

Aimee Joy Palumbo, PhD, MPH

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ACADEMIC APPOINTMENT

Assistant Professor of Instruction 2018-Present
Department of Epidemiology and Biostatistics, College of Public Health

EDUCATION

PhD in Epidemiology 2016
Dornsife School of Public Health, Drexel University, Philadelphia, PA

Dissertation Title: Women's Occupational Patterns and Later Life Physical Functioning

Committee: Yvonne Michael (chair), Anneclaire De Roos, Jana Mossey, Lucy Robinson, Carolyn Cannuscio

Master of Public Health in Epidemiology 2009
George Washington University, School of Public Health & Health Services, Washington, D.C.

Thesis: Effect of Chemokine Receptor Mutations on Neurocognitive Impairment Among HIV-Infected Women

Bachelor of Arts in Economics, Bachelor of Arts in Italian Language 2004
University of Virginia, Charlottesville, VA

RESEARCH EXPERIENCE

University of Pennsylvania, Penn Injury Science Center 2016–2018
Postdoctoral Research Fellow, Mentor: Dr. Therese Richmond

Children's Hospital of Philadelphia, Center for Injury Research and Prevention 2016–2018
Postdoctoral Research Fellow, Mentor: Dr. Allison Curry

Drexel University School of Public Health, Department of Epidemiology & Biostatistics 2012–2016
Graduate Student & Research Fellow, Advisor: Dr. Yvonne Michael

GRANTS AND FELLOWSHIPS

Current:

Understanding child restraint system use on airplanes (**PI: Palumbo**): The Center for Child Injury Prevention Studies at the Children's Hospital of Philadelphia

Total direct: \$36,000 2018–2019

In-Depth analysis of crash causation factors using SHRP2 (year 1): rear-end striking crashes (PI: Seacrist, **Co-I: Palumbo**): The The Center for Child Injury Prevention Studies at the Children's Hospital of Philadelphia

Total direct: \$58,000 2018–2019

Completed:

Women's Occupational Patterns and Health-Related Quality of Life (**PI: Palumbo**): The Reed Foundation Ruth Landes Memorial Research Fund

Total direct: \$46,000 2014–2015

AWARDS AND HONORS

Drexel University Outstanding Dissertation Award – Honorable Mention 2016

Drexel University Research Day Award Winner 2015

Charles C. Shepard Science Award (CDC/ATSDR) nominee co-author 2013

Department of Epidemiology and Biostatistics Practicum Research Fellowship Award 2008

PUBLICATIONS

Peer-reviewed Articles

- Hannan C, **Palumbo AJ**, Fisher-Thiel MC, Weiss EE, Seacrist T. Advanced driver assistance systems for teen drivers: A national survey of teen and parent perceptions. (in press, *Traffic Injury Prevention*)
- Palumbo AJ**, Pfeiffer MR, Elliott MR, Curry AE. Young driver compliance with Graduated Driver Licensing restrictions before and after implementation of a decal provision. *Journal of Adolescent Health*, 2018; 62(5): 612-617. DOI:10.1016/j.jadohealht.2017.11.292.
- Morrison CN, Ukert B, **Palumbo A**, Dong B, Jacoby SF, Wiebe DJ. Assaults on days of campaign rallies during the 2016 US Presidential Election. *Epidemiology*, 2018; 29(4):490-493. DOI: 10.1097/EDE.0000000000000821.
- Palumbo AJ**, De Roos, AJ, Cannuscio C, Robinson L, Mossey J, Weitlauf J, Garcia L, Wallace R, Michael Y. Work characteristics associated with physical functioning in women. (*Int J of Environ Res Public Health: Special Issue on Women's Health and the Work Environment*, 2017; 14(4):424. DOI:10.3390/ijerph14040424.
- Palumbo A**, Michael Y, Hyslop T. Latent class model characterization of neighborhood socioeconomic status. *Cancer Causes & Control*, 2016; 27(3):445-452. DOI 10.1007/s10552-015-0711-4.
- Palumbo AJ**, Michael YL, Burstyn I, Lee BK, Wallace R. Occupational physical demand and risk of hip fracture in older women. *Occup Environ Med* 2015; 72:567-572.
- Longenberger AH, **Palumbo AJ**, Chu AK, Moll ME, Weltman A, Ostroff SM. *Campylobacter jejuni* Infections Associated With Unpasteurized Milk—Multiple States, 2012. *Clin Infect Dis*, 2013. DOI: 10.1093/cid/cit231.
- Trivedi TK, DeSalvo T, Lee L, **Palumbo A**, Moll M, Curns A, Hall AJ, Patel M, Parashar UD, Lopman BA. Hospitalizations and Mortality Associated With Norovirus Outbreaks in Nursing Homes, 2009-2010. *JAMA* 2012; 308(16):1668-1675. -Nominated for 2013 Charles C. Shepard Science Award (CDC/ATSDR)
- Palumbo AJ**, Loveless PA, Moll M, Ostroff S. Evaluation of electronic hospital surveillance systems for healthcare-associated infections in Pennsylvania. *Infect Control Hosp Epidemiol*, 2012; 33(2):105-111.
- Centers for Disease Control and Prevention. Invasive Group A Streptococcus in a Skilled Nursing Facility — Pennsylvania, 2009–2010. *MMWR* 2011; 60:1445-1449. Reported by: Julie Marsden, Lisa Dettinger, George Fraser, Kirsten Waller, Maria Moll, Andre Weltman, Atmaram Nambiar, Stephen Ostroff, **Aimee Palumbo**, Bernard Beall, Chris Van Beneden, Carolyn Gould, Nimalie Stone, Neil Gupta and Allison Longenberger

Works in Progress

- Palumbo AJ**, Cannuscio C, De Roos, AJ, Robinson L, Mossey J, Wallace R, Garcia L, Shadyab AH, Sealy-Jefferson S, Michael Y. Women's occupational patterns and later life physical functioning. (*under review, Journal of Aging and Health*).
- Palumbo AJ**, Wiebe DJ, Kassam-Adams N, Richmond TS. Neighborhood environment and health of urban black men. (*under consideration for submission to special issue of American Journal of Community Psychology on Applied and Translational Research on Trauma-Responsive Programs and Policy*)
- Palumbo AJ**, Pfeiffer MR, Metzger K, Curry AE. Examination of state-level licensing and motor vehicle crash rates among older adults. (*in preparation, submitting to Journal of Gerontology*)
- Palumbo AJ**, Jacoby S, Richmond T. The work of urban black men and impact of returning to work on mental health recovery following injury. (*in preparation, submitting to American Journal of Public Health*)
- Falconi A, **Palumbo AJ**, Cullen M, Michael Y, Stefanick M. Cohort Analysis of the Influence of Labor Force Participation Patterns and Occupation on Women's Health. (*in preparation, submitting to Demography*)

Jacoby S, **Palumbo AJ**, Richmond T. Influence of work and economic instability after injury on depression and PTSD. (*in preparation*)

Miller A, Goldstein N, **Palumbo AJ**, Locke R, Bartoshesky L, Mackley A, Sullivan K, Guillen U. Futility and Neonates: How much does one define when too much is too much? (*in preparation*)

Peer-reviewed Presentations

Palumbo AJ, Wiebe DJ, Kassam-Adams N, Richmond TS. Feelings versus facts: Using neighborhood data and perceptions of neighborhoods to study how place affects self-reported health of urban black men. *Society of Epidemiologic Research*, 51st Annual Meeting 2018, Baltimore, MD – poster presentation

Palumbo AJ, Pfeiffer MR, Metzger K, Curry AE. Examination of state-level licensing and motor vehicle crash rates among older adults. *Society of Epidemiologic Research*, 51st Annual Meeting 2018, Baltimore, MD – poster presentation

Miller A, Goldstein N, **Palumbo AJ**, Locke R, Bartoshesky L, Mackley A, Sullivan K, Guillen U. Futility and Neonates: How much does one define when too much is too much?, Pediatric Academic Societies 2018 Meeting, Toronto, Canada

Palumbo AJ, Pfeiffer MR, Elliott MR, Curry AE. Young driver compliance with Graduated Driver Licensing restrictions before and after implementation of a decal provision, *Society of Epidemiologic Research*, Annual Meeting 2017, Seattle, WA – poster presentation; *Transportation Research Board*, Annual Meeting 2018, Washington, DC – poster presentation

Palumbo AJ, De Roos, AJ, Robinson L, Mossey J, Cannuscio C, Wallace R, Michael YL. Substantively Complex Work Associated with Better Physical Functioning in Women, 4th *Epidemiology Congress of the Americas*, Congress Meeting 2016, Miami, FL – poster presentation

Palumbo AJ, De Roos, AJ, Robinson L, Mossey J, Cannuscio C, Wallace R, Michael YL. Identifying Women's Occupational Patterns in a Long-Term National Health Study, *Society of Epidemiologic Research*, 48th Annual Meeting 2015, Denver, CO – poster presentation

Michael YL, **Palumbo AJ**, Burstyn I, Lee BK, Wallace R. Lifetime Exposure to Occupational Physical Demand and Hip Fractures in Post-menopausal Women. *International Epidemiology Association World Congress of Epidemiology*, 2015 Anchorage, AL. – poster presentation

Palumbo A, Michael Y, Hyslop T. Latent Class Model Characterization of Neighborhood SES. *American Association of Cancer Research*. 105th Annual Meeting 2014, San Diego, CA – poster presentation (In: Proceedings of the 105th Annual Meeting of the American Association for Cancer Research; 2014 Apr 5-9; San Diego, CA. Philadelphia (PA): AACR; Cancer Res 2014;74(19 Suppl):Abst nr 4137. doi:10.1158/1538-7445.AM2014-4137)

Palumbo AJ, Michael YL, Burstyn I, Lee BK, Wallace R. Pre-menopausal Occupational Physical Demand Protects Against Hip Fractures. *Society of Epidemiologic Research*, 46th Annual Meeting 2013, Boston, MA – oral presentation (In: Am J Epidemiol 2013;177(11 Suppl):S53)

Palumbo AJ, Moll ME, Ostroff SM. Description of Healthcare-Associated Infections in Long-Term Care Facilities in Pennsylvania, *Council of State and Territorial Epidemiologists*, Annual Conference 2011, Pittsburgh, PA – poster presentation; *Association for Professionals in Infection Control*, Annual Conference 2011, Baltimore, MD – poster presentation

Palumbo AJ, Loveless PA, Moll M, Ostroff S. Evaluation of electronic hospital surveillance systems for healthcare-associated infections in Pennsylvania, *Council of State and Territorial Epidemiologists*, Annual Conference 2010, Portland, OR – oral presentation; Northeast Epidemiology Conference, Lenox, MA – oral presentation; and *American Public Health Association*, Annual Meeting 2010, Denver, CO – oral presentation

ALTERNATIVE MEDIA

Palumbo AJ: Measuring the Effect of the NJ Decal Provision on GDL Compliance, February 13, 2018

<https://injury.research.chop.edu/blog/posts/measuring-effect-nj-decal-provision-gdl-compliance#.WpAu1E0o671>

Research Communications at the Children’s Hospital of Philadelphia: Cornerstone – Where Science and Medicine Converge, February 23, 2018. “Can Vehicle Decals Improve Young Driver Safety?”

<https://blog.research.chop.edu/martha-curley-cardiology-2018-hearing-loss-and-heart-surgery-driving-safety-parents-and-allergies>

ACADEMIC TEACHING

Drexel University School of Public Health

Department of Epidemiology & Biostatistics

Adjunct Faculty

PBHL 699 ES: Research Methods, 5 students

Summer Semester 2018

EPI 550: Applied Survey Research in Epidemiology, 60 students

Spring Quarter 2018

Instructor

PBHL 632: Applied Survey Research in Epidemiology, 50 students

Winter Quarter 2016

Teaching Assistant

PBHL 632: Applied Survey Research in Epidemiology, 35 students

2013-2015

PBHL 630: Intermediate Epidemiology, 80 students

Guest Lecturer

PBHL 636: Infectious Disease Epidemiology, Healthcare Associated Infections, 35 students

2013-2016

MENTORING, ADVISING, AND TUTORING

Mentor for NSF Research Experience for Undergraduate (REU) Student program at CHOP

2018

Penn Career Services Postdoc Panelist “Finding the Right Postdoc for Your Career Goals”

2018

Epidemiology and biostatistics tutor for Community Health and Prevention PhD students

2014–2015

Drexel Public Health Career Panel

2010–2012

OTHER PROFESSIONAL EXPERIENCE

Pennsylvania Department of Health

2011–2012

Division of Infectious Disease Epidemiology, Investigations Section

Epidemiology Research Associate

- Developed outbreak reports for internal use and public dissemination
- Coordinated responses to regional and state-wide enteric disease outbreaks or clusters and assisted local health departments with localized outbreaks of enteric diseases
- Collaborated with CDC on research about nursing home Norovirus outbreaks hospitalization and mortality rates
- Led efforts to research best practices for improvement and updating of the state’s epidemiology manual

Pennsylvania Department of Health & CSTE

2009–2011

Division of Infectious Disease Epidemiology, Healthcare-Associated Infections

Council of State and Territorial Epidemiologists Applied Epidemiology Fellow

- Led multiple outbreak investigations, including a cluster of carbapenem-resistant *Klebsiella pneumoniae* and a large outbreak of invasive group A *streptococcus* in a long-term care facility
- Prepared data for first three annual reports on healthcare-associated infections in Pennsylvania
- Created internal data-validation report for hospitals using the National Healthcare Safety Network (NHSN)
- Collaborated with contractors for the health department on external data validation project

District of Columbia Department of Health – HIV/AIDS Administration

2009

Bureau of Epidemiology

Epidemiology Research Assistant

- Analyzed data and wrote up manuscript on cancer incidence among HIV-positive patients
- Performed record matching of HIV-positive patients across multiple data sources
- Analyzed data for the 2008 Annual Report and Epidemiology Update on HIV/AIDS in the District of Columbia

The GW School of Public Health and Health Services, Washington, D.C

Practicum Experience

Georgetown University - Women's Interagency Health Study

2008–2009

- Survival analysis of the effect of chemokine receptor mutations on time to neurocognitive impairment among HIV-positive women in the Women's Interagency Health Study

CERTIFICATIONS

Applying the QM Rubric for online learning (Drexel University)

2015

Certified in Infection Control (CIC) (PA Department of Health)

2011–2016

MEMBERSHIPS

Society for Epidemiologic Research

2013–Present

Delta Omega Public Health Honor Society Member

Inducted 2009

SERVICE

University

New student writing assessment grader, Drexel University, Dornsife School of Public Health

2015

Journal club leader, University, Dornsife School of Public Health, Department of Epi/Bio

2013–2014

Manuscript Reviewer

Epidemiology, Traffic Injury and Prevention, British Medical Journal Open,
Occupational and Environmental Medicine

2016–Present

Abstract Reviewer

Society for Epidemiologic Research, American Public Health Association, SAVIR

2011–Present

Volunteer

Gift of Life Family House/UVa Club of Philadelphia

2017