and Non-Coal Mining Counties in Appalachia	Appalachian Research Initiative for Environmental Science	\$120,000	15%

Years Inclusive	Grant and/or Contract Number and Title	Source	Annual Direct Costs	% Effort
2012-2013	Positive Affect: An Intervention to Reduce Racial Disparities in Osteoarthritis Pain and Functioning	VA CHERP Competitive Pilot Research Program	\$49,611	5%
2012-2015	Trial of Nurse-delivered Alcohol Brief Intervention for Hospitalized Veterans	VA HSR&D	\$233,606	20%
2013-2016	Connecting Dust Characteristics and Worker Health in Underground Coal Mining	Alpha Foundation for the Improvement of Mine Safety and Health, Inc.	\$797,602	10%
2013-2018	CIN 13-405 Center for Health Equity Research and Promotion (CHERP)	VA HSR&D	\$553,000	5.25%
2014-2017	Update and Enhancement of the Mortality and Population Database System (MPDS)	GSPH, Dean's Office	\$152,724	10%
2014-2020	IIR 13-080 Staying Positive: An Intervention to Reduce Osteoarthritis Pain Disparities	VA HSR&D	\$422,421	20%
2016-2020	NRI 15-150 Effects of a Mindfulness Intervention Delivered within Diabetes Education on Diabetes-related Outcomes in Military Veterans	VA HSR&D	\$250,000	20%
2016-2018	XVA 72-910 Substance Use Disorders in Veterans with Chronic Liver Disease	VA VISN 4	\$50,000	5%
2016-2017	Prescription Opioid Use in Veterans with Chronic Liver Disease	VA CHERP	\$25,000	5%

Years Inclusive	Grant and/or Contract Number and Title	Source	Annual Direct Costs	% Effort
2016-2018	XVA 72-909 Improving the Perioperative Care of Frail Veterans Considering Elective Surgery	VA VISN 4	\$49,999	8.5%
2017-2018	I21 HX-002345 Pilot Testing Prehabilitation Services Aimed at Improving Outcomes of Frail Veterans Following Major Abdominal Surgery	VA HSR&D	\$99,998	6.25%
2018-2020	I21 RX-002562 Pilot testing a home-based rehabilitation intervention designed to improve outcomes of frail Veterans following cardiothoracic surgery	VA Spire	\$191,006	12.5%
2019-2023	CIN 13-405 Center for Health Equity Research and Promotion (CHERP)	VA HSR&D	\$559,500	5.25%
2019	K12 PCOR Scholars Program-Pain and Opioid Use among Veterans with Chronic Liver Disease	NIH	\$8,785	7%
2020-2024	K23 DA048182 Improving Pain Management and Opioid Safety for Patients with Cirrhosis	NIDA	\$175,900	2.5%
2015-2020	IIR 14-074 Engaging Veterans and Family Supporters in PACT to Improve Diabetes Management	VA HSR&D	\$52,149	14.5%

Years Inclusive	Grant and/or Contract Number and Title	Source	Annual Direct Costs	% Effort
2020-2024	IIR 19-340 Enhancing Access to Insomnia Care (EASI Care): Implementing Brief Behavioral Treatment for Insomnia in Primary Care Mental Health Integration Clinics	VA HSR&D	\$257,275	20%

b. Invited Lectureships and Major Seminars Related to Your Research

Date	Title of Presentation	Venue
1996	Iterative Allocation of Person-Years in Occupational Mortality Studies	The Biometric Society ENAR Spring Meeting
2000	A Simulation Study for Allocating Partially Classified Person-Time	International Society for Environmental Epidemiology Annual meeting
2000	Mortality Among Residents of the Three Mile Island Accident Area: 1979-1995	International Society for Environmental Epidemiology Annual meeting
2003	OCMAP-Plus for Windows	British Occupational Hygiene Society Annual Meeting
2005	Mortality Patterns among Workers Exposed to Chloroprene and Other Substances	American Industrial Hygiene Association Annual Meeting
2005	OCMAP-Plus for Windows	GlaxoSmithKline, Invited Speaker
2005	OCMAP-Plus for Windows	International Epidemiology Institute, Invited Speaker
2005	OCMAP-Plus for Windows	Dow Chemical Corporation, Invited Speaker
2006	OCMAP-Plus for Windows	NIOSH, Invited Speaker
2008	A Study of Cancer Mortality Rates in High Altitude Counties of the United States	Dean's Junior Faculty Seminar Series

Date	Title of Presentation	Venue
2010	Time-Dependent Measures of Drug Exposures using Pharmacy Claims: Applying Occupational Epidemiology Methods to Pharmacovigilance	GlaxoSmithKline, Invited Speaker for EpiForum
2013	Time-dependent measures in a benefit-risk assessment of drug exposure using pharmacy claims	Non-Clinical Biostatistics Annual Meeting, Villanova, University
2017	Biostatistics: Using Data to Improve Health.	Slippery Rock University, Department of Mathematics

c. Other Research and Training Activities

Date	Position	Description of Activity
1994-1996	Project Biostatistician	Continuation and Expansion of the Mortality Surveillance Program for the US Man-Made Mineral Fiber Industry,” Sponsor: North American Insulation Manufacturer’s Association
1996-1998	Project Biostatistician	<i>De Novo</i> Non-Lymphoid Malignancies Following Liver Transplantation Under Tacrolimus
1996-2001	Project Biostatistician	Long-Term Follow-Up of the Three Mile Island Population
1997-1999	Project Biostatistician	Children’s Hospital, Department of Otolaryngology

PUBLICATIONS

1. Refereed Articles

1. Ellis GL, Delaney J, DeHart DA, **OWENS AD**. The efficacy of Metoclopramide in the treatment of migraine headache. *Ann Emer Med* 1993; 22:191-195.
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13. Talbott EO, **YOUK AO**, McHugh K, Shire J, Murphy B. Mortality among the residents of the Three Mile Island area. *Environmental Health Perspectives* 2000; 108(6):1-8.
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15. Marsh GM, **YOUK AO**, Collins JJ. Reevaluation of lung cancer risk in the acrylonitrile cohort study of the National Cancer Institute and the National Institute for Occupational Safety and Health. *Scan J Work, Environ and Health*. 2001; 27(1):5-13.
16. Marsh GM, **YOUK AO**, Stone RA, Buchanich JM, Gula MJ, Smith TJ, Quinn MM. Historical Cohort Study of U.S. Man-Made Vitreous Fiber Production Workers: I. 1992 Fiber Glass Cohort Follow-Up - Initial Findings. *J Occ Env Med* 2001; 43(9): 741-756.
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2. Books and Book Chapters

None

3. Published Proceedings

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4. Invited Articles

1. New Graduate Data Science Programs. University of Pittsburgh. *AMStat News*, December 2019; pgs 16-17.

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None

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41. DiNardo MM, **YOUK A**, Beyer N, Beattie J, Obrosky DS. Clinical Video Telehealth: An Effective Approach to Comprehensive Group Diabetes Self-Management Education and Support for Rural and Disabled Veterans. American Diabetes Association 80th Scientific Sessions Virtual Meeting; 2020.
42. Dinardo MM, Pharas A, Beyer N, Obrosky DS, **YOUK A**. Trait Mindfulness Predicts Diabetes Distress in US Veterans. International Congress on Integrative Medicine and Health, Cleveland, OH; 2020.
43. George E, Hall DE, **YOUK A**, Chen R, Kashikar A, Trickey AW, Shireman PK, Shinall MC, Massarweh NN, Johanning J, Arya S. Patient frailty and postoperative mortality after non-cardiac surgery – does specialty matter? Association of VA Surgeons Annual Meeting, Pittsburgh PA; 2020
44. Reitz KM, Varley P, **YOUK A**, Shinall MC, George E, Tzeng E, Shireman PK, Hall DE. The relationship between operative stress, patient frailty, and financial reimbursement. American College of Surgeons, Clinical Congress, Chicago, IL; 2020.
45. Schlegel C, Shinall MC, Varley P, **YOUK AO**, Hoehn R, Hall DE. Assessment of the Risk Analysis Index for Measuring Frailty in Surgical Oncology Patients. American College of Surgeons, Clinical Congress, Chicago, IL; 2020.
46. Yan Q, Hall DE, Shinall MC, Stitzenberg KB, Kao LS, Sharma D, Wang CP, **YOUK A**, Shireman PK. Association of Patient Frailty and Operative Stress With Postoperative Mortality – No Such Thing as Low-Risk Surgery in Frail Adults. American College of Surgeons, Clinical Congress, Chicago, IL; 2020.

7. Presentations

1. "Iterative Allocation of Person-Years in Occupational Mortality Studies, " The Biometric Society ENAR Spring Meeting, Richmond, VA, 1996.

2. "Assessing the Iterative Allocation Algorithm: A Simulation Study." Poster Session, Annual Banquet, American Statistical Association, Pittsburgh Chapter, Pittsburgh, PA, 1997.
3. "Assessing a Method for Allocating Partially Classified Person-Time: A Simulation Study." Poster Session, American College of Epidemiology 1999 Annual Meeting, Bethesda, MD, 1999.
4. "A Simulation Study for Allocating Partially Classified Person-Time." International Society for Environmental Epidemiology 2000 meeting, Buffalo, NY, 2000.
5. "Mortality Among Residents of the Three Mile Island Accident Area: 1979-1995." International Society for Environmental Epidemiology 2000 meeting, Buffalo, NY, 2000.
6. "OCMAP-Plus for Windows." British Occupational Hygiene Society 2003 Annual Meeting, London, England, 2003.
7. "Mortality Patterns among Workers Exposed to Chloroprene and Other Substances." American Industrial Hygiene Association 2005 Annual Meeting, Anaheim, CA, 2005.
8. "A Study of Cancer Mortality Rates in High Altitude Counties of the United States" Dean's Junior Faculty Seminar Series, 2008.
9. "An Ecological Study of Cancer Mortality Rates in High Altitude Counties of the United States." SER Annual Meeting, Seattle, WA, 2010.
10. "Time-dependent measures in a benefit-risk assessment of drug exposure using pharmacy claims." Non-Clinical Biostatistics Annual Meeting, Villanova, PA, 2013.
11. "Biostatistics: Using Data to Improve Health." Slippery Rock University, Math Department, Slippery Rock, PA, 2017.
12. "Incorporating Specifications Grading Into a Biostatistics Capstone Course." Conference on Teaching and Learning in Higher Education, LaRoche University, Pittsburgh, PA, 2019.
13. "Creating a Capstone Course to Meet the Thesis Milestone in a Masters Program in Biostatistics." Conference on Teaching and Learning in Higher Education, LaRoche University, Pittsburgh, PA, 2019.

8. Non-Print Media

1. None

9. Other Publications

1. Marsh GM, Gula MJ, **OWENS AD**. Worker Notification Profile: Non-asbestiform talc miners and millers. NIOSH Technical report, June 1992.
2. Marsh GM, Stone RA, **OWENS AD**. Analysis of TCE registry data. ATSDR Technical report, October 1992.

3. Marsh GM, Stone RA, **YOUK AO**, Henderson VL, Schall LC, Wayne LA, Lee KY. NAIMA mortality surveillance program for the U.S. cohort of fiberglass, rock wool and slag wool workers: mortality patterns among rock wool and slag wool workers-1989 update. Final report to the North American Insulation Manufacturers Association, January 1996.
4. Marsh GM, **YOUK AO**, Stone RA. A Reanalysis of the NCI-NIOSH Mortality Study of Industrial Workers Exposed to Acrylonitrile. Report submitted to the Acrylonitrile (AN) Group, February 1998.
5. Marsh GM, **YOUK AO**, Buchanich JM, Esmen NA. Mortality Patterns among Employees of the Eli Lilly & Co., Clinton, IN Plant. Final Report submitted to Eli Lilly & Co., October 1998.
6. Talbott EO, **YOUK AO**, McHugh K, Engberg RA, Murphy BP. Long-term follow-up of the Three Mile Island Population. Progress Report submitted to the Three Mile Island Public Health Fund, May 1999.
7. Talbott EO, Zhang A, **YOUK AO**, McHugh-Pemu KP, Zborowski JV, Re: Collision of Evidence and Assumptions: TMI Deja View. Response to a Letter to the Editor. EHP, 2001; 109(1):498-500.
8. Talbott EO, **YOUK AO**, Pemu-McHugh K. Long-term follow-up of the Three Mile Island Population. Final Report submitted to the Three Mile Island Public Health Fund, July 2001.
9. Marsh GM, **YOUK AO**, Buchanich JM: Cohort Mortality of the Wallingford, Connecticut Plant. Additional Investigations of Pharyngeal Cancers. Technical Report Submitted to Cytec Industries, Inc., March 2001.
10. Marsh GM, Gula MJ, **YOUK AO**, Schall LC: Bladder Cancer among Employees of the BP Chemicals Lima Ohio Facility. Technical Report Submitted to BP Chemicals, May 2001.
11. Marsh GM, **YOUK AO**, Buchanich JM: Cohort Mortality Study of Workers of the GenCorp Lawrence, Massachusetts Plastics Producing Plant. Technical Report Submitted to TERRA, Inc., May 2001.
12. Marsh GM, **YOUK AO**, Stone RA, Buchanich JM, Gula MJ. Re: Historical Cohort Study of US Man-Made Vitreous Fiber Production Workers. Response to a Letter to the Editor. J Occ Env Med 2002; 44(44)107-108.
13. Marsh GM, Buchanich JM, **YOUK AO**. Mortality Surveillance and Epidemiologic Support Program for Owens Corning, 2002 Demonstration Report. Technical Report Submitted to Owens Corning, December 2002.
14. Marsh GM, **YOUK AO**, Buchanich JM. Mortality Surveillance and Epidemiologic Support Program for Solutia, Inc. Report for a 13-Plant Aggregate. Technical Report Submitted to Solutia, Inc., January 2003.
15. Marsh GM, Buchanich JM, **YOUK AO**. Mortality Surveillance and Epidemiologic Support Program for Owens Corning, 2004 Project Report. Technical Report Submitted to Owens Corning, December 2004.

16. Marsh GM, Buchanich JM, **YOUK AO**. Mortality Surveillance and Epidemiologic Support Program for Owens Corning, 2005 Project Report. Technical Report Submitted to Owens Corning, December 2005.
17. Marsh GM, **YOUK AO**, Morefeld P. Mis-Specified and Non-Robust Mortality Risk Models for Nasopharyngeal Cancer in the National Cancer Institute Formaldehyde Worker Cohort Study. Technical Report Submitted to the European Chemical Industry Council (CEFIC), February 2006.
18. Marsh GM, Buchanich JM, **YOUK AO**. Mortality Patterns Among a Cohort of US Petroleum Refinery Workers: Updated Follow-Up. Technical Report Submitted to BP, April 2006.
19. Marsh GM, Esmen NA, Buchanich JM, **YOUK AO**. Copperhill Cohort Mortality Study Update - Final Report - Phase IV. Technical Report Submitted to NIOSH, April 2006.
20. Marsh GM, Buchanich JM, **YOUK AO**. Mortality Surveillance and Epidemiologic Support Program for Owens Corning, 2006 Project Report. Technical Report Submitted to Owens Corning, December 2006.
21. Marsh GM, **YOUK AO**, Buchanich JM. BP Whiting Refinery Epidemiology Study: Final Report. Technical Report Submitted to BP, July 2006.
22. Marsh GM, Esmen NA, Buchanich JM, **YOUK AO**: Copperhill Cohort Mortality Study Update: Final Report (Phase IV). Technical Report Submitted to National Institute of Occupational Safety and Health (NIOSH), March 2007.
23. Marsh GM, Buchanich JM, **YOUK AO**. Mortality Surveillance and Epidemiologic Support Program for Owens Corning, 2007 Progress Report. Technical Report Submitted to Owens Corning, December 2007.
24. **YOUK AO**, Cunningham M. Study of Mortality Rates in High Altitude Counties in the United States. Progress Report Submitted to Amgen, Inc., March 2008.
25. Marsh GM, Buchanich JM, **YOUK AO**. Mortality Surveillance and Epidemiologic Support Program for Owens Corning: 2008 Project Report. Technical Report Submitted to Owens Corning, December 2008.
26. Marsh GM, **YOUK AO**. Mortality Patterns among Italian Asbestos Cement Workers in the Eternit Casale Plant during the“Swiss Period” (1974-1986). Final Report submitted to Schellenberg Wittmer, February 2009.
27. Marsh GM, Buchanich JM, **YOUK AO**. National Toxicology Program Draft Background Document on Glass Wool Fibers. Technical Report for presentation at the NTP Report on Carcinogens, Expert Panel Meeting, May 2009.
28. Marsh GM, **YOUK AO**, Buchanich JM. Comments on EPA’s Draft Toxicological Review of Chloroprene Non-Cancer and Cancer Risk Assessments Developed for IRIS. Submitted for IRIS Expert Panel Meeting, November 2009.
29. Esmen NA, **YOUK AO**, Marsh GM. Investigation of Faulty Relationships Between Real and Surrogate Exposures. Final Report submitted to Mining Awareness Resource Group (MARG), February 2012.

30. Marsh GM, Buchanich JM, **YOUK AO**, Downing S. Mortality Surveillance and Epidemiologic Support Program for Owens Corning: 2012 Project Report. Technical Report Submitted to Owens Corning, December 2012.
31. Marsh GM, Youk AO, Roggli VL. Letter to the editor in response to Finkelstein et al. Inhalation toxicology, 2012;24(2):141-2.
32. Buchanich, JM; **YOUK, AO**; Talbott, EO; Potter, AN; Marshall, LP. ARIES Technical Bulletin No. 2: MORTALITY RATES IN APPALACHIAN COAL MINING COUNTIES, April 2013.
33. Benhayon D, **YOUK AO**, McCarthy FN, Davis S, Keljo DJ, Bousvaros A, Fairclough D, Kupfer D, Buysse DJ, Szigethy EM. Response to: Relationship Between Sleep and Disease Activity in Pediatric Depressed Patients with Crohn's Disease. JPGN 2014, 58(5):51.
34. Buchanich, JM, Balmert LC; **YOUK AO**, Wooley SM, Talbott EO. Response to: The Ecological Fallacy May Have Severely Biased the Findings. JOEM 2015, 57(2): pgs e13–e14.

3. Service (Professionally Related)

a. University/Institute of Higher Learning

Years	Committee	Position
1993	University of Pittsburgh, Graduate School of Public Health, Information Booth at the American Public Health Association Annual Meeting, San Francisco, CA	Student Representative (selected)
1993	Student committee for Graduate School of Public Health Re-Accreditation	Member
1995	Statistics Education through Quantitative Literacy (SEQual) Workshop, Slippery Rock University	Participant
1996	Statistics Education through Quantitative Literacy (SEQual) Workshop, Indiana University of Pennsylvania	Participant
1997	Committee for the Distance Education Certificate Program	Member
1998	Health Sciences Library System Advisory Committee	Member
1998	Local Arrangements Committee, The International Biometric Society ENAR Spring Meetings	Member
1998	1999 Association of Schools of Public Health/Center for Disease Control Public Health System Fellowship Program	Reviewer
2000-01	GSPH Capstone Course (Roundtable Case Series Lecture Class) Committee	Member
2001-2011	Departmental Ph.D. Applied Qualifying Exam Committee	Member

Years	Committee	Position
2004	GSPH Dean's Day	Judge
2005	Departmental Committee to Evaluate Master's Comprehensive Examination	Member
2006-2012	Departmental Committee for Student Events	Member
2006-07	Departmental Committee to Evaluate Biostatistics Consulting Course	Member
2006-07	Departmental Committee to Evaluate Master's Program	Member
2007-2017	ASPH/CDC/ATSDR Fellowship/Internship Programs	Reviewer
2007-2012	Departmental MS/MPH Program Committee	Member
2007-2012	Departmental MS/MPH Exam Committee	Chair
2008	Accepted Applicants Day Committee	Member
2008	Dean's Day Delta Omega Poster Competition	Judge
2009-2011	Departmental Committee to Evaluate Ph.D. Program	Member
2010-date	Dean's Day Poster Competition	Judge
2011-date	Departmental Ph.D. Qualifying Exam Committee	Member
2011-2015 2019	Departmental Ph.D. Applied Qualifying Exam Committee	Chair
2015-date	Departmental Ph.D. Applied Qualifying Exam Committee	Member
2012-date	Departmental Social Events Committee	Member
2012-date	Departmental MS/MPH Program Committee	Chair
2011-date	University of Pittsburgh, Committee for Women in Medicine and Science	Member
2011-2014	GSPH, EPCC	Alt.Member
2012-date	Departmental MS/MPH Exam Committee	Member/Grader
2013-date	Departmental, Curriculum Committee	Member
2014-date	GSPH, MPH Program Committee	Member
2016-date	GSPH, Faculty Appointments, Promotions and Tenure Committee (FAPTC)	Member
2017-date	Epidemiology Department, PhD Preliminary Exam Committee, Biostatistics subcommittee	Member
2018-date	Committee for Improvements to MS Program	Chair
2019	GSPH, student recruitment (Indiana University of Pennsylvania, West Virginia University, Pitt Majors and Minors)	Recruiter
2019-date	GSPH, Dean Search Committee	Member

Years	Committee	Position
2019-date	The Consortium for the Advancement of Undergraduate Statistics Education (CAUSE) and the American Statistical Association (ASA), Undergraduate Statistics Project Competition and Electronic Undergraduate Statistics Research Conference (USPROC)	Reviewer
2019-2020	ASA Mentoring Program	Mentor
2020	Data Science for Public Health Summit, Columbia Mailman School of Public Health, New York City, NY	GSPH Representative

b. Editorial Boards, Editorships

Date	Position	Organization
2011-2014	Editor	The Scientific World Journal
2014	Editor	Advances in Medicine Journal

c. Manuscript and Other Document/Publication Review

Dates	Journal Title
1998-02	Cleft Palate-Craniofacial Journal
1999-date	Environmental Health Perspectives
1998	Occupational and Environmental Medicine
2000	Cancer Detection and Prevention
2000	International Journal of Epidemiology
2000	Agency for Toxic Substances and Disease Registry
2004	European Journal of Epidemiology
2006	Circulation
2008	American Journal of Epidemiology
2009	Environmental Health Perspectives
2009	Circulation
2010	Circulation
2011	Circulation
2012	Circulation
2013	Substance Abuse
2013	Environmental Pollution
2013	Circulation
2014	Circulation
2015	Circulation

Dates	Journal Title
2016	Circulation
2016	Thorax
2017	PLOS One
2018	PLOS One
2019	High Altitude Medicine and Biology
2020	Statistical Methods in Medical Research

d. Study Sections, Review Panels, and Related Advisory Boards

Date	Position	Organization and Nature of Activity
2009-2017	Reviewer	ASPH/CDC Allan Rosenfield Global Health Fellowship Program Objective Review
2014-date	Scientific Reviewer	Addressing Disparities Study Section, PCORI Merit Review
2017	Invited Scientific Reviewer	Management of Care Transitions for Emerging Adults with Sickle Cell Disease, special PCORI Merit review panel
2018	Invited Scientific Reviewer	Pragmatic Clinical Studies PCORI Merit review panel
2019	Invited Scientific Reviewer	National Institute on Drug Abuse (NIDA), Review Panel for NOT-DA-19-022: NIDA Applications to Establish an Addiction Medicine Practice Based Research Network to Address the National Opioid Crisis
2019	Invited Scientific Reviewer	National Institute on Drug Abuse (NIDA) for RFA-DA-20-016: National Institute on Drug Abuse (NIDA)'s National Early Warning System (NDEWS): U01 - Special Emphasis Panel/Scientific Review Group 2020/01 ZDA1 HXO-H (23) R
2019	Invited Scientific Reviewer	VA Pittsburgh's Human Engineering Research Laboratories Center Pilot Funding Program for 2020

e. Leadership in Professional Organizations and Honorary Societies

Date	Position	Organization
1999	National Delegate	Delta Omega National Honor Society in Public Health

Date	Position	Organization
2004	Chair, Local Arrangements Committee	The International Biometric Society, ENAR Spring Meetings
2004-2005	President	Delta Omega National Honor Society in Public Health

f. Service to Governmental and Other Public Organizations

Date	Position	Type of Service and/or Agency
None		

g. Consultantships

Date	Name of Statistical Consultantship
1991-92	Department of Obstetrics and Gynecology, Magee Women's Hospital, Pittsburgh, PA.
1992	Agency for Toxic Substances and Disease Registry (ATSDR), Atlanta, GA.
1995	Atlantic Ritchfield Company (ARCO), Los Angeles, CA.
1996-01	Cytec Industries, Inc, West Paterson, NJ.
1996	Western Pennsylvania Hospital, Pittsburgh PA.
1996	Environmental Health Strategies, Inc., Menlo Park, CA.
1997-98	Chemical Industry Institute of Toxicology, Research Triangle Park, NC.
1997-06	BP-AMOCO, Chicago, IL.
1997-98	Showa Denko America, Inc., New York, NY.
1998-07	National Academy of Sciences, Washington, DC.
1999-01	TERRA, Inc., Tallahassee, FL.
1999-02	DOW Chemical/ DOW Corning Company, Midland, MI.
1999-01	State of New Jersey, Department of Health and Senior Services
2001-04	Gateway Health Plan, Pittsburgh, PA.
2001-06	Merck, Inc., Rahway, NJ.
2002-06	Certainfeed, Valley Forge, PA.
2004-06	FETEG, Washington, DC.
2005-06	DOW Corning Company, Midland, MI
2006	CEFIC, Brussels, Belgium.

Date	Name of Statistical Consultantship
2007	Global Aim Health, Washington, DC.
2008-09	Rohm&Haas, Springhouse, PA.
2008-11	Schellenberg Wittmer, Geneva, Switzerland.
2009	NAIMA, Alexandria, VA.
2009	DuPont, Wilmington, DE.
2009-11	Davies, McFarland & Carroll, Pittsburgh, PA.
2010-11	Kirkland & Ellis, Chicago, IL.