

CURRICULUM VITAE
Jeanine M Buchanich, M.Ed., M.P.H., Ph.D.
University of Pittsburgh

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Citizenship:	USA		

EDUCATION and TRAINING

Undergraduate

1989 - 1993	University of Pittsburgh Pittsburgh, PA	BS Psychology
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Graduate

1993 - 1998	University of Pittsburgh Graduate School of Public Health Pittsburgh, PA	MPH Epidemiology Nancy Day
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1994 - 1996	University of Pittsburgh School of Education Pittsburgh, PA	MEd School Counseling
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1999 - 2007	University of Pittsburgh Graduate School of Public Health Pittsburgh, PA	PhD Epidemiology Thomas Songer
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APPOINTMENTS and POSITIONS

Academic

2016 – Present	Graduate School of Public Health University of Pittsburgh Pittsburgh, PA	Research Associate Professor Biostatistics
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2008 - 2016	Graduate School of Public Health University of Pittsburgh Pittsburgh, PA	Research Assistant Professor Biostatistics
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Non-Academic

1996 - 1998	University of Pittsburgh	Research Specialist III Biostatistics
1998 - 2000	University of Pittsburgh	Research Specialist IV Biostatistics
2000 - 2008	University of Pittsburgh	Research Specialist V Biostatistics
2008 - Present	Center for Occupational Biostatistics and Epidemiology Graduate School of Public Health	Deputy Director

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

1998 - Present	Member, Society of Epidemiological Research
2006 - 2010	Member, Society for Neuro-Oncology
2010 - Present	Elected Member, American College of Epidemiology
2010 - Present	Member, International Society for Environmental Epidemiology
2012 - Present	Member, American Statistical Association
2014 - Present	Member, American Public Health Association
2019 - Present	Elected Member, International Statistical Institute

HONORS and AWARDS

1989 - 1993	Chancellor's Scholar, Full Scholarship, University of Pittsburgh
1990 - 1993	Scholar, Golden Key National Honor Society
1995 - 1996	Scholar, Chi Sigma Iota National Honor Society in Counseling
2011	Hewlett International Grant Program Award, University Center for International Studies
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
2018	Delta Omega National Honor Society in Public Health Inductee
2020	Dr. James L. Craig Endowed Excellence in Education Award Nominee

PUBLICATIONS

Peer-reviewed Publications (*denotes student-advisee author)

1. Schall LC, **Buchanich JM**, Marsh GM, Bittner GM. Utilizing multiple vital status tracing services optimizes mortality follow-up in large cohort studies. *Annals of epidemiology*. 2001 Jul; 11 (5):292-6. PMID: 11399442.
2. Marsh GM, **Buchanich JM**, Youk AO. Historical cohort study of US man-made vitreous fiber production workers: VI. Respiratory system cancer standardized mortality ratios adjusted for the confounding effect of cigarette smoking. *Journal of occupational and environmental medicine / American College of Occupational and Environmental Medicine*. 2001 Sep; 43 (9):803-8. PMID: 11561363.
3. **Buchanich JM**, Marsh GM, Youk AO. Historical cohort study of US man-made vitreous fiber production workers: V. Tobacco-smoking habits. *Journal of occupational and environmental medicine / American College of Occupational and Environmental Medicine*. 2001 Sep; 43 (9):793-802. PMID: 11561362.
4. Marsh GM, Youk AO, Stone RA, **Buchanich JM**, Gula MJ, Smith TJ, Quinn MM. Historical cohort study of US man-made vitreous fiber production workers: I. 1992 fiberglass cohort follow-up: initial findings. *Journal of occupational and environmental medicine / American College of Occupational and Environmental Medicine*. 2001 Sep; 43 (9):741-56. PMID: 11561358.
5. Marsh GM, Gula MJ, Youk AO, **Buchanich JM**, Churg A, Colby TV. Historical cohort study of US man-made vitreous fiber production workers: II. Mortality from mesothelioma. *Journal of occupational and environmental medicine / American College of Occupational and Environmental Medicine*. 2001 Sep; 757-66.
6. Smith TJ, Quinn MM, Marsh GM, Youk AO, Stone RA, **Buchanich JM**, Gula MJ. Historical cohort study of US man-made vitreous fiber production workers: VII. Overview of the exposure assessment. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*. 2001 Sep; 43 (9):809-23. PMID: 11561364.
7. Stone RA, Youk AO, Marsh GM, **Buchanich JM**, McHenry MB, Smith TJ. Historical cohort study of US man-made vitreous fiber production workers: IV. Quantitative exposure-response analysis of the nested case-control study of respiratory system cancer. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*. 2001 Sep; 43 (9):779-92. PMID: 11561361.
8. Youk AO, Marsh GM, Stone RA, **Buchanich JM**, Smith TJ. Historical cohort study of US man-made vitreous fiber production workers: III. Analysis of exposure-weighted measures of respirable fibers and formaldehyde in the nested case-control study of respiratory system cancer. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*. 2001 Sep; 43 (9):767-78. PMID: 11561360.
9. Quinn MM, Smith TJ, Youk AO, Marsh GM, Stone RA, **Buchanich JM**, Gula MJ. Historical cohort study of US man-made vitreous fiber production workers: VIII. Exposure-specific job analysis. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*. 2001 Sep; 43 (9):824-34. PMID: 11561365.
10. Marsh GM, Youk AO, Stone R, **Buchanich JM**, Gula MJ, Smith TJ, Churg A, Colby TV. Does Fiber Glass Pose a Respiratory Cancer Risk in Man? Findings from the Latest Update of the U.S. Cohort Study of Man-Made Vitreous Fiber Workers. *Annals of Occupational*

- Hygiene. 2002; 46:110-114.
11. Marsh GM, Youk AO, **Buchanich JM**, Cassidy LD, Lucas LJ, Esmen NA, Gathuru IM. Pharyngeal cancer mortality among chemical plant workers exposed to formaldehyde. *Toxicology and Industrial Health*. 2002 Jul; 18 (6):257-68. PMID: 14992463.
 12. Stone RA, Youk AO, Marsh GM, **Buchanich JM**, Smith TJ. Historical cohort study of U.S. man-made vitreous fiber production workers IX: summary of 1992 mortality follow up and analysis of respiratory system cancer among female workers. *Journal of occupational and environmental medicine / American College of Occupational and Environmental Medicine*. 2004 Jan; 46 (1):55-67. PMID: 14724479.
 13. Dolan DG, Youk AO, Marsh GM, **Buchanich JM**. A 50-year historical cohort mortality study of workers in a pharmaceutical plant. *Journal of occupational and environmental medicine / American College of Occupational and Environmental Medicine*. 2004 Feb; 46 (2):161-6. PMID: 14767219.
 14. Cassidy LD, **Buchanich JM**, Guice K. Comparison of Injury Severity Scoring Systems to Identify Most Relevant Variables for Inclusion in a National Trauma Registry for Children. *Journal of registry management*. 2005; 32 (1):4-10.
 15. Marsh GM, Youk AO, Esmen NA, **Buchanich JM**. Mortality patterns among workers in a US pharmaceutical production plant. *Annals of epidemiology*. 2005 Feb; 15 (2):112-22. PMID: 15652716.
 16. **Buchanich JM**, Dolan DG, Marsh GM, Madrigano J. Underascertainment of deaths using social security records: a recommended solution to a little-known problem. *American journal of epidemiology*. 2005 Jul 15; 162 (2):193-4. PMID: 15972936.
 17. Lippert JF, Lacey SE, Kennedy KJ, Esmen NA, **Buchanich JM**, Marsh GM. Magnetic field exposure in a nondestructive testing operation. *Archives of environmental & occupational health*. 2007; 62 (4):187-93. PMID: 18458022.
 18. Marsh GM, Youk AO, **Buchanich JM**, Kant IJ, Swaen G. Mortality patterns among workers exposed to acrylamide: updated follow up. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*. 2007 Jan; 49 (1):82-95. PMID: 17215717. doi: 10.1097/JOM.0b013e31802db536.
 19. Hall TA, Esmen NA, Jones EP, Basara H, Phillips ML, Marsh GM, Youk AO, **Buchanich JM**, Leonard RC. Chemical process based reconstruction of exposures for an epidemiological study. III. Analysis of industrial hygiene samples. *Chemico-biological interactions*. 2007 Mar 20; 166:277-84. PMID: 17074311.
 20. Leonard RC, Kreckmann KH, Lineker GA, Marsh G, **Buchanich JM**, Youk A. Comparison of standardized mortality ratios (SMRs) obtained from use of reference populations based on a company-wide registry cohort to SMRs calculated against local and national rates. *Chemico-biological interactions*. 2007 Mar 20; 166:317-22. PMID: 17011535.
 21. Marsh GM, Youk AO, **Buchanich JM**, Cunningham M, Esmen NA, Hall TA, Phillips ML. Mortality patterns among industrial workers exposed to chloroprene and other substances. II. Mortality in relation to exposure. *Chemico-biological Interactions*. 2007 Mar 20; 166:301-16. PMID: 17007827. doi: 10.1016/j.cbi.2006.08.012.
 22. Marsh GM, Youk AO, **Buchanich JM**, Cunningham M, Esmen NA, Hall TA, Phillips ML. Mortality patterns among industrial workers exposed to chloroprene and other substances. I. General mortality patterns. *Chemico-biological Interactions*. 2007 Mar 20; 166:285-300. PMID: 16999943. doi: 10.1016/j.cbi.2006.08.011.
 23. Esmen NA, Hall TA, Phillips ML, Jones EP, Basara H, Marsh GM, **Buchanich JM**. Chemical process-based reconstruction of exposures for an epidemiological study. Part II.

- Estimated exposures to chloroprene and vinyl chloride. *Chemico-biological Interactions*. 2007 Mar 20; 166:264-76. PMID: 16989794. doi: 10.1016/j.cbi.2006.08.010.
24. Marsh GM, Youk AO, **Buchanich JM**, Erdal S, Esmen NA. Work in the metal industry and nasopharyngeal cancer mortality among formaldehyde-exposed workers. *Regulatory Toxicology and Pharmacology : RTP*. 2007 Aug; 48 (3):308-19. PMID: 17544557. doi: 10.1016/j.yrtph.2007.04.006.
 25. Cassidy LD, Cunningham M, **Buchanich JM**, Marsh GM, Guice K. Proposed Sampling Plan for a National Trauma Registry for Children. *Journal of registry management*. 2008; 35:113-119.
 26. **Buchanich JM**, Cassidy LD, Guice K. National Trauma Registry for Children Project: A National Hospital Survey. *Journal of registry management*. 2008; 35:12-17.
 27. Marsh GM, **Buchanich JM**, Youk AO, Cunningham MA, Lieberman FS, Kennedy KJ, Lacey SE, Hancock RP, Esmen NA. Long-term health experience of jet engine manufacturing workers: II. Total and cause-specific mortality excluding central nervous system neoplasms. *Journal of occupational and environmental medicine / American College of Occupational and Environmental Medicine*. 2008 Oct; 50 (10):1117-29. PMID: 18849757.
 28. Marsh GM, **Buchanich JM**, Youk AO, Cunningham MA, Lieberman FS, Kennedy KJ, Lacey SE, Hancock RP, Esmen NA. Long-term health experience of jet engine manufacturing workers: I. Mortality from central nervous system neoplasms. *Journal of occupational and environmental medicine / American College of Occupational and Environmental Medicine*. 2008 Oct; 50 (10):1099-116. PMID: 18849756.
 29. **Buchanich JM**, Youk AO, Marsh GM, Bornemann Z, Lacey SE, Kennedy KJ, Hancock RP, Esmen NA, Lieberman FS. Methodological issues in a retrospective cancer incidence study. *American journal of epidemiology*. 2009 Jul 1; 170 (1):112-9. PMID: 19414497.
 30. Youk AO, **Buchanich JM**, Marsh GM, Cunningham M, Esmen NA. Pharmaceutical production workers and the risks of mortality from respiratory system cancer and lymphatic and hematopoietic tissue cancers. *Journal of occupational and environmental medicine / American College of Occupational and Environmental Medicine*. 2009 Aug; 51 (8):903-15. PMID: 19620890.
 31. Marsh GM, Esmen NA, **Buchanich JM**, Youk AO. Mortality patterns among workers exposed to arsenic, cadmium, and other substances in a copper smelter. *American Journal of Industrial Medicine*. 2009 Aug; 52 (8):633-44. PMID: 19533624. doi: 10.1002/ajim.20714.
 32. Marsh GM, **Buchanich JM**, Youk AO, Cunningham MA, Lieberman FS, Kennedy KJ, Lacey SE, Hancock RP, Esmen NA, Fleissner ML. Long-term health experience of jet engine manufacturing workers: III. Incidence of malignant central nervous system neoplasms. *Neuroepidemiology*. 2010 Aug; 35 (2):123-41. PMID: 20523076.
 33. **Buchanich JM**, Youk AO, Marsh GM, Kennedy KJ, Esmen NA, Lacey SE, Hancock R, Cunningham MA, Lieberman FS, Fleissner ML. Long-term health experience of jet engine manufacturing workers: IV. A comparison of central nervous system cancer ascertainment using mortality and incidence data. *Annals of epidemiology*. 2010 Oct; 20 (10):759-65. PMID: 20816315.
 34. Marsh GM, **Buchanich JM**, Youk AO. Fiber glass exposure and human respiratory system cancer risk: lack of evidence persists since 2001 IARC re-evaluation. *Regulatory toxicology and pharmacology : RTP*. 2011 Jun; 60 (1):84-92. PMID: 21345360.
 35. **Buchanich JM**, Youk AO, Marsh GM, Kennedy KJ, Lacey SE, Hancock RP, Esmen NA, Cunningham MA, Lieberman FS, Fleissner ML. Long-term health experience of jet engine

- manufacturing workers: V. Issues with the analysis of non-malignant central nervous system neoplasms. *Journal of registry management*. 2011 Oct; 38 (3):115-9. PMID: 22223053.
37. Youk AO, **Buchanich JM**, Fryzek J, Cunningham M, Marsh GM. An ecological study of cancer mortality rates in high altitude counties of the United States. *High altitude medicine & biology*. 2012 Jun; 13 (2):98-104. PMID: 22724612.
 38. *Cooper JN, **Buchanich JM**, Youk A, Brooks MM, Barinas-Mitchell E, Conroy MB, Sutton-Tyrrell K. Reductions in arterial stiffness with weight loss in overweight and obese young adults: potential mechanisms. *Atherosclerosis*. 2012 Aug; 223 (2):485-90. PMCID: PMC3411893. PMID: 22703865. doi: 10.1016/j.atherosclerosis.2012.05.022.
 39. Talbott E, Brink LL, Marshall LP, **Buchanich JM**. Population and Exposure Characteristics of Coal Mining and Non-Coal Mining Counties in West Virginia. *SME Transactions*. 2013 Apr.
 40. **Buchanich JM**, Talbott E, Youk AO, *Potter AN, Marshall LP. Comparison of Mortality Rates between Appalachian Coal Mining Counties with Non-Coal Mining. In: Craynon JR, editor. *Environmental Considerations in Energy Productions*. Environmental Considerations in Energy Productions; 2013 Apr 14-18; Charleston, WV Englewood, CO: Soc. Mining Met. & Explor.; 2013 Apr. p.189-201.
 41. Youk AO, Marsh GM, **Buchanich JM**, Downing S, Kennedy KJ, Esmen NA, Hancock RP, Lacey SE. Long-term health experience of jet engine manufacturing workers: IX. further investigation of general mortality patterns in relation to workplace exposures. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*. 2013 Jun; 55 (6):709-21. PMID: 23715112. doi: 10.1097/JOM.0b013e318289eeba.
 42. Marsh GM, Youk AO, **Buchanich JM**, Downing S, Kennedy KJ, Esmen NA, Hancock RP, Lacey SE, Pierce JS, Fleissner ML. Long-term health experience of jet engine manufacturing workers: VIII. Glioblastoma incidence in relation to workplace experiences with parts and processes. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*. 2013 Jun; 55 (6):690-708. PMID: 23715111. doi: 10.1097/JOM.0b013e3182871583.
 43. Marsh GM, **Buchanich JM**, Youk AO, Downing S, Esmen NA, Kennedy KJ, Lacey SE, Hancock RP, Fleissner ML, Lieberman FS. Long-term health experience of jet engine manufacturing workers: results from a 12-year exploratory investigation. *J Occup Environ Med Jun 2013*; 55(6): 652-3. doi: 10.1097/JOM.0b013e3182851605.
 44. Marsh GM, Youk AO, **Buchanich JM**, Xu H, Downing S, Kennedy KJ, Esmen NA, Hancock RP, Lacey SE, Fleissner ML. Long-term health experience of jet engine manufacturing workers: VI: incidence of malignant central nervous system neoplasms in relation to estimated workplace exposures. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*. 2013 Jun; 55 (6):654-75. PMID: 23715109. doi: 10.1097/JOM.0b013e3182749c4a.
 45. Kennedy KJ, Esmen NA, Hancock RP, Lacey SE, Marsh GM, **Buchanich JM**, Youk AO. Long-term health experience of jet engine manufacturing workers: VII: occupational exposures. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*. 2013 Jun; 55 (6):676-89. PMID: 23715108. doi: 10.1097/JOM.0b013e3182717e8f.
 46. Moreau JF, **Buchanich JM**, Geskin JZ, Akilov OE, Geskin LJ. Non-random geographic distribution of patients with cutaneous T-cell lymphoma in the Greater Pittsburgh Area. *Dermatology Online Journal*. 2014 Jul; 20 (7). PMID: 25046454.

47. Brink LL, Talbott EO, Stacy S, Marshall LP, Sharma RK, **Buchanich JM**. The Association of Respiratory Hospitalization Rates in WV Counties, Total, Underground, and Surface Coal Production and Sociodemographic Covariates. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*. 2014 Nov; 56 (11):1179-88. PMID: 25376413. doi: 10.1097/JOM.0000000000000246.
48. **Buchanich JM**, *Balmert LC, Youk AO, *Woolley SM, Talbott EO. General mortality patterns in Appalachian coal-mining and non-coal-mining counties. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*. 2014 Nov; 56 (11):1169-78. PMID: 25376412. doi: 10.1097/JOM.0000000000000245.
49. **Buchanich JM**, Mertz KJ, Washington TL, Logue JN, Marchetto D, Roda PI, Irvin-Barnwell E. Updated and expanded study of polycythemia vera and other myeloproliferative neoplasms in the tri-county area. *J Registry Manag*. 2014 Winter;41(4):175-81. PubMed PMID: 25803630.
50. Talbott E, Stacy S, Brink LL, Sharma R, **Buchanich JM**. Is there an Association of Circulatory Hospitalizations independent of Mining Employment in Coal Mining and Non-Coal Mining Counties in West Virginia? *Journal of Occupational and Environmental Medicine*. 2015 Apr;57(4):e30-6. doi: 10.1097/JOM.0000000000000425. PubMed PMID: 25851190.
51. *Woolley SM, Meacham SL, *Balmert LC, Talbott EO, **Buchanich JM**. Comparison of Mortality Disparities in Central Appalachian Coal- and Non-Coal-Mining Counties. *Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine*. 2015 Mar 23. PMID:25806416. doi:10.1097/JOM.0000000000000435.
52. Mertz KJ, **Buchanich JM**, Washington TL, Irvin-Barnwell EA, Woytowicz DV, Smith RE. Chronic myelogenous leukemia in eastern Pennsylvania: an assessment of registry reporting. *Journal of Registry Management*. 2015;42(1):9-11. PMID:25961786.
53. *Balmert LC, Youk AO, *Woolley SM, Talbott EO, **Buchanich JM**. Heart disease mortality in Appalachian coal-mining counties. *SM Journal of Public Health and Epidemiology*. 2015 :1(1):1002-1006.
54. *Balmert LC, Youk AO, *Woolley SM, Talbott EO, **Buchanich JM**. Respiratory System Cancer, Chronic Obstructive Pulmonary Disease, and Non-Malignant Respiratory Disease Mortality in Appalachian Coal Mining and Non-Coal Mining Counties. *SME Transactions*. 2015; 1(1).
55. **Buchanich JM**, Talbott EO, *Balmert LC, *Woolley SM, Youk AO. Disparities in Diabetes Mellitus Mortality Rates in Coal Mining and Non-Coal Mining Areas of Appalachia. *SME Transactions*. 2015.
56. *Woolley SM, Youk AO, Bear TS, *Balmert LC, Talbott EO, **Buchanich JM**. Impact of Coal Mining on Self-Rated Health among Appalachian Residents. *Journal of Environmental and Public Health*. vol. 2015, Article ID 501837, 6 pages, 2015. doi:10.1155/2015/501837.
57. *Ferguson AA, Bilonick RA, **Buchanich JM**, Marsh GM, Fisher AL. How well do raters agree on the development stage of *Caenorhabditis elegans*? *PLOS One*. 2015 Jul 14;10(7) doi:10.1371/journal.pone.0132365.
58. Gathuru IM, **Buchanich JM**, Dolan D, Marsh GM. Health Hazards in the Pharmaceutical Industry. *Pharmaceutical Regulatory Affairs*. 2015, 4:145. doi:10.4172/2167-7689.1000145.

59. *Balmert LC, **Buchanich JM**, Pringle JL, Williams KE, Burke DS, Marsh GM. Patterns and Trends in Accidental Poisoning Deaths: Pennsylvania's Experience 1979-2014. *PLOS One*. 2016; 11(3): e0151655. Doi:10.1371/journal.pone.015655.
60. **Buchanich JM**, *Balmert LC, Pringle JL, Williams KE, Burke DS, Marsh GM. Patterns and Trends in Accidental Poisoning Death Rates in the United States, 1979-2014. *Preventive Medicine*. 2016 April. Doi: 10.1016/j.uptmed.2106.04.007.
61. Wallner P, Kundi M, Moshammer H, Zimmerman SD, **Buchanich JM**, Marsh GM. Mortality among hardmetal production workers: A retrospective cohort study in the Austrian hardmetal industry. *Journal of Occupational and Environmental Medicine*. 2017; DOI: 10.1097/JOM.0000000000001046.
62. Morfeld P, Gross JV, Erren T, Noll B, Yong M, Kennedy KJ, Esmen NA, Zimmerman SD, **Buchanich JM**, Marsh GM. Mortality among hardmetal production workers: German Historical Cohort Study. *Journal of Occupational and Environmental Medicine*. 2017; DOI: 10.1097/JOM.0000000000001061.
63. Marsh GM, **Buchanich JM**, Zimmerman SD, Liu Y, Balmert LC, Esmen NA, Kennedy KJ. Mortality among Hard Metal Production Workers: US Cohort and Nested Case-Control Studies. *Journal of Occupational and Environmental Medicine*. 2017; DOI: 10.1097/JOM.0000000000001075.
64. Kennedy KJ, Esmen NA, **Buchanich JM**, Zimmerman SD, Sleuwehoek AJ, Marsh GM. Mortality among hardmetal production workers: Occupational Exposures. *Journal of Occupational and Environmental Medicine*. 2017; DOI: 10.1097/JOM.0000000000001068.
65. Esmen NA, Svartengren M. Mortality among hardmetal production workers: Swedish measurement data and exposure assessment. *Journal of Occupational and Environmental Medicine*. 2017; DOI: 10.1097/JOM.0000000000001147.
66. Marsh GM, **Buchanich JM**, Zimmerman SD, Liu Y, Balmert LC, Graves J, Esmen NA, Kennedy KJ, Moshammer H, Morfeld P, Erren T, Groen JV, Yong M, Svartengren M, Westberg H, McElvenny D, Cherrie J. Mortality among Hard Metal Production Workers: Pooled Analysis of Cohort Data from an International Investigation. *Journal of Occupational and Environmental Medicine*. 2017; DOI: 10.1097/JOM.0000000000001151.
67. Svartengren M, Bryngelsson I, Marsh GM, **Buchanich JM**, Zimmerman SD, Kennedy KJ, Esmen NA, Westberg H. Cancer incidence among hardmetal production workers: The Swedish cohort. *Journal of Occupational and Environmental Medicine*. 2017; DOI: 10.1097/JOM.0000000000001147.
68. McElvenny DM, MacCalman L, Sleuwehoek A, Davis A, Miller B, Alexander C, Cowie H, Cherrie J, Kennedy KJ, Esmen NA, Zimmerman SD, **Buchanich JM**, Marsh GM. Mortality among hardmetal production workers: UK Cohort and Nested Case-Control Studies. *Journal of Occupational and Environmental Medicine*. 2017; doi: 10.1097/JOM.0000000000001036.
69. *Creppage K, Yohannan J, Williams K, **Buchanich JM**, Songer T, Wisniewski S, Fabio A. The rapid escalation of fentanyl in illicit drug evidence in Allegheny County, Pennsylvania, 2010-2016. *Public Health Reports*. 2018; 133(2); 142-146.
70. **Buchanich JM**, *Wooley SM, Lann MF, Marsh GM, Burke DS. Improvement in US Racial Disparities in Years of Life Lost Since 1990. *PLOS ONE*. 2018; doi.org/10.1371/journal.pone.0194308.
71. **Buchanich JM**, *Balmert LC, Burke DS. The effect of incomplete death certificates on estimates of unintentional opioid-related overdose deaths in the united states, 1999-2015. *Public Health Reports*. 2018; DOI: 10.1177/0033354918774330.

72. Burke DS, **Buchanich JM**. Drug Overdose in Pennsylvania: Measuring, Tracking and Forecasting the Epidemic. *Commonwealth: A Journal of Pennsylvania Politics and Policy*. 2018; 20 (2-3). DOI: <http://dx.doi.org/10.15367/com.v20i2-3.186>.
73. Woolf SH, Chapman DA, **Buchanich JM**, *Bobby KJ, Zimmerman EB, Blackburn SM. Changes in midlife death rates across racial and ethnic groups in the United States: Systematic analysis of vital statistics. *British Medical Journal*. 2018; DOI: 10.1136/bmj.k3096.
74. Jalal H, **Buchanich JM**, Roberts MS, *Balmert LC, Zhang K, Burke DS. Changing dynamics of the drug overdose epidemic in the United States from 1979 through 2016. *Science*. 2018; DOI: 10.1126/science.aau1184 .
75. Marsh GM, **Buchanich JM**, Zimmerman SD, *Graves JL, *Liu Y. Mortality among United States Aerospace Materials Manufacturing Workers. *American Journal of Industrial Medicine*. 2019; DOI: 10.1002/ajim.22943.
76. Slavova S, Delcher C, **Buchanich JM**, Bunn TL, Goldberger BA, Costich JF. Methodological complexities in quantifying rates of fatal opioid-related overdose. *Current Epidemiology Reports*. 2019. doi.org/10.1007/s40471-019-00201-9.
77. Stacy SL, **Buchanich JM**, Ma Z, Mair C, Robertson L, Sharma RK, Talbott EO, Yuan J-M. Maternal obesity, birth size, and risk of childhood cancer development. *American Journal of Epidemiology*. 2019. doi.org/10.1093/aje/kwz118.
78. Jalal H, **Buchanich JM**, Sinclair DR, Roberts MS, Burke DS. Age and Generational Patterns of Overdose Death Risk. *Nature Medicine*. 2020; 26: 699-704. <https://doi.org/10.1038/s41591-020-0855-y>.
79. Dahiya G, Nestasie M, Power JE, *Bobby KJ, *Qing Y, Joshi AA, **Buchanich JM**, Poornima IG. Gender Based Disparity in Transcatheter Aortic Value Replacement Utilization: Insights from Nationwide Inpatient Sample 2012-2016. *Journal of Invasive Cardiology*. 2020; submitted.
80. *Creppage K, **Buchanich JM**, Williams K, Wisniewski S, Yang Y, Songer T, Yohannan J, Fabio A. Spatial Patterns of Illicit Opioid in Allegheny County, Pennsylvania, 2010-2017. *Substance Abuse*. 2020; submitted.
81. *Yi, Y, El Khoudary SR, **Buchanich JM**, Miller R, Rubinstein D, Matthews K, Orchard TJ, Costacou T. Women with Type 1 Diabetes (T1D) Experience a Shorter Reproductive Period Compared with Nondiabetic Women: The Pittsburgh Epidemiology of Diabetes Complications (EDC) Study and the Study of Women's Health Across the Nation (SWAN). *BMC Medicine*. 2020; submitted.
82. Lo-Ciganic WH, Donohue JM, Hulsey EG, Barnes S, Li Y, Kuza CC, Yang Q, **Buchanich JM**, Huang JL, Mair C, Gellad WF. Integrating social determinants of health with claims data to predict risk of opioid overdose among Medicaid beneficiaries: a machine learning approach. *Drug & Alcohol*. 2020; submitted.
83. *Tomaszewski EL, Orchard TJ, Hawkins M, Conway BN, **Buchanich JM**, Songer T, Maynard J, Costacou T. Predictors of change in skin intrinsic fluorescence in type 1 diabetes: The Epidemiology of Diabetes Complications study. *Diabetes Science and Technology*. 2020; submitted.

Books, Book Chapters, Monographs

1. **Buchanich J**, Keane CR, Lin CJ, Marsh GM, Medsgar A, Margaret A. Potter, Ricci EM, Schall L. Evaluation Study of the Community Health Project: Findings and Recommendations. Submitted to the Hon. Gary L. Gurian, Acting Secretary, Pennsylvania

Department of Health. (pp. p. 86, plus appendices; authors listed in alphabetical order).
University of Pittsburgh: Center for Public Health Practice, 1999 Apr 7.

2. **Buchanich JM**, Songer TJ, Cassidy LD, Marsh GM, Ford HR. In: A Clinical Decision-Making Rule for Mild Head Injury in Infants and Toddlers. Saarbrücken, Germany: VDM Verlag Dr. Muller Aktiengesellschaft & Co., 2008.

Reviews, Proceedings of Conferences and Symposia (not peer-reviewed), Editorials

1. Marsh GM, Youk AO, **Buchanich J**, Downing SC, Esmen NE, Kennedy K, Lacey SE, Lieberman FS. Long-Term Health Experience of Jet Engine Manufacturing Workers: Results from a 10-Year Exploratory Investigation. *Journal of Occupational and Environmental Medicine*. 2013; 55 (6):652-653.

Published Abstracts

1. Schall LC, Marsh GM, **Buchanich JM**, Bittner G. A Comparison of Three National Vital Status Tracing Services for Large Scale [abstract]. 1999; . 9:457-458.
2. Marsh GM, Youk AO, Stone RA, **Buchanich JM**, Gula MJ, Smith TJ, Churg A, Colby T. Does fiberglass pose a respiratory system cancer risk in humans? Latest findings from the US cohort and nested case-control studies. [abstract]. 2002.
3. Marsh GM, Youk AO, **Buchanich JM**, Cassidy LD, Lucas LJ, Esmen NA, Gathuru I. Formaldehyde Exposure and Respiratory Tract Cancer among Chemical Plant Workers: An Updated Cohort Study and New Nested Case-Control Study [abstract]. In: British Occupational Hygiene Society; *Annals of Occupational Hygiene*. 2003.
4. Marsh GM, Youk AO, **Buchanich JM**, Esmen NA. Mortality Patterns among Pharmaceutical Production Workers at One U.S. Site [abstract]. In: British Occupational Hygiene Society; *Annals of Occupational Hygiene*. 2004.
5. Sharma R, **Buchanich J**. Structural Covariates of Disparities in County Low Birth Weight Rates: Incorporating Spatial Effects [abstract]. 2004.
6. Marsh GM, Youk AO, **Buchanich JM**, Esmen NA. Mortality Patterns among Workers Exposed to Chloroprene and Other Substances [abstract]. In: British Occupational Hygiene Society; *Annals of Occupational Hygiene*. 2005.
7. Marsh GM, **Buchanich JM**, Lieberman FS, Youk AO, Bornemann Z, Esmen NE, Lacey SE, Kennedy K, Hancock R. An epidemiological study of brain cancer mortality and incidence among a cohort of jet engine manufacturing workers [abstract]. 2006.
8. Marsh GM, **Buchanich JM**, Lieberman FS, Youk AO, Bornemann Z, Esmen NE, Lacey SE, Kennedy K, Hancock R. An epidemiological study of brain cancer mortality and incidence among a cohort of jet engine manufacturing workers: Year 5 Study Update [abstract]. 2007.
9. Esmen NA, Hancock RP, Lacey SE, Kennedy KJ, Marsh GM, **Buchanich JM**. Exposed to Aerosol Generated in High Temperature Alloy Surface Grinding [abstract]. In: British Occupational Hygiene Society; *Annals of Occupational Hygiene*. 2007.
10. Marsh GM, **Buchanich JM**, Youk A, Cunningham M, Lieberman F, Kennedy K, Lacey S, Hancock R, Esmen N. An epidemiological study of brain cancer mortality and incidence among a cohort of jet engine manufacturing workers: total and cause specific mortality with emphasis on CNS neoplasms. [abstract]. 2008.
11. Lacey S, Horvatin S, Alcazar T, Kennedy K, Hancock R, Esmen N, **Buchanich JM**, Youk A, Cunningham M, Marsh GM, Myers D. Examination of Workers Ability to Recall

- Personal Occupational History [abstract]. In: British Occupational Hygiene Society; Annals of Occupational Hygiene. 2008.
12. **Buchanich JM**, Bornemann ZB, Marsh GM, Youk AO, Lieberman FS, Lacey SE, Kennedy KJ, Esmen NA, Hancock RH. An epidemiological study of brain cancer incidence among a cohort of jet engine manufacturing workers: methodological issues [abstract]. 2008.
 13. Esmen NE, Kennedy KJ, Marsh GM, **Buchanich JM**. Exposure to lead and arsenic in copper smelting [abstract]. In: British Occupational Hygiene Society; Annals of Occupational Hygiene. 2008.
 14. Lacey S, Kennedy K, Hancock R, Esmen N, **Buchanich JM**, Youk A, Cunningham M, Marsh GM, Lieberman F. Exposure reconstruction to inform an epidemiologic study of brain cancer mortality among a cohort of jet engine manufacturing workers: an update on findings to date. [abstract]. 2008.
 15. Kennedy K, Esmen N, **Buchanich JM**, Lacey S, Marsh GM, Youk A, Hancock R. Occupational hygiene considerations in a large retrospective epidemiology study: job dictionary. [abstract]. In: British Occupational Hygiene Society; Annals of Occupational Hygiene. 2009.
 16. Lacey S, Gundi V, Kennedy K, Hancock R, Esmen N, **Buchanich JM**, Youk A, Marsh GM. Application of GIS in occupational exposure reconstruction. [abstract]. In: British Occupational Hygiene Society; Annual of Occupational Hygiene. 2009.
 17. **Buchanich JM**, Marsh GM, Esmen NA, Youk AO, Kennedy KJ. Cerebrovascular Mortality among Arsenic-Exposed Copper Smelter Workers [abstract]. In: British Occupational Hygiene Society; Annals of Occupational Hygiene. 2009.
 18. **Buchanich JM**, Youk AO, Marsh GM, Bornemann ZB, Lacey SE, Kennedy KJ, Esmen NA. Methodological Issues in a Retrospective Cancer Incidence Study [abstract]. 2009.
 19. **Buchanich JM**, Youk AO, Marsh GM, Cunningham MA, Lieberman FS, Kennedy KJ, Esmen NA, Lacey SE, Hancock R. Methodological Issues with Non-Malignant CNS Incidence Analyses [abstract]. 2009.
 20. Marsh GM, **Buchanich JM**, Youk AO, Cunningham MA, Lieberman FS, Kennedy KJ, Esmen NA, Lacey SE, Hancock R. General Methodology for Malignant CNS Incidence Analyses [abstract]. 2009.
 21. Kennedy KJ, Lacey SE, Hancock R, Esmen NA, **Buchanich JM**, Youk AO, Cunningham MA, Marsh GM, Lieberman FS. Exposure reconstruction for epidemiologic studies of brain cancer mortality and incidence among a cohort of jet engine manufacturing workers: an update [abstract]. 2009.
 22. Youk AO, **Buchanich JM**, Marsh GM, Fryzek J. A Study of Cancer Mortality Rates in High Altitude Counties of the United States. [abstract]. 2010.
 23. **Buchanich JM**, Youk AO, Marsh GM, Bornemann ZB, Lacey SE, Kennedy KJ, Esmen NA. A Comparison of Central Nervous System Cancer Identification Using Mortality and Incidence Data [abstract]. In: Society for Epidemiological Research, Annual Meeting; American Journal of Epidemiology. 2010.
 24. **Buchanich JM**, Youk AO, Marsh GM, Bornemann Z, Lacey SE, Kennedy KJ, Esmen NA. A Comparison of Central Nervous System Cancer Identification Using Mortality and Incidence Data. [abstract]. 2010 Jun 22-25 ; Seattle, WA 2010.
 25. Marsh G, **Buchanich JM**, Zimmerman S, Kennedy K, Esmen N, Moshammer H, Morfeld P, Erren T, Svartengren M, Westberg H, McElvenny D, Cherrie J. 0269 An international historical cohort study of workers in the hard-metal industry: mid-study epidemiology update. Occupational and Environmental Medicine. 2014 Jun; 71:A96-7. PMID: 25018544.

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Other Publications

1. 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.
2. Marsh GM, Youk AO, **Buchanich JM**: Cohort Mortality Study of the Wallingford, Connecticut Plant. Additional Investigations of Pharyngeal Cancers. Technical Report Submitted to Cytex Industries, Inc., March 2001.
3. 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.
4. 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.
5. 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.
6. 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.
7. Marsh GM, Cassidy LD, **Buchanich JM**. Hospital Satisfaction Survey (Study Year 2004 - Data Year 2003). Final Report Submitted to Gateway Health Plan, January 2004.
8. Marsh GM, Cassidy LD, **Buchanich JM**. Primary Care and Specialty Care Practitioners' Survey (Study Year 2004 - Data Year 2003). Final Report Submitted to Gateway Health Plan, January 2004.
9. Marsh GM, Cassidy LD, **Buchanich JM**. Primary Care and Specialty Care Practitioners' Survey (Data Year 2004). Final Report Submitted to Gateway Health Plan, November 2004.
10. Marsh GM, Cassidy LD, **Buchanich JM**. Hospital Satisfaction Survey (Data Year 2004). Final Report Submitted to Gateway Health Plan, November 2004.
11. Marsh GM, Youk AO, **Buchanich JM**. Mortality Surveillance and Epidemiologic Support Program for Owens Corning: 2004 Project Report. Technical Report Submitted to Owens Corning, December 2004.
12. Marsh GM, Youk AO, **Buchanich JM**. Mortality Surveillance and Epidemiologic Support Program for Owens Corning: 2005 Project Report. Technical Report Submitted to Owens Corning, October 2005.
13. Marsh GM, Youk AO, **Buchanich JM**. BP Whiting Refinery Epidemiology Study: Final Report. Technical Report Submitted to BP, July 2006.
14. Marsh GM, Youk AO, **Buchanich JM**. Mortality Surveillance and Epidemiologic Support Program for Owens Corning: 2006 Project Report. Technical Report Submitted to Owens Corning, December 2006.

15. 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.
16. Marsh GM, **Buchanich JM**, Youk AO. Mortality Surveillance and Epidemiologic Support Program for Owens Corning: 2007 Project Report. Technical Report Submitted to Owens Corning, December 2007.
17. Marsh GM, Youk AO, **Buchanich JM**, Cunningham MA. Mortality Patterns among Employees of the Eli Lilly & Co., Tippecanoe, IN Plant. Technical Report Submitted to Eli Lilly and Company, December 2007.
18. Marsh GM, **Buchanich JM**, Esmen NA, Lacey SE, Kennedy KJ. Tungsten Industry Phase Two Study: Progress Report to Sponsors. Technical Report Submitted to the International Tungsten Industry Association, February 2008.
19. Marsh GM, **Buchanich JM**, Cunningham MA. Evaluation of Confounding by Smoking in Workers Exposed to Diesel Exhaust. Technical Report Submitted to the International Truck and Engine Corporation, May 2008.
20. Marsh GM, **Buchanich JM**, Esmen NA, Lacey SE, Kennedy KJ. Tungsten Industry Phase Two Study: Progress Report to Sponsors. Technical Report Submitted to the International Tungsten Industry Association, June 2008.
21. Marsh GM, **Buchanich JM**, Esmen NA, Lacey SE, Kennedy KJ. Cohort Mortality Study of Workers Exposed to Tungsten Carbide with a Cobalt Binder: Phase 2 Study Final Report and Phase 3 Study Proposal. Technical Report Submitted to the International Tungsten Industry Association, November 2008.
22. 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.
23. Marsh GM, **Buchanich JM**, Lieberman FS. The Epidemiology and Biostatistical Component of the Pratt & Whitney Cohort Mortality and Cancer Incidence Study: Progress Report to Sponsor. Technical Report Submitted to Pratt & Whitney, March 2009.
24. 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.
25. Marsh GM, **Buchanich JM**, Lieberman FS. The Epidemiology and Biostatistical Component of the Pratt & Whitney Cohort Mortality and Cancer Incidence Study: Progress Report to Scientific Advisory Council. Technical Report Submitted to Connecticut Department of Public Health, May 2009.
26. Marsh GM, **Buchanich JM**, Youk AO. Mortality Surveillance and Epidemiologic Support Program for Owens Corning: 2009 Project Report. Technical Report Submitted to Owens Corning, December 2009.
27. Marsh GM, **Buchanich JM**, Youk AO. Comments on the September 29, 2009 Draft of the IRIS Toxicological Review for Chloroprene. Technical Report for presentation at the NTP Report on Carcinogens, Expert Panel Meeting, December 2009.
28. Marsh GM, **Buchanich JM**, Youk AO. Mortality Surveillance and Epidemiologic Support Program for Owens Corning: 2010 Project Report. Technical Report Submitted to Owens Corning, February 2011.
29. **Buchanich JM**; Talbott, EO. ARIES Area 6 Community Health and Mining. Final Report, Presented to ARIES, May 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. **Buchanich JM**, Mertz, K, Washington, TL. Updated and Expanded Study of Polycythemia Vera and Other Myeloproliferative Neoplasms in the Tri-County Area: Final Report to Pennsylvania Department of Health. February 2013.
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. **Buchanich JM**, *Balmert LC, Youk AO, *Wooley SM, Talbott EO. Response to Morfeld. Journal of Occupational and Environmental Medicine / American College of Occupational and Environmental Medicine. 2015 Feb; 57 (2):e13-4. PMID: 25654528. doi: .10.1097/JOM.0000000000000397.
34. Woolf SH, Chapman DA, **Buchanich JM**, Snellings LK, *Bobby KJ, Hill L, Zimmerman EB. Why are death rates rising in the white population of California? The Role of Stress-Related Conditions. Final Report to the California Endowment. 2018 January.
35. Woolf SH, Chapman DA, **Buchanich JM**, Snellings LK, *Bobby KJ, Hill L, Zimmerman EB. Why are death rates rising in the white population of Missouri? The Role of Stress-Related Conditions. Final Report to the Sunflower Foundation. 2018 March. Woolf SH,
36. Chapman DA, **Buchanich JM**, Snellings LK, *Bobby KJ, Hill L, Zimmerman EB. Why are death rates rising in the white population of Virginia? The Role of Stress-Related Conditions. Final Report to the California Endowment. 2018 April.
37. Woolf SH, Chapman DA, **Buchanich JM**, Snellings LK, *Bobby KJ, Hill L, Zimmerman EB. Why are death rates rising in the white population of Kansas? The Role of Stress-Related Conditions. Final Report to the Sunflower Foundation. 2018 May.

RESEARCH

Current research support:

Funding Agency: Commonwealth of Pennsylvania
Title of Grant: Pennsylvania Prescription Drug Monitoring Program Evaluation
Principal Investigator: Jeanine Buchanich
Buchanich Role on Grant: Principal Investigator
Years Inclusive: 2/2020-8/2022
Percent Effort: 45%
Total Direct Costs: \$900,000

Funding Agency: Centers for Disease Control & Prevention
Title of Grant: Evaluating Problem Solving Courts as a Public Health Intervention to Prevent Opioid Overdose
Principal Investigator: Elizabeth Van Nostrand
Buchanich Role on Grant: Co-Investigator
Years Inclusive: 9/2019-9/2022
Percent Effort: 20%
Total Direct Costs: \$1,200,000

Funding Agency: Urban Institute (Noble Maseru)
Title of Grant: Understanding Life Expectancy Differences In Pittsburgh Communities
Principal Investigator: Noble Maseru
Buchanich Role on Grant: Co-Investigator
Years Inclusive: 7/2019-7/2020
Percent Effort: 10%
Total Direct Costs: \$150,000

Funding Agency: Commonwealth of Pennsylvania
Title of Grant: Pennsylvania Opioid Data Dashboard and Data Analytics
Principal Investigator: Mark Roberts
Buchanich Role on Grant: Co-Investigator
Years Inclusive: 1/2019-12/2020
Percent Effort: 15%
Total Direct Costs: \$1,200,000

Funding Agency: Richard King Mellon Foundation
Title of Grant: Machine Learning and Opioid Overdoses
Principal Investigator: Walid Gellad
Buchanich Role on Grant: Co-Investigator
Years Inclusive: 4/2018-6/2020
Percent Effort: 5%
Total Direct Costs: \$900,000

Funding Agency: Centers for Disease Control & Prevention
Title of Grant: Identification and Characterization of Potential Environmental

Risk Factors for ALS Using ATSDR ALS Registry Cases and a Control Population

Principal Investigator: Evelyn Talbott
Buchanich Role on Grant: Co-Investigator
Years Inclusive: 9/2017-12/2020
Percent Effort: 15%
Total Direct Costs: \$1,250,000

Funding Agency: Lilly Pharmaceuticals
Title of Grant: Cohort Mortality & Cancer Incidence Study of Manufacturing Workers in a Pharmaceutical Plant

Principal Investigator: Jeanine Buchanich
Buchanich Role on Grant: Principal Investigator
Years Inclusive: 6/2015–12/2020
Percent Effort: 20%
Total Direct Costs: \$500,000

Funding Agency: Chloroprene Institute
Title of Grant: Mortality Patterns Among Workers Exposed to Chloroprene
Principal Investigator: Gary Marsh
Buchanich Role on Grant: Co-I
Years Inclusive: 10/2017-12/2020
Percent Effort: 10%
Total Direct Costs: \$350,000

Past research support

Funding Agency: NIH/NIGMS
Title of Grant: The MIDAS-III Program - Computational Models of Infectious Disease Threats
Principal Investigator: Donald Burke
Buchanich Role on Grant: Co-Investigator
Years Inclusive: 7/2014-6/2019
Percent Effort: 10%
Total Amount Awarded: \$1,357,930

Funding Agency: HRSA
Title of Grant: Region 3 Public Health Training Center
Principal Investigator: Elizabeth Van Nostrand
Buchanich Role on Grant: Co-I
Years Inclusive: 9/2017-8/2019
Percent Effort: 5%
Total Amount Awarded: \$855,000

Funding Agency:

Title of Grant:
Principal Investigator:
Buchanich Role on Grant:
Years Inclusive:
Percent Effort:
Total Amount Awarded:

Funding Agency: Robert Wood Johnson Foundation
Title of Grant: The MPDS as a Public Health Decision Making Tool

Principal Investigator: Donald Burke/Jeanine Buchanich
Buchanich Role on Grant: PI (multiple)
Years Inclusive: 8/2015-7/2018
Percent Effort: 35%
Total Amount Awarded: \$797,000

Funding Agency: The California Endowment
Title of Grant: Rising Mortality in Whites
Principal Investigator: Derek Chapman (VCU)/Jeanine Buchanich (UPitt)
Buchanich Role on Grant: PI (multiple)
Years Inclusive: 7/2016 – 5/2018
Percent Effort: 10%
Total Direct Costs: \$45,000

Funding Agency: International Tungsten Industry Association
Title of Grant: Tungsten Carbide with Cobalt Binder: Phase 3 Study
Principal Investigator: Gary Marsh
Buchanich Role on Grant: Co-Investigator
Years Inclusive: 11/2011 – 8/2017
Percent Effort: 15%
Total Amount Awarded: \$2,082,993

Funding Agency: Pitt Public Health
Title of Grant: An Examination of Individual-Level Overdose Mortality in Pennsylvania, 1999-2015
Principal Investigator: Jeanine Buchanich
Buchanich Role on Grant: PI (sole)
Years Inclusive: 01/2016-12/2016
Percent Effort: In kind
Total Amount Awarded: \$25,000

Funding Agency: National Eye Institute, NIH
Grant Number: 2 R01 EY014943-06
Title of Grant: Complications of Immunosuppression for Eye Diseases
Principal Investigator: John Kempen
Buchanich Role on Grant: PI (multiple)
Years Inclusive: 9/2010 - 8/2016
Percent Effort: 20%
Total Direct Costs: \$125,000

Funding Agency: Alpha Foundation
Title of Grant: Connecting Dust Characteristics and Worker Health in Underground Coal Mining
Principal Investigator: Jeanine Buchanich
Buchanich Role on Grant: PI (sole)
Years Inclusive: 11/2013 – 5/2017
Percent Effort: 20.0%

Total Direct Costs:	\$737,000
Total Amount Awarded:	\$797,000
Funding Agency:	Appalachian Research Initiative for Environmental Science
Title of Grant:	Health in Coal Mining and Non-Coal Mining Counties in Appalachia
Principal Investigator:	Jeanine Buchanich
Buchanich Role on Grant:	PI (sole)
Years Inclusive:	7/2012 - 6/2014
Percent Effort:	20.0 %
Total Direct Costs:	\$220,000
Funding Agency:	Appalachian Research Initiative for Environmental Science
Title of Grant:	Health in Coal Mining and Non-Coal Mining Counties in Appalachian VA
Principal Investigator:	Jeanine Buchanich
Buchanich Role on Grant:	PI (sole)
Years Inclusive:	7/1/2013 - 12/31/2013
Percent Effort:	20.0 %
Total Direct Costs:	\$20,000
Funding Agency:	Owens Corning
Title of Grant:	Mortality Surveillance and the Epidemiologic Support Program for Owens Corning
Principal Investigator:	Gary Marsh
Buchanich Role on Grant:	Co-Investigator
Years Inclusive:	1/2009 - 12/2012
Percent Effort:	10.0 %
Total Direct Costs:	\$150,000
Funding Agency:	Pennsylvania Department of Health
Title of Grant:	Updated and Expanded Study of Polycythemia Vera and Other Myeloproliferative Neoplasms in the Tri-County Area
Principal Investigator:	Jeanine Buchanich
Buchanich Role on Grant:	PI (sole)
Years Inclusive:	3/2010 - 9/2012
Percent Effort:	20.0 %
Total Direct Costs:	\$272,211
Funding Agency:	Appalachian Research Initiative for Environmental Science
Title of Grant:	ARIES Community Well-Being Study
Principal Investigator:	Jeanine Buchanich
Buchanich Role on Grant:	PI (sole)
Years Inclusive:	1/2012 - 3/2012
Percent Effort:	20.0 %
Total Direct Costs:	\$45,000
Funding Agency:	Pennsylvania Department of Health

Title of Grant:	Tungsten Carbide with Cobalt Binder: Phase 3 Part 2
Principal Investigator:	Gary Marsh
Buchanich Role on Grant:	Co-Investigator
Years Inclusive:	2011 - 2012
Percent Effort:	10.0 %
Total Direct Costs:	\$86,000
Funding Agency:	Pratt & Whitney
Title of Grant:	Epidemiology and Biostatistical Component of the Pratt & Whitney Exploratory Cohort Mortality Study
Principal Investigator:	Gary Marsh
Buchanich Role on Grant:	Co-Investigator
Years Inclusive:	2008 - 2012
Percent Effort:	50.0 %
Total Direct Costs:	\$3,680,000
Funding Agency:	NIH
Grant Number:	LOI3-SL-01-A
Title of Grant:	National Children's Study: Evaluation of Commercial Resources for Tracing/Locating NCS Participants
Principal Investigator:	Jeanine Buchanich
Buchanich Role on Grant:	PI (sole)
Years Inclusive:	1/2011 - 9/2011
Percent Effort:	20.0 %
Total Direct Costs:	\$50,000
Funding Agency:	Pennsylvania Department of Health
Title of Grant:	Tungsten Carbide Worker Epidemiology Study-Phase III, Part 1
Principal Investigator:	Gary Marsh
Buchanich Role on Grant:	Co-Investigator
Years Inclusive:	2009 - 2011
Percent Effort:	35.0 %
Total Direct Costs:	\$375,000
Funding Agency:	International Tungsten Industry Association
Title of Grant:	Tungsten Industry Phase Two Study
Principal Investigator:	Gary Marsh
Buchanich Role on Grant:	Co-Investigator
Years Inclusive:	2008 - 2009
Percent Effort:	20.0 %
Total Direct Costs:	\$100,000

OTHER SCHOLARLY ACTIVITIES

Editorial Board(s)

2011 - Present Member, Case Reports in Oncological Medicine
 2013 - Present Member, Advances in Medicine
 2013 – Present Member, Advances in Epidemiology
 2019 – Present Member, International Journal of Environmental Research and Public Health
 2020-Present Associate Section Editor, International Journal of Environmental Research and Public Health

Manuscript Reviewer

2007 - 2007 Reviewer, Journal of Occupational and Environmental Hygiene
 2007 - Present Reviewer, American Journal of Epidemiology
 2008 - 2008 Reviewer, The Open Epidemiology Journal (TOEPIJ)
 2009 - 2009 Reviewer, Critical Reviews in Toxicology
 2009 - Present Reviewer, Annals of Epidemiology
 2010 – Present Reviewer, Journal of Occupational and Environmental Medicine
 2015 – Present Reviewer, Journal of Environmental and Public Health
 2015 - Present Reviewer, American Journal of Preventive Medicine
 2015 – Present Reviewer, International Journal of Environmental Research and Public Health
 2015 – Present Reviewer, BMC Public Health
 2016 – Present Reviewer, Healthcare
 2016 – Present Reviewer, Journal of Public Health
 2016 – Present Reviewer, BMJ Open
 2018 Reviewer, BMJ Evidence-Based Medicine
 2018 Reviewer, International Journal of Radiation Biology
 2018 Reviewer, Drug and Alcohol Dependence
 2018 Reviewer, Journal of the American Medical Association
 2018 Reviewer, American Journal of Drug and Alcohol Abuse
 2019 Reviewer, Public Health Reports
 2019– Present Statistical Reviewer, Journal of the American Medical Association

Grant Reviewer

2007 - Present Reviewer, WorkSafe BC
 2009 Chair, Centers for Disease Control and Prevention (CDC) Grants for Public Health Dissertation Special Emphasis Panel
 2014 Member, CDC Special Emphasis Panel: DD-14-002: Research Approaches to Improve the Care and Outcomes of People Living with Spina Bifida
 2015 Member, CDC Special Emphasis Panel: DD15-001: Public Health Research on Modifiable Risk Factors for Spina Bifida
 2016 Member, CDC Special Emphasis Panel: ZDP1 KVA (A1 & A2): Pregnancy Risk Assessment Monitoring System Component A
 2018 Member, NIH United States Renal Data System (USRDS). Special Emphasis Panel ZDK1 GRB-1 J6 1, Contract Review
 2019 Member, CDC Special Emphasis Panel: DD19-001– Research Approaches to Improve the Care and Outcomes of People Living with Spina Bifida,

2019 Components A and B
Member, NIH United States Renal Data System (USRDS). ZDK1 GRB-1
J6 1, Source Selection Meeting

Conference Planning & Review

2011 - 2017 Reviewer, Society of Epidemiologic Research Annual Meeting
2013 – 2017 Reviewer, American College of Epidemiology Annual Scientific Meeting
2019 - 2020 Reviewer, American Public Health Association Annual Meeting

Other Review Activities

2012 - 2017 Reviewer, Association of Schools and Programs of Public Health/CDC
Allan Rosenfeld Global Health Fellowship Program
2013 - 2017 Reviewer, Association of Schools and Programs of Public Health/CDC
Public Health Fellowship Program

INVITED PRESENTATIONS

1. **Buchanich JM.** Looking for Risk Factors for CTCL. Presented at: 13th Annual Brian V. Jegasothy Support Group for CTCL; 2010 Oct; Pittsburgh, PA.
2. **Buchanich JM.** Methodological Issues in a Retrospective Cancer Incidence Study. Presented at: Cancer Registry Data Access for Research - Streamlining the Research Regulatory Process; 2012 May; Pittsburgh, PA.
3. **Buchanich JM,** Talbott E, Potter AP, Marshall LP. Mortality in Appalachian Coal Mining and Non-Coal Mining Counties. Presented at: ARIES Annual Investigators' Meeting; 2012 Sep; Morgantown, WV.
4. **Buchanich JM.** Use of Cancer Registry Data in an Epidemiologic Investigation. Presented at: Pennsylvania Association of Cancer Registrars' Annual Meeting; 2012 Sep; Pittsburgh, PA.
5. **Buchanich JM,** Starbuck B. Effective Communication Skills. Presented at: Conference for Statistical Practice; 2013 Feb 21; New Orleans, LA.
6. **Buchanich JM.** Effective Communication Skills. Presented at: ASA Annual Chapter Meeting; 2013 Mar 22; Philadelphia, PA.
7. Talbott E, Marshall LP, Brink LL, **Buchanich JM.** Population and exposure characteristics of coal mining and non-coal mining counties in West Virginia. Presented at: Proceedings of the Environmental Considerations in Energy Production Symposium; 2013 Apr; West Virginia.
8. **Buchanich JM,** *Balmert L, Youk AO, Woolley S, Talbott E. Mortality in Appalachian Coal Mining and Non-Coal Mining Counties. Presented at: ARIES Annual Investigators' Meeting 2014; 2014 Apr 28-30; Louisville, KY.
9. **Buchanich JM,** Sarver EA. Connecting Dust Characteristics and Worker Health in Coal Mining. Presented at: Joint Spring Meeting WVCMI, WVCA, SME/CAS 2015 May 13 - 15. Roanoke, WV.
10. **Buchanich JM.** Use of PA Cancer Registry Data in a Cancer Cluster Investigation in

- Northeastern PA. Presented at: Pitt Public Health, Department of Epidemiology Seminar; 2015 November 19. Pittsburgh, PA.
11. **Buchanich JM.** Exploring overdose patterns and trends in Pennsylvania. 2017 Opioid Summit; 2017 June 20. Philadelphia, PA.
 12. **Buchanich JM.** Years of Life Lost to External Causes of Death in Pennsylvania. Presented at: Pennsylvania Psychiatric Leadership Council Spring Conference; 2018 March 19. Harrisburg, PA.
 13. **Buchanich JM.** The impact of unspecified drug reporting on opioid-related overdose deaths in PA. Presented at: Opioid Command Center, PA Governor's Office. 2018 Sept 10. Harrisburg, PA.
 14. **Buchanich JM.** Opioid Overdose Mortality and Approaches for Prevention. Presented at: Educating Teens: Focus on Boys and Young Men Symposium. 2018 Oct 18. Pittsburgh, PA.
 15. **Buchanich JM.** Mortality and EM. UPMC Emergency Medicine Grand Rounds. 2018 Oct 20. Pittsburgh, PA.
 16. **Buchanich JM.** Tailoring biostatistics to your audience. Presented at: University of Pittsburgh Department of Biostatistics Seminar. 2018 Dec 6. Pittsburgh, PA
 17. **Buchanich JM.** The relationship between death certificate-reported occupation and deaths due to overdose. Presented at: Opioid Command Center, PA Governor's Office. 2019 April 1. Harrisburg, PA.
 18. **Buchanich JM.** The opioid epidemic: Real time data. Presented at: Association of Clinical Scientists Annual Meeting. 2019 May 17. Hershey, PA.
 19. **Buchanich JM.** Overdose: What's new? Presented at: Public Health Dynamic Laboratory Speaker Series. 2019 June 3. Pittsburgh, PA.
 20. **Buchanich JM.** The Importance of Place in Public Health. Festschrift Symposium Honoring the Career of Donald S. Burke. 2019 September 13. Pittsburgh, PA.
 21. **Buchanich JM.** Opioid Overdose Mortality. Presented at: Educating Teens: Focus on Boys and Young Men Symposium. 2019 Oct 17. Pittsburgh, PA.

CONFERENCE PRESENTATIONS

1. Marsh GM, **Buchanich JM**, Lieberman FS, Youk AO. An epidemiological study of brain cancer mortality and incidence among a cohort of jet engine manufacturing workers. Poster presented at: Society of Neuro-Oncology Annual Meeting; 2006 Nov; Orlando, FL.
2. **Buchanich JM**, Songer TJ. A Decision Making Rule for Mild Head Injury in Very Young Children. Presented at: 29th Annual Meeting of the Society for Medical Decision Making; 2007.
3. **Buchanich JM**, Bornemann ZB, Marsh GM, Youk AO, Lieberman FS. An epidemiological study of brain cancer incidence among a cohort of jet engine manufacturing workers: methodological issues. Presented at: 2008 Society of Neuro-Oncology Annual Meeting; 2008; Las Vegas, NV.
4. Youk AO, **Buchanich JM**, Marsh GM, Fryzek J, Cunningham M. A Study of Cancer Mortality Rates in High Altitude Counties of the United States. Presented at: Dean's Junior Faculty Seminar Series.; 2008; Pittsburgh, PA.
5. **Buchanich JM**, Marsh GM, Esmen NA, Youk AO, Kennedy KJ. Cerebrovascular Mortality among Arsenic-Exposed Copper Smelter Workers. Presented at: British Occupational Hygiene Society (BOHS); 2009 Apr; Eastbourne, England.

6. Youk AO, **Buchanich JM**, Marsh GM, Fryzek J, Cunningham M. An Ecological Study of Cancer Mortality Rates in High Altitude Counties of the United States. Poster presented at: SER Annual Meeting; 2010; Seattle, WA.
7. **Buchanich JM**, Kennedy KJ, Marsh GM, Esmen NA. Communicating Environmental and Occupational Health Risks to Stakeholders: Avoiding Mistrust and Garnering Support. Presented at: Environmental Health; 2011; Salvador, Brazil.
8. **Buchanich JM**, Talbott E, *Potter A, Marshall L. Comparison of Mortality Rates between Appalachian Coal Mining Counties and Non-Coal Mining Counties. Presented at: Environmental Considerations in Energy Production; 2013 Apr 15-17; Charleston, WV.
9. Marsh GM, **Buchanich JM**, Downing S. Evaluating Health Effects of Exposure to Acrylonitrile”: A Comprehensive Research Program at the University of Pittsburgh. Presented at: EPICOH 2013; 2013 Jun 18-21; Utrecht, The Netherlands.
10. Marsh GM, **Buchanich JM**, Downing S. An International Historical Cohort Study of Hard Metal Workers. Presented at: 2013 EPICOH Meeting; 2013 Jun 18-21; Utrecht, The Netherlands.
11. Talbott E, Brink LL, **Buchanich JM**, Sharma R, Stacy S. Use of National Air Toxics Assessment Data to Evaluate Dust and Volatile Organic Exposures in Coal and Non Coal Mining Communities of West Virginia: A Preliminary Study. Presented at: Geological Society of America Southeast Section 2014 Apr 10 - 11. Blacksburg, VA.
12. Talbott E, Brink LL, **Buchanich JM**, Sharma R, Stacy S. Socio-demographic and Personal Risk Determinants of Cardiovascular and Circulatory Hospitalization Rates in Coal Mining and Non Coal Mining Communities in West Virginia. Presented at: Geological Society of America Southeast Section; 2014 Apr 10-11; Blacksburg, VA.
13. **Buchanich JM**, Meacham S, Talbott EO. Comparing Mortality among Coal Mining and Non-Coal Mining Areas of Appalachian West Virginia and Virginia. Presented at: Geological Society of America Southeast Section; 2014 Apr 10-11; Blacksburg, VA.
14. Marsh GM, **Buchanich JM**, Zimmerman SC. An International Historical Cohort Study of Workers in the Hard-Metal Industry. Presented at: EPICOH Meeting 2014; 2014 Jun 24-27; Chicago, IL.
15. **Buchanich JM**, *Balmert LC, *Woolley SM, Youk AO, Talbott EO. Disparities in Diabetes Mellitus Mortality Rates in Coal Mining and Non-Coal Mining Areas of Appalachia. Presented at: APHA 2014 Annual Meeting; 2014 Nov 16-20; New Orleans, LA.
16. **Buchanich JM**, *Wooley SM, *Balmert LC, Burke DS. Infectious Disease Deaths: Other Priorities for Modeling. Poster Presented at: MIDAS Network Meeting; 2015 April 28-29; Atlanta, GA.
17. Meacham SL, Meisha D, *Woolley SM, *Balmert LC, Talbott EO, **Buchanich JM**, Snyder A. 2nd Environmental Considerations in Energy Production Conference; 2015 Sep 20 – 23; Pittsburgh, PA.
18. **Buchanich JM**, *Balmert L, Youk AO, *Woolley S, Talbott EO. *Disparities in diabetes mellitus mortality rates in coal mining and non-coal mining areas of Appalachia*. 2nd Environmental Considerations in Energy Production Conference; 2015 Sep 20 – 23; Pittsburgh, PA.
19. *Balmert LC, **Buchanich JM**, Pringle JL, Williams KE, Burke DS, Marsh GM. Patterns and Trends in Accidental Poisoning Deaths: Pennsylvania’s Experience 1979-2014. Pennsylvania Public Health Association Annual Meeting; 2016 April 7; Lancaster, PA.
20. **Buchanich JM**, Burke DS. An Examination of Influenza Vaccination Rates and Influenza and Pneumonia Mortality. Poster Presented at: MIDAS Network Meeting; 2016 May 23-24;

Reston, VA.

21. **Buchanich JM**, *Woolley SM, Lann MF, Burke DS, Marsh GM. Patterns and Causes of Years of Potential Life Lost in the US. Epidemiology Congress of the Americas; 2016 June 22-25; Miami, FL.
22. **Buchanich JM**, Burke DS. Introducing MOIRA: Mortality Informatics and Research Analytics. Poster Presented at: MIDAS Network Meeting; 2017 May 22-23; Atlanta, GA.
23. **Buchanich JM**, Balmert LC, Burke DS. Incomplete Death Certificate Coding Dramatically Underestimates the Opioid Epidemic. Presented at: American College of Epidemiology Annual Conference; 2017 September 24-26. New Orleans, LA.
24. **Buchanich JM**, Burke DS. Improvement in Racial Disparities in Years of Life Lost due to Infectious Diseases in the USA Since 1990. MIDAS Network Meeting; 2018 May 2-3; Bethesda, MD.
25. **Buchanich JM**, Pyne S, Burke DB. Gun-related mortality. Preventive Medicine; 2019 May 21; Pittsburgh, PA.
26. Chanine L, *Cummin GL, *Chen Shangzhen, **Buchanich JM**, Edison B, Daeschler M, Kahl S, Kopil C, Marras C. Demographic Influences on Wearing Off Symptoms in Parkinson's Disease. 2019 International Congress of Parkinson's Disease and Movement Disorders. 2019 September 20-24; Nice, France.
27. **Buchanich JM**, Kruchten A, Bobby K. Demographic and Geographic Variation in Opioid Overdose Deaths. PA Opioid Summit. 2019 October 1. Penn State, PA.
28. **Buchanich JM**, Lo-Ciganic WH, Donohue JM, Hulsey EG, Barnes S, Li Y, Kuza CC, Yang Q, **Buchanich JM**, Huang JL, Mair C, Gellad WF Integrating County-Level Health, Human Services, and Criminal Justice Data to Predict Risk of Opioid Overdose among Medicaid Beneficiaries: A Machine Learning Approach. ISPOR. 2020 May 18-20. Virtual.
29. Talbott EO, Malek AM, Arena V, Rager JR, Wu F, **Buchanich JM**. Use of ALS cases from the ATSDR/CDC National ALS Registry and a population-based control group to investigate ambient air pollution and suspected neurotoxicants as risk factors for ALS. AAN Annual Meeting. 2020 May. Virtual.

TEACHING

Graduate Courses

Year(s)/Term	Course Number & Title	Number of Students	Role
2009 – 2010 (Fall & Spring)	BIOS 2025, Departmental Seminar	25-35	Coordinator
2009 – Present (Every Spring)	PH 2011, Essentials of Public Health	15-25	Mentor
2010 – Present (Every Fall)	BIOS 2058, Scientific Communication Skills	6-15	Primary Instructor
2012 – 2012 (Spring)	BIOS 2087, Biostatistics Consulting Practicum	8	Co-Instructor
2012 – Present (Every Fall & Spring)	BIOS 2087, Biostatistics Consulting Practicum	6-14	Primary Instructor
2013 – Present (Every Spring)	EPI 2230, Advanced Topics in Epidemiological Methods	6-12	Guest Lecturer
2015 – 2018 (Every Spring)	HPM2133, Law in Public Health Practice	8	Guest Lecturer
2019	HPM2133, Law in Public Health Practice	6	Co-Instructor
2020 – Present (Every term)	BIOS 2099, Capstone	5-15	Co-Instructor
2020	EPI 2223, Intro to Environmental Epidemiology	15	Guest Lecturer

Continuing Education

2012	Buchanich J. Scientific Presentation Skills: Train the Trainer. 8.0 hrs, Joint Statistical Meetings, ASA.
2018, 2019 (x2)	Buchanich JM. “Harnessing the Power of Data” 9.0 hours, Mid-Atlantic Region Public Health Training Center

MENTORING AND ADVISING

Master's Students

Year(s)	Student's Name & Department/Degree/Discipline	Role
2008 - 2008	Shanna Horvatin Environmental & Occupational Health, University of Illinois at Chicago MS (6/2008) Worker Ability to Recall Personal Occupational History	Committee member
2008 - 2009	Hui Xu Biostatistics, University of Pittsburgh MS (4/2009) Comparison Between Respondents And Non- Respondents In A Nested Case-Control Study Of Brain Tumors	Committee member
2008 - 2009	Hyoung Frank Ryou Environmental & Occupational Health, University of Illinois at Chicago MS (4/2009) Occupational Injuries in a Cohort of Jet Engine Manufacturing Facility	Committee member
2008 - 2009	Xiaoxue Li Biostatistics, University of Pittsburgh MS (4/2009) Comparing the three methods: stratified log-rank test, Cox proportional hazard model, stratified proportional hazard model, and their impact on meta-analysis	Committee member
2010 - 2010	Lei Zhou Biostatistics, University of Pittsburgh MS (4/2010) Variation in use of \$4 generic program and potential savings among Medicare part D beneficiaries	Committee member
2010 - 2010	Chirag Patel Environmental & Occupational Health, University of Illinois at Chicago MS (6/2010) Chemosensory and irritant properties of chemicals as factors driving temporal trends	Committee member

2010 - 2012	Jennifer Cooper Biostatistics, University of Pittsburgh MS (4/2012) Mechanisms driving the effect of weight loss on arterial stiffness	Advisor
2010 - 2016	John T. Walters Biostatistics, University of Pittsburgh MS (12/2016) Prediction of Kidney Allograft Damage via Immunologic Phenotype Profiles in Living-Donor Kidney Recipients	Advisor
2011 - 2013	Fangfang Chen Biostatistics, University of Pittsburgh MS (8/2013) Historical Mortality Patterns of Polycythemia Vera	Advisor
2012 - 2013	Jordan Smith Biostatistics, University of Pittsburgh MS (4/2013) Medical Student Demographics and Attitudes as Predictors for Future Rural Practice	Advisor
2012 - 2014	Kelsey Baker Biostatistics, University of Pittsburgh MS (12/2014) Predictors of Type of Illegal Drug Use in Teenagers	Advisor
2012 - 2014	Laura Berbert Biostatistics, University of Pittsburgh MS (12/2014) Role of Sport in Severity of Concussion	Advisor
2013 - 2013	Katrina Zell Biostatistics, University of Pittsburgh MS (4/2013) An Analysis of Survey Data for Estimating Marcellus Shale Perceptions	Committee member
2013 - 2013	Annabel Ferguson Biostatistics, University of Pittsburgh MS (12/2013) Inter-rater Reliability of C. Elegans Lifestage	Committee member
2013 - 2015	Victor Talisa Biostatistics, University of Pittsburgh MS (8/2015)	Advisor

Evaluating Medicare Part D

2013 - 2016	Xinmei Zhu Biostatistics, University of Pittsburgh	Academic advisor
2014 - 2014	Drew Donnell Biostatistics, University of Pittsburgh MS (4/2014) Dynamic Prediction of Pre-Transplant Survival in a Multi-Center Study of Pediatric Acute Liver Failure	Committee member
2014 – 2016	Matthew Johnson Biostatistics, University of Pittsburgh MS (6/2016) Analysis of Racial Differences in ICD Shock Burden Using Cox Proportional Hazards Regression	Advisor
2015 - 2016	Hai Vo Biostatistics, University of Pittsburgh MS (4/2016) An application of analyzing correlated binary outcomes in a study of twins	Committee member
2015 - 2016	Wendy He Biostatistics, University of Pittsburgh	Academic advisor
2015 –2016	Kathryn Gill Biostatistics, University of Pittsburgh	Academic advisor
2016 – 2016	Chris Freyder Biostatistics, University of Pittsburgh MS (6/2016) Using Linear Regression and Mixed Models to Predict Health Care Costs after an Inpatient Event	Committee member
2016 – 2016	Nicholas Heaghey Biostatistics, University of Pittsburgh MS (12/2016) Can Medical Marijuana Stem Increases in Drug Related Death-Rates: A Time-Series Cross-Section Analysis	Advisor
2016 – 2017	Perna Ranganathan Biostatistics, University of Pittsburgh MS (12/2017) Chronic serum cortisol mediates the relationship between IL-6/sIL-6R complex and long-term global outcomes after moderate to severe TBI	Advisor

2016 – 2017	Winston Eng Biostatistics, University of Pittsburgh	Academic advisor
2016- 2017	Jung-Yi Yan Biostatistics, University of Pittsburgh MS (4/2017) Performance of Rank-Minimization under Different Scenarios: A Simulation Study Focusing on Baseline Covariate Imbalance in Clinical Trials	Committee member
2017 – 2017	Sabrina Mukhtar Multidisciplinary Master of Public Health, University of Pittsburgh MMPH (4/2017) Pediatric Keratonocus: A Revie of the Literature	Essay reader
2017- 2017	Natalie Sumetsky Biostatistics, University of Pittsburgh MS (07/2017) Spatiotemporal modeling of opioid abuse and dependence outcomes using Bayesian hierarchical methods	Committee member
2017 – 2019	Qi Gao Biostatistics, University of Pittsburgh MS (04/2019) Multinomial logistic regression and group-based trajectory modeling for longitudinal data of contraceptive methods and recognition of abusive behaviors among women seeking family clinical care	Advisor
2017 - 2019	Priyanka Setty Biostatistics, University of Pittsburgh MS (8/2019) A comparative analysis to predict p53 activity using classification models	Advisor
2018-2018	Jack Warwick Behavioral and Community Health Services, University of Pittsburgh MPH (04/2018) Addressing a policy need in the opioid epidemic: Accounting for rural versus urban differences in Pennsylvania	Committee member
2018-2018	Jessica Graves Biostatistics, University of Pittsburgh	Committee member

MS (04/2018)
 Timing of dysregulation in rest-activity rhythm and
 depression symptom severity in dementia caregivers

2018 – 2019	Molly Shiflets Health Policy and Management, University of Pittsburgh MPH (04/2019)	Committee member
2018 – Present	Brandon Meng Biostatistics, University of Pittsburgh	Advisor
2018 – 2020	Kayleigh Adamson Biostatistics, University of Pittsburgh MS (04/2020)	Advisor
2018 – Present	Samuel Wittman Biostatistics, University of Pittsburgh	Academic advisor
2018 – 2019	Chandler Capps Biostatistics, University of Pittsburgh	Advisor
2018 – Present	Alex Conway Biostatistics, University of Pittsburgh	Advisor
2018 – 2019	Qingwen Chen Biostatistics, University of Pittsburgh MS (04/2019)	Committee member
2019	Kristina Boyd Biostatistics, University of Pittsburgh MS (12/2019)	Advisor
2019	Kendra Bobby Biostatistics, University of Pittsburgh MS (12/2019)	Advisor
2019	G. Lucas Cummin Biostatistics, University of Pittsburgh MS (12/2019)	Advisor
2019	Hiba Anwer Epidemiology, University of Pittsburgh MPH (12/2019)	Committee member
2019-2020	Ruopu Song Biostatistics, University of Pittsburgh MS (4/2020)	Committee member

2020	Elijah Lovelace Biostatistics, University of Pittsburgh MS (4/2020)	Committee member
2020	Mengqi Wang Biostatistics, University of Pittsburgh MS (4/2020)	Committee member
2020	Jennifer Fedor Biostatistics, University of Pittsburgh MS (4/2020)	Committee member
2020	Anni Guo Biostatistics, University of Pittsburgh MS (6/2020)	Committee member
2020	Nabil Awan Biostatistics, University of Pittsburgh MS (ant 8/2020)	Committee member

Doctoral Students

Year(s)	Student's Name & Department/Degree/Discipline	Role
2009 - 2010	Jennifer Pearce Environmental & Occupational Health, University of Illinois at Chicago PhD (6/2010)	Committee member
2011 - 2013	Andrew Potter Biostatistics, University of Pittsburgh	Research supervisor
2012 - 2013	Ryan Kunkle Biostatistics, University of Pittsburgh	Research supervisor
2013 - 2013	Shaina Smith Environmental & Occupational Health, University of Pittsburgh	Qualifying Exam Committee member
2014 - 2017	Lauren Balmert Biostatistics, University of Pittsburgh PhD (4/2017)	Research supervisor/ Committee member
2014 – 2017	Shannon Woolley Biostatistics, University of Pittsburgh PhD (4/2017)	Research supervisor/ Committee member

2016- 2018	Kathleen Creppage Epidemiology, University of Pittsburgh PhD (5/2018)	Committee member
2016 – 2019	Kendra Bobby Biostatistics, University of Pittsburgh	Research supervisor
2018 – Present	Adam Kruchten Biostatistics, University of Pittsburgh	Academic advisor/ Research supervisor
2018 – Present	Erin Tomaszewski Epidemiology, University of Pittsburgh	Committee member
2019- 2020	Huang Lin Biostatistics, University of Pittsburgh PhD (4/2020)	Committee member
2019 – Present	Yan Yi Epidemiology, University of Pittsburgh	Committee member
2020 – Present	Sara Godina Epidemiology, University of Pittsburgh	Committee member
2020 - Present	Hristina Denic Epidemiology, University of Pittsburgh	Committee member

SERVICE

Service to Internal Organizations

Department Committees

2009 - Present	Grader, PhD Preliminary Exam, Public Health Subcommittee
2009 - Present	Scientific Reviewer for new Institutional Review Board proposals
2010 - 2010	Grader, PhD Preliminary Exam, Applied Subcommittee
2010 - 2011	Member, Social Committee
2010 - Present	Member, PhD Preliminary Exam, Public Health Subcommittee
2010 - Present	Member, Masters Program Committee
2011 - Present	Grader, Masters Comprehensive Exam
2011 - Present	Chair, Social Committee
2011 - Present	Chair, Dean's Day Department Awards
2011 - Present	Faculty liaison for student representatives
2012 - Present	Chair, Masters Comprehensive Exam

School Committees

2009 - 2010	Dean's Day abstract preparation
2009 - Present	Dean's Day Judge
2014 - Present	Member, Graduate School of Public Health Planning and Budget Policies Committee

University Committees

2010 - 2016	Elected Member, University Faculty Assembly
2010 - 2016	Member, University Plant Utilization and Planning Committee
2011 - 2016	Member, University Senate
2014 - 2016	Member, University Budget and Planning Committee
2015 - Present	Faculty Advisor, American Statistical Association Student Chapter
2016 - 2018	Faculty Advisor, SPHERE
2017 - Present	Elected Member, University Faculty Assembly
2017 - Present	Elected Member, University Plant Utilization and Planning Committee
2018 - Present	Member, University Senate
2018 - Present	Appointed Member, University Board of Trustees Institutional Advancement Committee
2019	Elected Member, Senior Vice Chancellor Search Committee

Service to External Organizations

Public Policy and Programs

2014 - 2017	Expert panel member, Agency for Toxic Substances and Diseases/Centers for Disease Control and Prevention, Camp Lejeune cancer incidence study
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External Committees

2009 - 2014	Member, International Online Medical Conference, Scientific Committee
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2010 - 2011 Member, Association of Schools and Programs of Public Health Global Health Core Competency Development: Domain 2, Collaboration and Partnering Committee

2012 - 2013 Appointed member, Career Success Factors Workgroup, American Statistical Association

2013 - 2014 Organizing Committee, British Occupational Hygiene Society Inhaled Particles XI

2013 - 2016 Member, Society for Epidemiologic Research Membership/Nominations Committee