

BIOGRAPHICAL SKETCH

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NAME: Bover Manderski, Michelle T.

eRA COMMONS USER NAME (credential, e.g., agency login): bovermi

POSITION TITLE: RBHS Instructor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Maryland, College Park, MD	BS	05/2005	Biological Sciences
UMDNJ-School of Public Health, Piscataway, NJ	MPH	05/2007	Epidemiology
Rutgers School of Public Health, Piscataway, NJ	PhD	05/2019	Epidemiology

A. Personal Statement

I am an epidemiologist with extensive experience in tobacco control research and survey methodology. My research primarily focuses on the epidemiology of health behaviors, particularly tobacco and nicotine product use, survey methodology with an emphasis on measurement of risk behaviors, and the impact of misclassification on estimates of tobacco use and related health effects. As director of the Office of Survey Methods and Data Analysis at CTS, I oversee the development, deployment, and analysis of large surveys and serve as primary data methodologist. I am also Principal Investigator of the CTS Omnibus study, a quarterly survey study of adults designed to rapidly examine awareness, perceptions, and use of extant and emerging tobacco products.

Relevant ongoing and recently completed projects that I would like to highlight include:

Contract, New Jersey Department of Health
Hrywna/Bover Manderski (MPI), Role: Principal Investigator
07/2020-06/2023
Evaluation of the New Jersey Office of Tobacco Control

R01CA190444-01A1, National Cancer Institute
Delnevo/Steinberg (MPI), Role: Co-Investigator
06/2015-05/2021
Physicians' Perceptions, Attitudes, and Communication of E-Cigarettes (PACE)

HHSN271201100027C, NIH/NIDA/FDA
Hyland/Makland (MPI), Role: Co-Investigator
04/2016-11/2024
Family Smoking Prevention and Tobacco Control Act National Longitudinal Study: Population Assessment of Tobacco and Health

Rutgers Cancer Institute of New Jersey Pilot Award
Bover Manderski (PI), Role: Principal Investigator
1/2018-12/2019, \$96,520 (T)
Development and Cognitive Testing of Lung Cancer CT Screening Surveillance Questions

Citations:

1. **Bover Manderski MT**, Steinberg MB, Rahi KN, Banerjee S, *Delnevo CD*. Surveillance of tobacco use among South Asians in the US: Are we underestimating prevalence? *J of Comm Hlth*. 2016;41(6):1140-1145. PMID: 27470121; PMCID: PMC5083167.
2. *Delnevo CD*, Gundersen DA, **Bover Manderski MT**, Giovenco DP, Giovino GA. Importance of survey design for epidemiology of emerging tobacco product use among youth. *Am J Epid*. 2017;186(4):405-410. PMID: 28369184.
3. **Bover Manderski MT**, Black K, Udasin IG, Giuliano AR, Steinberg MB, Ohman Strickland P, Black TM, Dasaro CR, Crane M, Harrison D, Moline J, Luft BJ, Passannante MR, Lucchini RG, Todd AC, Graber JM. Risk factors for head and neck cancer in the World Trade Center Health Program General Responder Cohort: results from a nested case-control study. *Occup Environ Med*. 2019 Nov;76(11):854-860. doi: 10.1136/oemed-2019-105890. Epub 2019 Sep 12.
4. Kota KJ, Ji S, **Bover-Manderski MT**, Delnevo CD, Steinberg MB. Lung cancer screening knowledge and perceived barriers among US physicians. *JTO Clin Res Rep*. 2022 Jul;3(7):100331. doi: 10.1016/j.jtocrr.2022.100331. eCollection 2022 Jul.

B. Positions, Scientific Appointments and Honors

Positions and Scientific Appointments

- 2023 - Chair, Epidemiology Doctoral Qualifying Exam Committee, Rutgers School of Public Health, Piscataway, NJ
- 2022 - Member, New Jersey Behavioral Risk Factor Survey Advisory Committee
- 2021 - Associate Director, Office of Survey Methods and Data Analysis, Rutgers Center for Tobacco Studies, New Brunswick, NJ
- 2020- Member, CINJ Cancer Prevention and Outcomes Data Support Advisory Committee, New Brunswick, NJ
- 2020 - 2022 Member, Epidemiology Doctoral Qualifying Exam Committee, Rutgers School of Public Health, Piscataway, NJ
- 2020 - Associate Member, Cancer Institute of New Jersey, Cancer Prevention and Control Program, New Brunswick, NJ
- 2020 - RBHS Instructor, Department of Biostatistics & Epidemiology, Rutgers School of Public Health, Piscataway, NJ
- 2017 - 2020 RBHS Lecturer, Department of Biostatistics & Epidemiology, Rutgers School of Public Health, Piscataway, NJ
- 2017 - Core Faculty, Center for Tobacco Studies, Rutgers, The State University of New Jersey, New Brunswick, NJ
- 2014-2019 Coadjutant Instructor (Epidemiology), Edward J. Bloustein School of Planning and Public Policy, New Brunswick, NJ
- 2014 - Member, Society for Epidemiologic Research
- 2010 - Member, Society for Research on Nicotine and Tobacco
- 2009 - 2017 Research Teaching Specialist, Center for Tobacco Studies, Rutgers School of Public Health, New Brunswick, NJ
- 2007 - 2009 Research Teaching Specialist, Tobacco Dependence Program, UMDNJ-School of Public Health, New Brunswick, NJ
- 2005 - Member, American Public Health Association

Honors

- 2022 Excellence in Teaching Award, New Jersey Health Foundation
- 2007 Delta Omega Honor Society
- 2004 - 2005 Dean's List, University of Maryland

C. Contributions to Science

My primary research interests are in the epidemiology of health behaviors, particularly tobacco and nicotine product use, and survey methodology with emphasis on measurement of risk behaviors.

1. Survey Methodology

High quality survey design is critical to the conduct of epidemiologic research, particularly for studies that rely upon self-report of health behaviors. My expertise focuses on qualitative and quantitative approaches to enhance survey research which includes cognitive interview techniques as well as empirical studies assessing the impact of survey question order, wording, and format on prevalence estimates.

- a. **Bover Manderski MT**, Black KG, Udasin IG, Black TM, Steinberg MB, Giuliano AR, Luft BJ, Harrison D, Crane MA, Moline J, Passannante MR, Ohman Strickland P, Dasaro CR, Lucchini RG, Todd AC, Graber JM. Retrospective Assessment of Risk Factors for Head and Neck Cancer among World Trade Center General Responders. *Front Public Health*. 2020 Nov 30;8:488057. PMID: 33330296; PMCID: PMC7734028.
- b. **Bover Manderski MT**, Steinberg MB, Wackowski OA, Singh B, Young WJ, *Delnevo CD*. Persistent misperceptions about nicotine among US physicians: Results from a randomized survey experiment. *Int J Environ Res Public Health*. 2021;18(14):7713. PMID: 34300168; PMCID: PMC8306881.
- c. Young WJ, **Bover Manderski MT**, Ganz O, *Delnevo CD*, *Hrywna M*. Examining the impact of question construction on reporting of sexual identity among young adults: Survey experiment among young adults. *JMIR Public Health Surveill*. 2021;7(12):e32294. PMID: 34898444; PMCID: PMC8713107.
- d. LePine SE, Peasley-Miklus C, Farrington ML, Young WJ, **Bover Manderski MT**, *Hrywna M*, Villanti AC. Ongoing refinement and adaptation are required to address participant deception in online nicotine and tobacco research studies. *Nicotine Tob Res*. 2022;ntac194. doi:10.1093/ntr/ntac194. PMID: 35962780.

2. Improving Accuracy of Tobacco Estimates

A focus of my work has been on improving the accuracy of tobacco prevalence and association estimates by understanding the contexts of use, limitations of the data collected, and inferences that can be drawn from these data. Through empirical studies and re-analysis of published data, I have led or contributed to publications designed to improve the validity and reliability of study estimates and their interpretation.

- a. *Delnevo CD*, **Bover-Manderski MT**, *Hrywna M*. Cigar, marijuana, and blunt use among US adolescents: Are we accurately estimating the prevalence of cigar smoking among youth? *Prev Med*. 2011;52(6):475-476. PMID: 21443900; PMCID: PMC3139401.
- b. **Bover Manderski MT**, Giovenco DP, *Delnevo CD*. The Importance of Contextual and Temporal Accuracy When Studying Novel Tobacco Products. *Pediatrics*. 2017;139(5). PMID: 28557767.
- c. **Bover Manderski MT**, Singh B, *Delnevo CD*. E-Cigarette Use and Myocardial Infarction: Importance of a Sound Evidence Base in the E-Cigarette Risks-Benefits Debate. *Am J Prev Med*. 2019;57(4):568-569. PMID: 31542133.
- d. **Bover Manderski MT**, *Delnevo CD*, Warner KE. Toward a More Comprehensive Index of Youth Cigarette Smoking: Average Number of Cigarettes Smoked per Day among Students in the United States over Two Decades. *Int J Environ Res Public Health*. 2021;18(2):478. PMID: 33435523; PMCID: PMC7827857.

3. Epidemiology of Tobacco Product Use

For fifteen years, I have been researching population patterns of tobacco use and cessation behaviors, particularly among special populations including youth and young adults. My research in this area has helped to improve surveillance and understanding of tobacco use in New Jersey as well as nationally. I also serve as a partner on the Population Assessment of Tobacco and Health (PATH) study.

- a. **Bover Manderski MT**, *Hrywna M*, *Delnevo CD*. Hookah use among New Jersey youth: associations and changes over time. *Am J Health Behav*. 2012;36(5):693-699. PMID: 22584096.

- b. Graber JM, **Manderski MTB**, Wackowski OA, Cohen RA, Rose CS, Ahluwalia JS, *Delnevo CD*. Cigarettes, smokeless tobacco and poly-tobacco among workers in three dusty industries. *Journal of Occupational and Environmental Medicine*. 2016;58(5):477-484. PMID: 27158955.
- c. Edwards KC, Naz T, Stanton CA, Goniewicz ML, Hatsukami D, Smith D, Wang L, Villanti A, Pearson J, Blount B, Bansal-Travers M, Feng J, Niaura R, **Bover Manderski MT**, Sosnoff C, *Delnevo C*, Duffy K, Del Valle-Pinero, AY, Rostron B, Everard C, Kimmel HL, van Bommel D, Hyland A. Urinary cotinine and cotinine + trans-3'-hydroxycotinine (TNE-2) cut-points for distinguishing tobacco use from non-use in the United States: PATH Study (2013-2014). *Cancer Epidemiol Biomarkers Prev*. 2021 Jun;30(6):1175-1184. Epub 2021 Apr 7. PMID: 33827982.
- d. **Bover Manderski MT**, Ganz O, Chen-Sankey J. Cross-sectional patterns of cigar use by type in the National Survey on Drug Use and Health survey. In: National Academies of Sciences, Engineering, and Medicine. 2022. *Premium cigars: Patterns of use, marketing and health effects*. Washington, DC: The National Academies Press. doi:10.17226/26421.

Completed List of Published work in My Bibliography:

<https://www.ncbi.nlm.nih.gov/myncbi/1NGKVdHihclcRD/bibliography/public/>