

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Hrywna, Maria

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

POSITION TITLE: Assistant Professor

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
Douglass College, Rutgers University, New Brunswick, NJ	BA	05/1995	Psychology/Comm.
University of North Carolina at Chapel Hill School of Public Health, Chapel Hill, NC	MPH	05/2000	Health Behavior
Rutgers School of Public Health, New Brunswick, NJ	PhD	01/2019	Health Systems&Policy

A. Personal Statement

I am a founding member of the Rutgers Center for Tobacco Studies (CTS), Assistant Professor at the Rutgers School of Public Health, and Member of the Rutgers Cancer institute of New Jersey. I have 25 years of experience coordinating and conducting behavioral science and policy research. My work over the past several years has focused primarily on non-cigarette tobacco products, tobacco policy, and vulnerable populations like youth and young adults. I currently serve on the Oral Nicotine Products Subcommittee of the Health Effects Special Interest Group and the Oral Nicotine Marketing Subcommittee of the Marketing Influences Special Interest Group for the Center for Coordination of Analytics, Science, Enhancement, and Logistics in Tobacco Regulatory Science (CASEL). With Dr. Bover-Manderski, I serve as PI of a contract with the New Jersey Department of Health (NJ DOH) which includes conducting the New Jersey Youth Tobacco Survey (NJYTS) and repeated point of sale data collection in a cohort of retailers around NJ schools (8 waves to-date). With Dr. Delnevo, I also serve as PI on a R01 NCI grant to better understand the impact of increased tobacco age of sale laws. In addition, I have served as co-investigator on several other NIH grants. I have 13 first authored manuscripts and co-authored more than 40 other manuscripts, largely related to tobacco. I am currently a member of the Society of Scholars.

Ongoing projects I would like to highlight include:

U54CA229973-03, NIH/NCI/FDA
Strasser/Delnevo (MPI); Role: Co-Investigator
09/2018-08/2023

Examining the Effects of Advertising, Packaging and Labeling on Perceptions, Use and Exposure of Combustible Tobacco Products

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

R01CA231139, NIH/NCI

Delnevo/Hrywna (MPI); Role: Principal Investigator

07/2018-06/2023

Adoption, diffusion, and implementation of Tobacco 21 policies to address health disparities

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

Citations:

1. **Hrywna M**, Grafova IB, *Delnevo CD*. The Role of Marketing Practices and Tobacco Control Initiatives on Smokeless Tobacco Sales, 2005-2010. *Int J Environ Res Public Health*. 2019 Sep 28;16(19). pii: E3650. doi: 10.3390/ijerph16193650. PMID: 31569394; PMCID: PMC6801680.
2. *Delnevo CD*, **Hrywna M**, Miller Lo E, Wackowski OA. Examining market trends in smokeless tobacco sales, 2011-2019. *Nicotine Tob Res*. 2021 Aug 4;23(8):1420-1424. doi: 10.1093/ntr/ntaa239. PMID: 33241271; PMCID: PMC8360632.
3. **Hrywna M**, Lewis MJ, Ling PM. Nicotine Pouch Unit Sales in the US From 2016 to 2020. *JAMA*. 2021;326(22):2330-2331. PMID: 34905036.
4. **Hrywna M**, Gonsalves N, *Delnevo CD*, Wackowski OA. Nicotine pouch product awareness, interest, and ever use among U.S. adults who smoke, 2021. *Tob Control*. 2022 Feb 25:tobaccocontrol-2021-057156. doi: 10.1136/tobaccocontrol-2021-057156. Online ahead of print. PMID: 35217596; PMCID: PMC9402802.

B. Positions, Scientific Appointments and Honors

Positions and Scientific Appointments

2022 -	Member, Oral Nicotine Products Subcommittee, Health Effects Special Interest Group, Center for Coordination of Analytics, Science, Enhancement, and Logistics in Tobacco Regulatory Science (CASEL)
2022-	Member, Oral Nicotine Marketing Subcommittee, Marketing Influences Special Interest Group, Center for Coordination of Analytics, Science, Enhancement, and Logistics in Tobacco Regulatory Science (CASEL)
2019 -	Assistant Professor, Department of Health Behavior, Policy, & Society, Rutgers University - School of Public Health, New Brunswick, NJ
2011 -	Associate Member, Cancer Institute of New Jersey
2002 - 2019	Instructor, Department of Health Behavior, Policy, & Society, Rutgers University - School of Public Health, New Brunswick, NJ
2002 -	Member, Society for Research on Nicotine and Tobacco
2002 -	Member, Society for Public Health Education
2002 -	Member, New Jersey Public Health Association
1996 -	Member, American Public Health Association

Honors

2001	National Science Foundation Travel Scholarship, 2001 Evaluators' Institute
1995	Seymour Arnoff Memorial Award for Most Outstanding Graduate in Mass Communication, Rutgers University
1995	Highest Honors in Communication, Rutgers University
1995	Mabel Smith Douglass Honors Thesis, Douglass College, Rutgers University
1994	Golden Key National Honor Society, Rutgers University
1994	Psi Chi, National Honor Fraternity for Psychology, Rutgers University
1991 - 1995	Dean's List, Douglass College, Rutgers University

C. Contributions to Science

Many projects that I worked on over the past decade resulted in contributions to the field in four main areas: 1) non-cigarette tobacco products, 2) qualitative research, 3) survey methods research, and 4) surveilling the tobacco market.

1. Assessing trends in non-cigarette tobacco products

A significant portion of my research focused on trends in non-cigarette tobacco use. This work has included using traditional tobacco surveillance surveys as well as more unconventional data sources such as tobacco industry documents, retail scanner data, and tobacco import data. I served as co-investigator on two R21 grants on smokeless tobacco (PI: Delnevo) and our publications on smokeless tobacco market trends using retail scanner data have been widely cited. In addition, we were one of the first groups to publish on nicotine pouch prevalence and promotion.

- a. *Delnevo CD, Wackowski OA, Giovenco DP, Bover Manderski MT, Hrywna M, Ling PM. Examining market trends in the United States smokeless tobacco use: 2005-2011. Tob Control. 2014 Mar;23(2):107-12. PMID: 23117999; PMCID: PMC3604094.*
- b. *Talbot EM, Giovenco DP, Grana R, Hrywna M, Ganz O. Cross-promotion of nicotine pouches by leading cigarette brands. Tob Control. 2021 Oct 20:tobaccocontrol-2021-056899. doi: 10.1136/tobaccocontrol-2021-056899. Epub ahead of print. PMID: 34670870; PMCID: PMC9018875.*
- c. *Ling PM, Hrywna M, Talbot EM, Lewis MJ. Tobacco Derived Nicotine Pouches: A content analysis of brands and marketing messages on internet and traditional media. JMIR Formative Research [Preprint] April 29, 2022. Available from <http://doi.org/10.2196/preprints.39146>*
- d. *Rose SW, Annabathula A, Westneat S, Hrywna M, Ackerman C, Sesay M, Delnevo C, van de Venne J, Lee J, Giovenco D, Spillane T, Hudson S. Neighborhood distribution of availability of newer tobacco products: A four-site study, 2021. Prev Medicine Rep, Available online 19 October 2022, <https://doi.org/10.1016/j.pmedr.2022.102028>*

2. Qualitative Research

I have also been involved with research using a variety of qualitative methods including focus groups, semi-structured interviews, case studies, as well as content analysis of advertisements and newspaper articles. These projects have largely focused on evaluating the impact of tobacco policy and/or have implications for policy and practice.

- a. *Hrywna M, Adler RK, Delnevo CD, Slade JD. Content analysis and key informant interviews to examine community response to the purchase, possession, and/or use of tobacco by minors. J Community Health. 2004;29(3):209-216. PMID: 15141896.*
- b. *Hrywna M, Lewis MJ, Mukherjea A, Banerjee SC, Steinberg MB, Delnevo CD. Awareness and Use of South Asian Tobacco Products Among South Asians in New Jersey. J Community Health. 2016 Dec;41(6):1122-1129. PMID: 27256410; PMCID: PMC5083141.*
- c. *Singh B, Hrywna M, Wackowski OA, Delnevo CD, Jane Lewis M, Steinberg MB. Knowledge, recommendation, and beliefs of e-cigarettes among physicians involved in tobacco cessation: A qualitative study. Prev Med Rep. 2017 Aug 5;8:25-29. PMID: 28831370; PMCID: PMC5555092.*
- d. *Hrywna M, Singh B, Wackowski OA, Hudson SV, Delnevo CD. Can states continue to set the agenda for Tobacco 21? Insights from U.S. News Coverage between 2012-2020. Nicotine Tob Res. 2022 Jan 29:ntac025. doi: 10.1093/ntr/ntac025. Epub ahead of print. PMID: 35092441; PMCID: PMC9278834.*

3. Survey Methodology

Understanding population-level trends in tobacco use requires ongoing surveillance of tobacco products including state and national surveys. My work in this area has focused on assessing trends in consumption of specific tobacco products (e.g., e-cigarettes, hookah) and specific populations (e.g., youth, young

adults). In addition, primarily with Drs. Bover Manderski and Delnevo, I have explored issues of survey mode as well as question wording, and format on prevalence estimates.

- a. Casseus M, Garmon J, **Hrywna M**, *Delnevo CD*. Cigarette smokers' classification of tobacco products. *Tob Control*. 2016 Nov;25(6):628-630. doi: 10.1136/tobaccocontrol-2015-052535. Epub 2015 Nov 24. PMID: 26604260.
- b. **Hrywna M**, *Bover Manderski MT, Delnevo CD*. Prevalence of Electronic Cigarette Use Among Adolescents in New Jersey and Association With Social Factors. *JAMA Network Open*. 2020;3(2);e1920961. doi:10.1001/jamanetworkopen.2019.20961. PMID: 32049291; PMCID: PMC7087400.
- c. Young WJ, *Bover Manderski MT, Ganz O, Delnevo CD, Hrywna M*. Examining the Impact of Question Construction on Reporting of Sexual Identity: Survey Experiment among Young Adults. *JMIR Public Health Surveill*, 2021 Dec 13;7(12):e32294. doi: 10.2196/32294. PMID: 3489844; PMCID: 8713107.
- d. Mazzilli K, *Bover Manderski M, Delnevo CD, Hrywna M*. A pilot feasibility study of an online youth tobacco survey administration among high school students. *Inter J Environ Res Public Health*. 2022, 19(16):9911. <https://doi.org/10.3390/ijerph19169911>. PMID: 36011544; PMCID: PMC9408189.

4. Tracking the tobacco market and tobacco marketing at the point of sale

As part of our work with NJ DOH, we have conducted repeated monitoring of the retail environment in the same group of licensed tobacco retailers located within a half-mile radius of high schools that participated in the 2014 New Jersey Youth Tobacco Survey (NJYTS). We conduct annual store audits to assess tobacco product availability and advertising. In addition, as part of our R01 on Tobacco 21, we conduct tobacco product availability audits in stores before underage buyers attempt tobacco purchases in these same stores. The audits have been modified over time to capture emerging products like flavored disposable e-cigarettes, tobacco-free nicotine pouches, etc. This work has informed several peer-reviewed publications as well as several reports to NJ DOH.

- a. Giovenco DP, Ackerman C, **Hrywna M**, *Delnevo CD*. Changes in the availability and promotion of non-cigarette tobacco products near high schools in New Jersey, USA. *Tob Control*. 2018 Sep;27(5):578-579. doi: 10.1136/tobaccocontrol-2017-053800. Epub 2017 Aug 10. PMID: 28798262; PMCID: PMC5997549.
- b. Jeong M, Kurti MK, **Hrywna M**, Ackerman C, *Delnevo CD*. Changes in Tobacco Product Advertising at Point of Sale: 2015-2018. *Pediatrics*. 2020 Jun;145(6):e20191861. doi: 10.1542/peds.2019-1861. Epub 2020 May 21. PMID: 32439814; PMCID: PMC7263045.
- c. *Delnevo C*, Giovenco DP, **Hrywna M**. Rapid proliferation of illegal pod-mod disposable e-cigarettes. *Tob Control*. 2020 Dec;29(e1):e150-e151. doi: 10.1136/tobaccocontrol-2019-055485. Epub 2020 Jan 30. PMID: 32001606; PMCID: PMC7390658.

Complete List of Published Work in My Bibliography:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/mary.hrywna.1/bibliographahy/50371797/public/?sort=date&direction=ascending>