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University of Illinois Chicago
School of Public Health (M/C 971)
Division of Environmental and Occupational
Health Sciences
1603 West Taylor Street, Room 1057
Chicago, Illinois 60612

EDUCATION

- 2005-2006 Ph.D., University of Illinois at Chicago, School of Public Health, Department of Environmental and Occupational Health Sciences, *Occupational Injuries Among Illinois Workers*. (Chair: Dr. Linda Forst)
- 2003-2005 MSc., University of Illinois at Chicago, School of Public Health, Department of Environmental and Occupational Health Sciences, *Predictors of Elevated Blood Cadmium and Lead Among 3 Year Old Ukrainian Children*. (Chair: Dr. Daniel Hryhorczuk)
- 1990-1994 B.A., University of California at San Diego, Psychology

PROFESSIONAL EXPERIENCE

- 2022 - Professor, University of Illinois School of Public Health
- 2020- Co-Director w/Dr. Holloway-Beth of the Law Enforcement Epidemiology Project
- 2018- Director of Illinois Occupational Surveillance Program (NIOSH)
- 2018 - 2019 Interim Division Director, EOHS, UIC School of Public Health
- 2014 - 2022 Associate Professor, University of Illinois School of Public Health
- 2010 - 2014 Assistant Professor, University of Illinois School of Public Health
- 2007 - 2010 Assistant Professor (Research), University of Illinois School of Public Health
- 2003 - 2005 Doctoral Candidate, University of Illinois, Chicago, IL
- 2002 - Director, Social Policy Research Institute, Skokie, IL
- 1997 - 2002 Research Associate, Unit of Occ/Environ Medicine, Hebrew University, Israel

TEACHING

Courses Taught – University of Illinois at Chicago School of Public Health

Course Instructor

Injury Epidemiology and Prevention (EOHS 571), Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2016, Spring 2017, Spring 2018, Spring 2019, Spring 2020, Spring 2022

PhD Student Seminar in Environmental Health (EOHS 595), Fall 2012, Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017, Fall 2018, Fall 2019

Ethics and Justice in Environmental and Occupational Health (EOHS 401; co-instructor), Fall 2018, Fall 2019

MPH Capstone Course, Spring 2018

Guest Lecturer

Advanced Quantitative Methods in Epidemiology (EPI 501) (Spring 2008, Spring 2009)

Injury Epidemiology and Prevention (EOHS 571) Guest Lecturer (Spring 2008, Spring 2009)

Occupational Diseases (EOHS 551) (Spring 2007, Fall 2017)

Biological Determinants of Health (Spring 2017)

Exposure Assessment Strategies (EOHS 501) – Fall 2019

Student Advisor and Mentorship

- Brett Shannon - Academic advisor, PhD Preliminary Examination Committee chair (2021-)
- Hannah Matzke – Academic advisor, PhD Preliminary Examination Committee chair (2016-18); PhD Dissertation Committee chair (2018-)
- Naomi Nemoto, Co Phd Dissertation Committee Chair (2017-), PhD Preliminary Examination Committee, member (2016)
- Michelle Hathaway – PhD Dissertation Committee Member (2020-)
- Melissa Gutierrez-Kapheim – PhD Dissertation Committee Member (2019-)

- Hamed Hamza, PhD Preliminary Examination Committee member (2022)
- Bhagya Dewage, PhD Preliminary Examination Committee member (2022)
- Megan Kowalczyk, PhD Preliminary Examination Committee member (2022)
- Alexandra Lopez – MS Thesis Committee Member (2019-2021)
- Sudeshna De - Academic advisor, MSc Thesis Committee chair (2018-2020)
- Michael Scott - MPH Capstone Advisor (2020)
- Krystal Henderson – Academic Advisor and MPH Capstone Advisor (2018-2020)
- Karen Segura – MSc Thesis Committee Member (2019-2020)
- Natalia Rog – MPH Academic Advisor (2017-2019); Capstone Advisor (2019)
- Randal Bernthal– MPH Academic Advisor (2017-2019); Capstone Advisor (2019)
- Dana Madigan - Academic advisor, PhD Dissertation Committee chair (2015-19)
- Emmanuel Kyeremateng-Amoah - PhD Preliminary Examination Committee member (2016-18); PhD Dissertation Committee member (2017-19)
- Zhenna Huang – Academic advisor; PhD Preliminary Examination Committee chair; PhD Dissertation Committee chair (2015-18)
- Lorenzo Pitts – MPH Capstone Advisor (2019)
- Mamdouh Alsulaimani – Independent research advisor (2019; occupational health in Saudi Arabia)
- Aditi Vyas - Capstone Advisor (2019)
- Gregory Ajayi – MPH Capstone Reader (2019)
- Anushree Tiwari - Academic advisor, MPH Capstone Advisor (2016-18)
- Andrea Calahorrano - Capstone Advisor (2018)
- Gloria Chang - Capstone Advisor (2018)
- Sheila Mullen - - Capstone Advisor (2018)
- Eric Dangoy - Independent research advisor and MPH Capstone Advisor (2017)

- Martin Flores- Independent research advisor and MPH Capstone Advisor (2017)
- Jonathan Stawicki- Independent research advisor and MPH Capstone Advisor (2017)
- Tania Rojas Hernandez- Independent research advisor and MPH Capstone Advisor (2017)
- Wondowossen Zenebe- Independent research advisor and MPH Capstone Advisor (2017)
- Mohamad Farris- Independent research advisor and MPH Capstone Advisor (2017)
- Sithembile Mabila – PhD Preliminary Examination Committee, member; PhD Dissertation Committee, Chair (2015-17)
- Linda Go - Independent research advisor and MPH Capstone Advisor (2015-16)
- Alison Krajewski - PhD Dissertation Committee Chair (2014-2016)
- Yangyang Liu - Independent research advisor for publication (2015-16)
- Katie Ozenberger – MSc Thesis Committee, member (2016)
- Minh Tran – Independent Study (2016)
- Jonathan Stawicki – MPH academic advisor (2015-2017)
- Tania Rojas Hernandez – MPH academic advisor (2015-2017)
- Liza Topete – MSc Thesis Committee, member (2016)
- Rosalinda Fitts - Independent research advisor and MPH Capstone Advisor (2015-16)
- Hannah Matzke - Independent research advisor and MSc Committee (2015-16)
- Sara Wuellner – PhD dissertation committee member (2015)
- Allison Lale – Independent research advisor for publication (2015)
- Dana Madigan - PhD Preliminary Examination Committee chair (2015)
- Andrew Gordon - Capstone Advisor for MD/MPH program (2014-2015)
- Sumeet Batra - Capstone Advisor for MD/MPH program (2014-2015)

- Michelle Wueste - Capstone Advisor for MD/MPH program (2015)
- Poonam Kutre - Capstone Advisor for MPH program (2015)
- Sithembile Mabila – Independent research advisor (2014)
- Gabriela Gracia - Independent research advisor (2014)
- Michelle Wueste - Independent research advisor (2014)
- Dana Madigan - Independent research advisor (2014)
- Zhenna Huang - MSc Committee chair (2014)
- Alison Krajewski – PhD Preliminary Examination Committee chair (2014)
- Dana Madigan – Academic Advisor (2013-2014)
- Joseph Benitez – PhD Committee member (2013)
- Brian Chin – MSc Committee chair (2013)
- Alison Krajewski – Research mentor and PhD advisor (2012-2013)
- Amy Allegretti – Capstone Advisor for MD/MPH program (2012-2013)
- Patience Oladeinde - Capstone Reader/Advisor for MPH program (2013)
- Viraj Vora – Independent research advisor (2012)
- Vikrum Ramaswamy - MSc Committee member (2012)
- Peter Ruestow – PhD Preliminary Examination Committee chair (2012)
- Shirley Sheppard – PhD Preliminary Examination Committee chair (2012)
- Donnell Young – PhD Preliminary Examination Committee member (2012)
- Stephanie DeFlorio – PhD Preliminary Examination Committee member (2012)
- Shanti Ganesh – PhD Preliminary Examination Committee member (2012)
- Nicole Patino - Capstone Advisor for MD/MPH program (2011-12)
- Paresh Lakhani - Capstone Advisor for MD/MPH program (2011-12)

- Freda Holloway-Beth - PhD Dissertation Committee Chair (2010-2012)
- April Toomey - MSc Committee Chair (2011, 2012)
- Matt Hornyak - MSc Committee Chair (2010, 2011)
- Colin M Krupczak - MSc Committee Chair (2010, 2011)
- Brian Hughes - Capstone Advisor for MD/MPH program (2011)
- Abraham Chukwu - Capstone Reader/Advisor for MD/MPH program (2011)
- Shirley Sheppard - Independent research project advisor, with publication (2010, 2011)
- Peter Ruestow - Research Assistantship mentor (2010, 2011, 2012)
- Shile Liang– MSc Committee Chair, Research Assistant mentor (2008, 2009, 2010)
- Leah Stokes - MSc Committee Chair (2009, 2010)
- Rita Eleu - Capstone Advisor (2010)
- Ifeanyi Beverly Abadom - Capstone Advisor (2010)
- Alfreda Holloway – Preliminary Examination Committee Member (2009)
- Kingsley Ndubisi Anurugwo, MPH – - Capstone Advisor (2009)
- Atenea Robles, MPH Student - - Capstone Advisor (2009)
- Juan Alvarez, MPH Student – Capstone Reader/Advisor (2009)
- Soren Usoroh - - Capstone Advisor (2009)
- Marina Klein, PhD candidate – Doctoral Dissertation Committee Member (2008, 2009)
- Yan Wu, MSc student - Research Assistantship mentor (2008)
- Ryan Zimmerman, MPH student - Research Assistantship mentor (2008)
- Pinal Modi, MPH student – - Capstone Advisor (2008)
- Reed Engel - Doctoral Dissertation Committee Member, External Member (Purdue University; 2009)

UNIVERSITY SERVICE

School of Public Health Committees

MPH Oversight Committee, Member (2019-2020)

Committee on Academic Progress, Member (2017-2018, 2019)

Executive Committee, member (2015-2017; 2019-2020; 2021-)

Committee on Academic Progress, Member (2013-2014)

Committee on Academic Progress, Chair (2011-2013, 2018)

Committee on Academic Progress, Member (2010-2011, 2017)

Environmental and Occupational Health Sciences Division Committees

EOHS Division Director Search Committee (2020-21)

EOHS Climate and Environmental Health Faculty Search Committee (2020-21)

Student Admissions Committee (2011-2021)

Industrial Hygiene Faculty Search Committee, Chair (2019-2020)

Curriculum Committee (2017-2021)

Division Director Search Committee, Member (2018)

Division of Epidemiology Faculty Search Committee (2015)

RESEARCH & TRAINING SUPPORT

FUNDED SUPPORT

Grant #CDC-NIOSH Grant	Friedman (PI)	Dates: 2021-2026
National Institute of Occupational Safety and Health		
This will be the third renewal of the occupational health and safety surveillance program in the State of Illinois. This project continues to develop a collaborative, integrated occupational health and safety surveillance program in the State of Illinois. This expanded program is similar to a Center grant. The expanded program involves three projects: (1) core fundamental surveillance program (Friedman, PI and Lead), (2) OSHA coordination project (Friedman, Lead), and (3) Pesticide surveillance in Illinois (Forst, Lead)		
Role: Principal Investigator and Project Lead on 2 projects		Amount Funded: \$2,525,730

Grant #CDC-NIOSH Grant Forst (PI – Ag Center) Dates: 2022-2027
This research project as part of a larger Illinois NIOSH funded Agriculture Safety Center will (1) develop a comprehensive and integrated state-based occupational health surveillance system for identifying and characterizing WRIIs among hired farmworkers utilizing existing data systems that principally capture acute, moderate to severe illnesses and injuries; (2) integrate outpatient health data from FQHCs serving FW communities into our surveillance data repository, which would capture minor and chronic injuries and health conditions; and (3) in collaboration with the Outreach Core and External Advisory Board, translate evidence-based surveillance findings for targeted stakeholders for adoption, adaptation, integration, scale-up and sustainability in Illinois, the Midwest, and across the country.
Role: Co-Investigator Amount Funded: \$ \$1,179,537 (5-year total)

Grant #CDC-NIOSH Grant Friedman (PI) & Madigan (Project Lead) Dates: 2021-2022
The purpose of this project is to build on prior work aimed at strengthening occupational surveillance and utilize surveillance data to inform policies for safe return to work, as well as reduce and prevent work-related COVID-19 exposures and outbreaks. The data will be used to identify high risk subgroups of workers and occupations/industries, evaluate the efficacy of public health actions on transmission in the workplace, and inform ongoing prevention strategies for infectious diseases.
Role: PD/PI and Co-Investigator Amount Funded: \$74,324

Grant #CDC-NIOSH Grant Friedman (PI) & Forst (Project Lead) Dates: 2021-2022
The goal of this project is to increase vaccine uptake among low-wage, essential workers. We will build on our partnership with the Chicago Workers Collaborative (CWC), a workers' center in Chicagoland that addresses the health and safety of low-wage workers with a particular focus on those hired through temporary staffing companies. The primary strategy is to scale up the Mobile Vaccine POD (point of dispensing) Program, bringing COVID-19 educational workshops-- via social media and community forums--and mobile vaccine pods to the places where essential workers are located: their neighborhoods, apartment complexes, trailer parks, factories, warehouses, supermarkets, laundromats, food pantries, schools, and faith communities.
Role: PD/PI and Co-Investigator Amount Funded: \$76,448

Grant #CDC-CCDPH Grant Friedman (co-PI) Dates: 2020-2022
Opioid Data to Action
Conduct surveillance activities to monitor and gather data about the scope and nature of the overdose problem in Cook County, Illinois. We are currently under review for a third year extension through 2022 (additional ~\$100,000 funding).
Role: Co-Principal Investigator Amount Funded: \$158,837

Grant #CDC-NIOSH Grant Friedman (PI) Dates: 2015-2021
National Institute of Occupational Safety and Health
This project continues to develop a collaborative, integrated occupational health and safety surveillance program in the State of Illinois.
Role: Principal Investigator Amount Funded: \$959,994

Grant #T42OH008672 NIOSH ERC Buchanan (PI) Dates: 2015-2021
National Institute of Occupational Safety and Health

The Great Lakes Center for Occupational Health and Safety (GLC-OHS) is a recognized leader in the national and international movement to promote healthier workplaces and workers. The center is one of 18 Education and Research Centers (ERC) funded by the National Institute for Occupational Safety and Health. The primary purpose of the grant is to train the next generations of occupational safety and health professionals.

Role: Co-Investigator

Grant #1NU61TS0002960100 ATSDR Buchanan (PI) Dates: 2019-2020
ATSDR

Pediatric Environmental Health Specialty Unit Program was funded to investigate community exposure to ethylene oxide. The community in northern Illinois was home to two facilities that emit EtO. One of the facilities sterilizes medical equipment, the other manufactures chemicals.

Role: Co-Investigator

Grant # ALPHA V Almberg (PI) Dates: 2020-2022
Alpha Foundation

Evaluation of injuries caused by extended work hours among miners and evaluation of financial conflict of interest among b readers involved in medical determinations in legal proceedings in the US Coal Mine Workers' Compensation Program.

Role: Co-Investigator

Grant # ALPHA II Cohen (PI) Dates: 2016-2018
Alpha Foundation

Linkage of Active Miner Surveillance, Former Miner Disability Evaluations, and Mortality Data Sets to Evaluate and Prevent Lifetime Risk of Cardiopulmonary Disease in U.S. Miners, 2016-2018.

Role: Co-Investigator

Grant # DOL/MSHA Cohen (PI) Dates: 2014-2015
Department of Labor / Mining Safety and Health Administration

The purpose of this study is to evaluate whether injury and illness among miners in Illinois are underreported to the MSHA Part 50 program, using the data sources housed and managed by the UIC SPH.

Role: Co-Investigator

Grant # RRF Friedman (PI) Dates: 2013-2016
Retirement Research Foundation

The purpose of this study is to conduct a multi-center, cohort study of victims of elder mistreatment treated in five major hospitals in the Greater Chicago metropolitan area. This study will capture incidents of physical abuse and caregiver neglect that result in hospitalization. Suspected mistreatment cases and the comparison group will be identified through a state trauma registry and a database of inpatient records. This study will provide a better understanding of the magnitude, nature, determinants and outcomes associated with severe cases of elder mistreatment. In addition, the findings will help develop an appropriate screening tool for hospitals with the goal of improving reporting of suspected mistreatment cases to APS and other investigative bodies. In turn this will improve law enforcement's ability to identify and prosecute perpetrators.

Role: Principal Investigator

Amount Funded: \$136,624

Grant # IWCC

Friedman (PI)

Dates: 2013-2016

Illinois Workers' Compensation Commission

A contract between the UIC School of Public Health Division of Environmental and Occupational Health Sciences and the Illinois Workers' Compensation Commission. In the proposed a contractual arrangement, UIC will take over IWCC's data management, analysis and reporting services. The contract is intended to be ongoing without a set term.

Role: Principal Investigator

Amount Funded: \$155,045

Grant # NIH

Buchanan (PI)

Dates: 2013-2014

Environmental Protection Agency

Intervention program to reduce fish consumption in pregnant women in order to reduce fetal exposures to mercury. The target population for the study are women receiving prenatal care at private obstetric practices in the Great Lakes Region in the Greater Chicago Metropolitan area during the years 2012 and 2013.

Role: Co-Investigator

Grant # CDC/AAPCC

Friedman (PI)

Dates: 2013

Centers for Disease Control and Prevention

The goal of this proposal is to characterize drinking water related calls reported to the Illinois poison center and adequately assess the feasibility and potential impact of recommended improvements to our coding system in improving the capture of exposures to contaminated water intended for drinking

Role: Principal Investigator

Amount Funded: \$22,500

Grant # PORTES Grant

Girotti (PI)

Dates: 2012-2013

University of Illinois School of Medicine PORTES Grant

The goal of the project is to evaluate the impact the Longitudinal Community Rotation component of the University of Illinois Urban Medicine curriculum on students, community partners, and community residents. These projects take place in underserved communities where health disparities exist.

Role: Co-Investigator

Amount Funded: \$68,325

Grant # CPWR Research Grant

Friedman (PI)

Dates: 2010-2011

CPWR — The Center for Construction Research and Training

This is a data linkage project of three State population-based registries involving injuries in construction workers. The outcomes of this study will elucidate detailed information on ethnic disparities associated with workers' compensation claims, and will make available a continuum of information on in-hospital care, long-term disability and level of compensation for injured construction workers.

Role: Principal Investigator

Amount Funded: \$30,000

Grant # CCDPH Research Grant

Friedman (PI)

Dates: 2010-2011

Cook County Department of Public Health

The overall goal of this research project is to determine whether the closing of the St. James Olympia Fields trauma unit has resulted in an increase in adverse outcomes in those injured across the affected region. The data linkage of three trauma related datasets will allow us to evaluate the impact of closing the St. James Olympia Fields trauma unit across the continuum of care, from pre-hospital through hospital discharge.

Role: Principal Investigator

Amount Funded: \$81,145

Grant #EPA Grant

Buchanan (PI)

Dates: 2010-2013

Environmental Protection Agency

Implement an learner centered web-based CME curriculum on the health benefits and risks of fish consumption. Acquisition/retention of knowledge and practice behaviors changes among prenatal service providers' will be assessed.

Role: Co-Investigator

Grant #CDC-NIOSH Grant

Forst (PI)

Dates: 2010-2014

National Institute of Occupational Safety and Health

This project establishes a collaborative, integrated occupational health and safety surveillance program in the State of Illinois.

Role: Co-Investigator

Amount Funded: \$625,000

Contract

Forst (PI)

Dates: 2006-2014

Illinois Workers Compensation Commission. "Workers Compensation Surveillance."

Gives access to Workers Compensation First Reports of Injury and Claims databases in Illinois.

Role: Co-Investigator

Grant #IPC Cooperative Grant

Friedman (PI)

Dates: 2009-2009

Illinois Poison Center / Centers for Disease Control

Toxicosurveillance project using Illinois Poison Center data. The objective of the project is to evaluate the efficacy of poison center data in identifying exposures to radiation.

Role: Principal Investigator

Amount Funded: \$45,000/\$50,000

Grant #CPWR Research Grant

Forst (PI) & Friedman (Co-PI)

Dates: 2008-2009

CPWR — The Center for Construction Research and Training

Establish construction injury surveillance in the State of Illinois through the use of the Illinois Workers Compensation Commission First Reports of Injury and Claims

Role: Co-Principal Investigator

Amount Managed/Funded: \$30,000/\$30,000

Grant # Research Grant

Joseph (PI)

Dates: 2008-2009

The Retirement Research Foundation

Multi-center case control study of victims of elder abuse treated in two level I trauma units in the greater Chicago metropolitan area.

Role: Lead-Investigator

Amount Managed/Funded: \$40,000/\$50,000

Grant #IPC Cooperative Grant

Hryhorczuk (PI)

Dates: 2007-2008

Illinois Poison Center / Illinois Department of Public Health / Centers for Disease Control

Toxicosurveillance project using Illinois Poison Center data. The objective of the project is to train IPC personnel in surveillance and develop an effective early warning system in the state of Illinois.

Role: Co-Investigator

Amount Managed/Funded: \$150,000

Grant #3 T42/CCT522954-01
NIOSH

Conroy (PI)

Dates: 2007-2008

Training Grant for Occupational Health Professionals.

Role: Co-Investigator

Funded: \$10,000/~\$600,000

Grant #77281646

Forst (PI)

Dates: 2007-2008

Illinois Department of Public Health

Provide support for the strategic planning process to upgrade the EMS system. Database management of state Illinois trauma registry. Mentoring students in data cleaning, linkage, deduplication theory and practice.

Role: Co-Investigator

Funded: \$18,000/\$125,000

Grant #R01 D43 TW00653

Hryhorczuk (PI)

Dates: 2001-2007

NIH / Fogarty International Center/ NIEHS / NIOSH / ATSDR

The Children of Ukraine cohort is a longitudinal, geographically based study that follows children from birth through 7 years of age.

Role: Co-Investigator

Funded: ~\$600,000

Grant #3 T42 OH008672-02S1

Friedman (PI)

Dates: 2006-2007

NIH / NIOSH / NIOSH Small Grants Project

Assess the electronic and print copies of the State of Illinois First Reports of Occupational Injury, and establish a database for state surveillance projects.

Role: Principal Investigator

Funded: \$16,000

Kishon Zalul Foundation (NGO)

Richter (PI)

Dates: 2002-2003

Evaluation of exposures and risk of cancer among naval divers with prolonged underwater exposures to many toxics in the Kishon water system.

Role: Co-Investigator

Funded: \$10,000

British Friends of Hebrew University Richter (PI)

Dates: 2004-2006

Road injury surveillance projects in Israel, United Kingdom and United States. Evaluate role of travel speeds on injuries, deaths and case fatality rates.

Role: Co-Investigator

Funded: \$5,000

Society for Education and Health (NGO) Richter (PI)

Dates: 2005

Investigative study of a cluster of cancer cases occurring in a residential community adjacent to a radar and telecommunications antennae field.

Role: Co-Investigator

Funded: \$5,000

International Student Trust (NGO) Richter (PI)

Dates: 2003

Survey of truck drivers from various ports to determine occupational and individual predictors of fatigue, falling asleep at the wheel, and involvement in crashes with injuries and deaths.

Role: Co-Investigator

Funded: \$5,000

PEER REVIEW EXPERIENCE

- Accident Analysis & Prevention
- Acta Paediatrica
- American Journal of Industrial Medicine
- American Journal of Public Health
- Annals of Work Exposures and Health
- Archives of Environmental and Occupational Health
- Canadian Medical Association Journal
- Clinical Toxicology
- Injury
- Injury Prevention
- International Journal of Occupational and Environmental Health
- Journal of the American Geriatrics Society
- Journal of Environmental Management
- Journal of Elder Abuse and Neglect
- Journal of Gerontology: Social Sciences
- Journal of Occupational and Environmental Medicine
- Journal of Trauma Management & Outcomes
- Occupational and Environmental Medicine
- Pharmacoepidemiology and Drug Safety
- PLOS One
- Public Health Reports
- Violence Against Women

SELECTED HONORS

- Golden Apple Nominee, 2012, 2013, 2020
- Scientist of the Week, Laboratory Equipment Magazine (circ. 70,000), 2012
- Delta Omega Honor Society (Lambda Chapter), 2007
- Recognized by the American College of Physicians for important research in medicine and health, 2005
- Marcus and Theresa Levie Educational Scholarship, 2005

- Marcus and Theresa Levie Educational Scholarship, 2004
- International Scholarship Foundation, Young Investigator Scholarship, 1997

INTERVIEWS AND CITATIONS IN LAY MEDIA

- CNN
- NBC 5 Chicago News
- The Atlantic
- NPR - WBEZ Radio (Chicago), WHYY (Philadelphia)
- WBBM Radio (Chicago)
- Wall Street Journal
- New York Times
- U.S. News and World Report
- Business Week
- Boston Globe
- Chicago Tribune
- Chicago Sun Times
- JAMA News
- Occupational Hazards
- Occupational Health and Safety
- Charlotte Observer
- Congressional Quarterly
- Laboratory Equipment
- The Jerusalem Post
- Reuters Health
- FOX News (Chicago)
- KPRC-TV (Texas; CBS Affiliate)
- WSYR9-TV (New York, NBC Affiliate)

PROFESSIONAL MEMBERSHIPS

- 2002- 2005 Member, American Industrial Hygiene Association
- 2003- 2005, Member, American Public Health Association
- 2007- 2010, Latino Outreach Advisory Board (Chicago, Board Member)
- 2007- 2009, Emergency Medical Systems Strategic Planning Committee (Member, Illinois)
- 2008- Workers' Compensation Research Group (Member, National)

- 2009- Council of State and Territorial Epidemiologists, Occupational Health Surveillance Working Group (Member, National) & Occupational Health Indicator State Lead
- 2010- The Midwest Injury Prevention Alliance (Board Member, Regional)
- 2014- American Association of Poison Control Centers, ICD9-10 mapping to AAPCC Generic Code Work Group.
- 2019- Washington State Advisory Committee Firefighter Disease Presumption Laws (Workers' Compensation Statutes).
- 2020 - Suburban Cook County Opioid & Substance Use Advisory Council (Board Member, Regional)

PEER REVIEWED PUBLICATIONS

*E. Ben Michael is Israeli pseudonym for Lee Friedman.

Underlined name indicates senior authorship. In the field of public health, the first author listed is the lead senior author and the last author listed is typically the senior author that led the grant, data acquisition, research direction, and/or mentoring of a lead student author.

1. Ginsberg G, Fletcher E, **Ben-Michael E**, Richter ED. How Many Shall Live? How Many Shall Die? Deaths Resulting From the Trans-Israel Highway and Alternatives: A Risk Assessment. World Transport Policy and Practice, 3; 4-10 (1997)
2. Richter ED, **Ben-Michael E**, Tsafirir T, Laster R. Cancer in Thirty-nine Nuclear Industry Workers: a Preliminary Report. Environmental Health Perspectives 105 (supl 6):1511-1517 (1997)
3. **Ben-Michael E**, Grauer F, Raphael C, Sahn Z, Richter ED. Organochlorine Residues in Fat Tissues of 40 Autopsied Israeli Trauma Victims: 1984-86. Journal of Environmental Pathology, Toxicology and Oncology, 18(4): 297-303 (1999).
4. Posada J, **Ben-Michael E**, Kahan E, Richter ED. Death and Injury from Motor Vehicle Crashes in Colombia, South America. Rev Panam Salud Publica. 2000 Feb;7(2):88-91.
5. Richter ED, **Ben-Michael E**, Reingold SM, Weinberger Z, Ginsberg G. Impact of New Highways on Road Deaths: a Case Study in Risk Assessment. Int J Occup Med Environ Health. 2000; 13(1):51-60.
6. Richter ED, Berman T, **Ben-Michael E**, Laster R, Westin JB. Cancer in Radar Technicians Exposed to Radio Frequency/Microwave Radiation: Sentinel Episodes. Int J Occup Environ Health. 2000 Jul-Sep;6(3):187-93.

7. Richter E, **Ben-Michael E**, Berman T, Laster R. Cancer In Radar Technicians Exposed To RF/MW. *Eur J Oncol*. 2000; 5(suppl 2): 1-2.
8. Richter ED, Barach P, **Ben-Michael E**, Berman T. Death And Injury From Motor Vehicle Crashes: A Public Health Failure, Not An Achievement. *Injury Prevention*. 2001; 17(3): 176-178.
9. **Friedman L**, Brautbar N, Barach P, Wolfe AH, Richter ED. Creatine Phosphate Kinase Elevations Signaling Muscle Damage After Exposures to Anticholinesterases: Two Sentinel Patients. *Arch Environ Health*. 2003; 58(3): 167-171.
10. Richter ED, **Friedman L**, Berman T, Levy O, Westin JB, Peretz T. Cancer Risks in Naval Divers with Multiple Exposures to Carcinogens. *Environ Health Perspectives*. 2003; 111(4): 609-617.
11. Richter ED, **Friedman LS**, Tamir Y, Berman T, Sadeh M, Levy O, Westin JB, Peretz T, Lipshitz I, Bar-Chana M. Correspondence: Reply to Amitai et al. *Environ Health Perspect*. 2003 Sep;111(12):A630-1.
12. Richter ED, Barach P, **Friedman L**, Krikler S, Israeli A. Raised Speed Limits, Speed Spillover, Case Fatality and Road Deaths in Israel: A Five-Year Follow-up. *Am J Pub Health*. 2004; 94: 568-574.
13. **Friedman L**, Richter ED. Relationship Between Conflicts of Interest and Research Results. *J Gen Int Med*. 2004; 19; 51-56.
14. Gabrovskia Z, **Friedman L**, Galai N, Katz H, Richter ED. Respiratory Complaints and Medication Use Following Closure of a Dump with Construction Debris (Neve Yaakov, Jerusalem). *Int J Occup Med Environ Health*. 2004; 17(4): 441- 449.
15. Sabbagh-Ehrlich S, **Friedman L**, and Richter ED. Working Conditions and Fatigue in Professional Truck Drivers at Israeli Ports. *Inj Prev*. 2005; 11(2): 110-114.
16. **Friedman L** and Richter ED. Conflicts of Interest and Scientific Integrity. *Int J Occup Environ Health*. 2005; 11: 205-206.
17. **Friedman LS**, Lukyanova OM, Kundiev YI, Shkiriyak-Nizhnyk ZA, Chislovskia NV, Mucha A, Zvinchuk AV, Oliynyk I, Hryhorczuk D. Predictors of Elevated Blood Lead Levels Among 3 Year Old Ukrainian Children: A nested case control study. *Environ Res*. 2005; 99: 235-242.
18. Richter ED, **Friedman L**, Berman T, Rivkind A. Death and Injury from Motor Vehicle Crashes: A Tale of Two Countries. *Am J Prev Med*. 2005; 29(5): 440-449.
19. **Friedman L**, Richter ED. Excessive and Disproportionate Advertising In Peer-Reviewed Journals. (2006) *Int J Occ Environ Health*. 2006; 12(1): 59-64.

20. Richter ED, Berman T, **Friedman L**, Ben-David G. Speed, Road Injury and Public Health. *Annual Rev Public Health*. 2006; 27: 125-152.
21. **Friedman LS**, Lukyanova OM, Kundiev YI, Shkiryak-Nizhnyk ZA, Chislovska NV, Mucha A, Zvinchuk AV, Oliynyk I, Hryhorczuk D. Body Mass Index, Mineral Supplementation and Other Predictors of Elevated Blood Cadmium Levels in Ukrainian Children. *Environ Res*. 2006; 102(1):83-89.
22. Hardell L, Walker MJ, Richter ED, **Friedman LS**, Walhjalt B. Secret Ties To Industry And Conflicting Interests In Cancer Research. (2006) *Am J Ind Med*. 2006; Mar;50(3):227-33.
23. **Friedman LS**, Barach P, Richter ED. Raised Speed Limits, Case Fatality and Road Deaths: A Six Year Follow-up Using ARIMA Models. *Inj Prev*. 2007;13;156-161.
24. **Friedman LS** and Forst L. Occupational Injury Surveillance of Traumatic Injuries in Illinois, Illinois Trauma Registry: 1995-2003. *J Occ Environ Med*. 2007 Apr;49(4):401-10.
25. **Friedman LS** and Forst L. The Impact of OSHA Recordkeeping Regulation Changes on Occupational Injury And Illness Trends In The U.S.: A Time-Series Analysis. *Occ Environ Med*. 2007;64:454-460.
26. **Friedman LS**. America's Health Rankings: An Example of Junk Science. Letter to the Editor. *South Med J*. 2007; 100 (9): 913-4.
27. **Friedman LS**, Barach P, Brautbar N, Richter ED. Latency: An Important Consideration in Gulf War Syndrome. *Neurotoxicology*. 2007; 28: 1043-1044.
28. Forst L, **Friedman LS**, Shapiro DE, and Bahrainwala M. Carpal Tunnel Syndrome in Spine Surgeons. *Arch Occ Environ Health*. 2007; 61(6):259-62.
29. **Friedman LS** and Forst L. Ethnic disparities in traumatic occupational injury. *J Occ Environ Med*. 2008; 50(3):350-8.
30. Buchanan SN, Evens A, Buckley C, and **Friedman L**. Street corner hazard surveillance and health intervention among Chicago day laborers. *Arch Environ Occup Health*. 2008 Spring;63(1):9-12
31. **Friedman LS**, Lukyanova EM, Kundiev YI, Shkiryak-Nizhnyk ZA, Chislovska NV, Zvinchuk AV, Oliynyk I, and Hryhorczuk DO. Social-Environmental Factors Associated with Elevated BMI in a Ukrainian Cohort of Children. *Int J Pediatr Obes*. 2009;4(2):81-90.
32. Hryhorczuk DO, Dardynskaia I, Matwyshyn M, **Friedman LS**, Shkiriak Nizhnyk, Zvinchuk A, Chislovaskaya N, Antipikin Y. Risk factors for wheezing in Ukrainian children: Ukraine European Longitudinal Study of Pregnancy and Childhood Group. *Paediatr Perinat Epidemiol*. 2009 Jul;23(4):346-51.

33. **Friedman LS**, Hedeker D, Richter ED. Long-Term Effects of Repealing The National Maximum Speed Limit In The United States. *Am J Public Health*. 2009; 99(9):1626-31.
34. **Friedman LS**, Berman T, Barchana M, Richter ED. Flawed Exposure Analysis and Conflicts of Interest. *Int J Occup Environ Health*. 2009;15(2):239-40.
35. **Friedman LS**. Real-Time Surveillance Of Illicit Drug Overdoses Using Poison Center Data. *Clinical Toxicology*. 2009; 47: 573–579.
36. **Friedman LS**, Richter ED. Exposure To Water Pollution And Cancer In Israeli Navy Divers. *Int J Occup Environ Health*. 2009 Oct-Dec;15(4):421;
37. **Friedman LS** and Forst L. Workers' Compensation Costs Among Construction Workers: A Robust Regression Analysis. *J Occ Environ Med*. 2009; 51(11): 1306-1313.
38. **Friedman LS**, Modi P, Liang S, Hryhorczuk D. Analysis of Hymenoptera stings reported to the Illinois Poison Center. *J Med Entomol*. 2010 Sep;47(5):907-12.
39. Forst L, **Friedman L**, Chukwu A. Reliability of the AMA Guides to the Evaluation of Permanent Impairment. *J Occup Environ Med*. 2010 Dec;52(12):1201-3.
40. **Friedman LS**, Avila S, Tanouye K, Joseph K. A Case-Control Study of Severe Physical Abuse of the Elderly. *J Am Geriatr Soc*. 2011 Mar;59(3):417-22.
41. Liang S and **Friedman LS**. Analysis of Suspected Suicides Using Poison Center Data. *Arch Suicide Res*. 2011;15(3):185-94.
42. **Friedman LS**, Krupczak C, Brandt-Rauf S, and Forst L. Occupational amputations in Illinois 2000-2007: BLS vs. data linkage of trauma registry, hospital discharge, workers compensation databases and OSHA citations. *Injury*. 2013;44(5):667-73.
43. **Friedman LS**, Ruestow P, and Forst L. Analysis of Ethnic Disparities in Workers' Compensation Claims Using Data Linkage. *J Occup Environ Med*. 2012 Oct;54(10):1246-52.
44. **Friedman LS**, Sheppard S and Friedman D. A retrospective cohort study of suspected child maltreatment cases resulting in hospitalization. *Injury*. 2012 Nov;43(11):1881-7.
45. **Friedman LS**. Dose-response relationship between in-hospital mortality and alcohol following acute injury. *Alcohol*. 2012 Dec;46(8):769-75.
46. Ruestow P and **Friedman LS**. Relationship Between Acute Measures of Severity and Workers' Compensation Outcomes. *Am J Ind Med*. 2013 Oct;56(10):1149-56.
47. **Friedman LS**, Avila S, Tanouye K, Joseph K. A Description of Cases of Severe Physical Abuse in the Elderly and 1-Year Mortality. *J Elder Abuse Negl*. 2014;26(1):1-11

48. **Friedman LS**, Krajewski A, Vannoy E, Allegretti A, Wahl M. The association between U.S. Poison Center assistance and length of stay and hospital charges. *Clin Toxicol (Phila)*. 2014 Mar;52(3):198-206
49. Cook A, Weddle J, Baker S, Hosmer D, Glance L, **Friedman L**, Osler T. A comparison of the Injury Severity Score and the Trauma Mortality Prediction Model. *J Trauma Acute Care Surg*. 2014 Jan;76(1):47-52
50. Toomey A, **Friedman LS**. Mortality in Cancer Patients after a Fall-Related Injury: The Impact of Cancer Spread and Type. *Injury*. 2014;45(11):1710-6.
51. **Friedman LS**. Complications Associated with Blood Alcohol Concentration Following Injury. *Alcohol*. 2014 Jun;48(4):391-400
52. Koopmans JM, **Friedman L**, Kwon S, and Sheehan K. Urban crash-related child pedestrian injury incidence and characteristics associated with injury severity. *Accident Analysis and Prevention*. 2015; 77: 127–136.
53. Krajewski AK and **Friedman LS**. Hospital outcomes and economic costs from poisoning cases in Illinois. *Clin Toxicol (Phila)*. 2015 Jun;53(5):433-45.
54. Forst L, **Friedman L**, Chin B, Madigan D. Spatial clustering of occupational injuries in communities. *Am J Public Health*. 2015 Jul;105 Suppl 3:S526-33.
55. Mabila SL, Gracia G, Cohen R, Almberg K and **Friedman LS**. Injury and Illness Data for Illinois Mining Industry Employees, 1990 to 2012. *J Occ Environ Med*. 2015 Dec;57(12):1305-10.
56. **Friedman L** and Friedman M. Financial Conflicts of Interest and Study Results in Environmental and Occupational Health Research. *J Occup Environ Med*. 2016 Mar;58(3):238-47.
57. Sinelnikov S, **Friedman LS**, Chavez EA. Injuries and Safe Communities Accreditation: Is there a link? *Accid Anal Prev*. 2016 Jun;91:84-90.
58. Holloway-Beth A, Forst L, Lippert J, Brandt-Rauf S, Freels S, **Friedman L**. Risk factors associated with legal interventions. *Inj Epidemiol*. 2016;3:2.
59. Holloway-Beth A, Forst L, Freels S, Brandt-Rauf S, **Friedman L**. Occupational Injury Surveillance Among Law Enforcement Officers Using Workers' Compensation Data, Illinois 1980 to 2008. *J Occup Environ Med*. 2016 Jun;58(6):594-600.
60. Madigan D, Forst L, **Friedman LS**. Workers' compensation filings of temporary workers compared to direct hire workers in Illinois, 2007-2012. *Am J Ind Med*. 2017 Jan;60(1):11-19.

61. **Friedman LS** and Friedman M. Response to Comments by Ryan et al. J Occup Environ Med. 2016 Sep;58(9):e339-40.
62. DeFlorio-Barker S, Wade TJ, Jones RM, **Friedman LS**, Wing C, Dorevitch S. Estimated Costs of Sporadic Gastrointestinal Illness Associated with Surface Water Recreation: A Combined Analysis of Data from NEEAR and CHEERS Studies. Environ Health Perspect. 2017 Feb;125(2):215-222.
63. Lale A, Krajewski A, and **Friedman LS**. Undertriage of Firearm-Related Injuries in a Major Metropolitan Area. JAMA Surgery. 2017; 152(5): 467-474.
64. Huang Z and **Friedman LS**. Work-related burn injuries hospitalized in U.S. burn centers: 2002-2011. J Occup Environ Med. 2017 Mar;59(3):282-288.
65. **Friedman LS**, Avila S, Rizvi T, Partida R, and Friedman D. Physical Abuse of the Elderly: Victim Characteristics and Determinants of Revictimization. J Am Ger Soc. 2017; 65(7): 1420-1426.
66. **Friedman LS**, Avila S, Liu E, Dixon K, Patch O, Partida R, Zielke H, Giloth B, Friedman D, Moorman L, Meltzer W. Using clinical signs of neglect to identify elder neglect cases. J Elder Abuse Negl. 2017 Aug-Oct;29(4):270-287.
67. Topete L, Forst L, Zanon J, **Friedman L**. Workers' compensation and the working poor: Occupational health experience among low wage workers in federally qualified health centers. Am J Ind Med. 2018 Mar;61(3):189-197. doi: 10.1002/ajim.22813. Epub 2018 Jan 31.
68. Mabila SL, Almberg KS, **Friedman L**, Cohen R, Ndlovu N, Vorajee N, Murray J. Occupational emphysema in South African miners at autopsy; 1975-2014. Int Arch Occup Environ Health. 2018 Nov;91(8):981-990. doi: 10.1007/s00420-018-1335-2. Epub 2018 Jul 16.
69. Mabila SL, Almberg KS, **Friedman L**, Cohen R. High exposure mining occupations are associated with obstructive lung disease, National Health Interview Survey (NHIS), 2006-2015. Am J Ind Med. 2018 Jul 12. doi: 10.1002/ajim.22890. [Epub ahead of print]
70. Almberg KS, **Friedman LS**, Swedler D, Cohen RA. Mine Safety and Health Administration's Part 50 program does not fully capture chronic disease and injury in the Illinois mining industry. Am J Ind Med. 2018 May;61(5):436-443. doi: 10.1002/ajim.22826. Epub 2018 Mar 9.
71. **Friedman LS**, Avila S, Friedman D and Meltzer W. Association between Type of Residence and Clinical Signs of Neglect in Older Adults.. Gerontology. 2019;65(1):30-39. doi: 10.1159/000492029. Epub 2018 Oct 9.

72. Holloway-Beth A, Rubin R, Joshi K, Murray LR, **Friedman L**. A 5-Year Retrospective Analysis of Legal Intervention Injuries and Mortality in Illinois. *Int J Health Serv*. 2019 Jul;49(3):606-622. doi: 10.1177/0020731419836080. Epub 2019 Mar 21.
73. **Friedman LS**, Almberg K and Cohen RA. Injuries associated with long working hours among employees in the US mining industry: risk factors and adverse outcomes. *Occup Environ Med*. 2019 Jun;76(6):389-395. doi: 10.1136/oemed-2018-105558. Epub 2019 Apr 12.
74. Madigan D, Forst L, **Friedman LS**. Comparison of State Hospital Visits With Housing and Urban Development Estimates of Homeless: Illinois, 2011-2018. *Am J Public Health*. 2020 Mar;110(3):391-393. doi: 10.2105/AJPH.2019.305492. Epub 2020 Jan 16.
75. Madigan D, Johnson TP, Forst L, Cambron JA, Zaroni J, Patil CL, Conroy LM, **Friedman LS**. Needs Assessment for a Comprehensive Reemployment Program Among Residents of a Work Rehabilitation Program for Individuals With Unstable or Lack of Housing. *J Occup Environ Med*. 2020 Feb;62(2):163-170. doi: 10.1097/JOM.0000000000001794.
76. Huang Z and **Friedman LS**. Occupational injury surveillance pyramid description and association of medical care utilization with low income among work-related injuries. *Am J Ind Med*. 2020 Mar;63(3):249-257. doi: 10.1002/ajim.23075. Epub 2019 Nov 26.
77. Mabila SL, Almberg KS, **Friedman L**, Cohen RA, Ndlovu N, Vorajee N, Murray J. Effects of commodity on the risk of emphysema in South African miners. *Int Arch Occup Environ Health*. 2019 Nov 7. doi: 10.1007/s00420-019-01483-8. [Epub ahead of print]
78. Kyeremateng-Amoah E, **Friedman L**, Wahl M, and Forst L. Public Health Surveillance for the Prevention of Pesticide-Related Illness in Illinois. *J Occ Environ Med*. 2020 May; 62(5):359-369.
79. **Friedman LS**, Abasilim C, Fitts R, Wueste M. Clinical outcomes of temperature related injuries treated in the hospital setting, 2011-2018. *Environ Res*. 2020 Jul 11;189:109882.
80. Huang Z, Forst L, and **Friedman LS**. Burn Center Referral Practice Evaluation and Treatment Outcomes Comparison among Verified, Nonverified Burn Centers and Nonburn Centers: A State-Wide Perspective. *J Burn Care Res*. 2021 May 7;42(3):439-447. doi: 10.1093/jbcr/iraa167. PubMed PMID: 33022054.
81. Almberg KS, **Friedman LS**, Rose CS, Go LHT, Cohen RA. Progression of coal workers' pneumoconiosis absent further exposure. *Occup Environ Med*. 2020 Nov;77(11):748-751. doi: 10.1136/oemed-2020-106466.
82. De S, Almberg KS, Cohen RA and **Friedman LS**. Injuries during the first hour at work in the U.S. mining industry. *Mining Industry. Am J Ind Med*. 2020 Dec; 63(12): 1124-1133.

83. Szwiec E, **Friedman L** and Buchanan S. Levels of Ethylene Oxide Biomarker in an Exposed Residential Community. *Int J Environ Res Public Health*. 2020 Nov 21;17(22):8646. doi: 10.3390/ijerph17228646. PMID: 33233319; PMCID: PMC7700168.
84. Kelly-Reif K, Rinsky JL, Chiu SK, Burrer S, de Perio MA, Trotter AG, Miura SS, Seo JY, Hong R, Friedman L, Hand J, Richardson G, Sokol T, Sparer-Fine EH, Laing J, Oliveri A, McGreevy K, Borjan M, Harduar-Morano L, Luckhaupt SE. Media Reports as a Tool for Timely Monitoring of COVID-19-Related Deaths Among First Responders-United States, April 2020. *Public Health Rep*. 2021 May;136(3):315-319. doi: 10.1177/0033354921999171. Epub 2021 Feb 22. PMID: 33617374.
85. Madigan D and **Friedman LS**. Health Care Utilization of Individuals Affected by Homelessness: Illinois, 2011–2018. *Medical Care*. 2021; 59: S158-S164.
86. Madigan D, Quinlan-Ruof E, Cambron JA, Forst L, Zaroni J, Conroy LM, Patil CL, **Friedman LS**. Attitudes and behaviors of chiropractic interns toward occupational history taking. *J Chiropr Educ*. 2021; 35 (1): 116-123. doi: 10.7899/JCE-19-20. Epub ahead of print. PMID: 33271599.
87. **Friedman LS**, De S, Almberg K and Cohen RA. Association Between Financial Conflicts of Interest and ILO Classifications for Black Lung Disease. *Ann Am Thorac Soc*. 2021 Oct;18(10):1634-1641. doi: 10.1513/AnnalsATS.202010-1350OC. PMID: 33780328.
88. Abasilim C, **Friedman LS**. Comparison of health outcomes from heat-related injuries by National Weather Service reported heat wave days and non-heat wave days - Illinois, 2013-2019. *Int J Biometeorol*. 2022; 66(3): 641-645. doi: 10.1007/s00484-021-02218-6. Epub ahead of print. PMID: 34782920.
89. **Friedman LS**, Almberg KS, Cohen RA. Reply: Radiologic Classification of Black Lung: Time for a New Gold Standard? *Ann Am Thorac Soc*. 2022 Jan 14. doi: 10.1513/AnnalsATS.202112-1333LE. Epub ahead of print. PMID: 35030058.
90. **Friedman LS**, Cambron JA and Madigan D. Barriers and Facilitators of Implementing Injury Prevention Practices by Massage Therapists. *J Occup Environ Med*. 2022 May 1;64(5):443-449. doi: 10.1097/JOM.0000000000002472. Epub 2021 Dec 29. PMID: 35608828.
91. Abasilim C, Holloway-Beth A, **Friedman LS**. Description of Opioid-involved Hospital Deaths that Do Not Have a Subsequent Autopsy. *Epidemiology*. 2023 Jan 1;34(1):111-118. doi: 10.1097/EDE.0000000000001543. Epub 2022 Sep 26. PMID: 36156045; PMCID: PMC9719799.
92. Shannon B, Jennings W, **Friedman L**. Systematic scoping review of occupational health injuries and illnesses among Indigenous workers. *Occup Environ Med*. 2022 Jul 18:oemed-2022-108264. doi: 10.1136/oemed-2022-108264. Epub ahead of print. PMID: 35851325.

93. Almberg KS, Halldin CN, **Friedman LS**, Go LHT, Rose CS, Hall NB, Cohen RA. Increased odds of mortality from non-malignant respiratory disease and lung cancer are highest among US coal miners born after 1939. *Occup Environ Med*. 2023 Mar;80(3):121-128. doi: 10.1136/oemed-2022-108539. Epub 2023 Jan 12. PMID: 36635098.
94. Shannon B, Abasilim C, **Friedman LS**. Trends in assault-related hospitalizations during the SARS-CoV-2 pandemic. *Injury*. 2023 Apr;54(4):1106-1112. doi: 10.1016/j.injury.2023.02.010. Epub 2023 Feb 6. PMID: 36801070; PMCID: PMC9901223.
95. **Friedman LS**, Shannon B, Go LHT, Shao Y, Almberg KS, Cohen RA. Poor adherence to dust, noise and safety regulations predict injury rates in underground coal mines. *Occup Environ Med*. 2023 Mar 3:oemed-2022-108650. doi: 10.1136/oemed-2022-108650. Epub ahead of print. PMID: 36868826.
96. **Friedman LS**, Karch L, Abasilim C, and Holloway-Beth A. Disparities in Opioid-involved Overdoses among Middle-aged Black Men and Women. (submitted)
97. Abasilim C, **Friedman LS**, Karch L, and Holloway-Beth A. Trends in Non-Fatal and Fatal Opioid Overdoses During the First Two Years of COVID-19 Pandemic. (Submitted)
98. Holloway-Beth A, Abasilim C, and **Friedman LS**. Corrected Denominator Drastically Alters Perspective of Opioid Death Rate. (Submitted to peer reviewed journal)
99. D Madigan, **L Friedman**, JA Cambron. Work-related Musculoskeletal Disorders in Massage Therapists. (Submitted to peer reviewed journal)
100. Ben Abid I, Shannon B, **Friedman LS**. Short- and Long-Term Effect of COVID-19 Pandemic on Rates of Suicide Attempts treated in Illinois Hospitals: Interrupted Time Series Analysis. (Submitted to peer reviewed journal)
101. **Friedman LS**, Madigan D, Forst L. Using Data Linkage to Evaluate the Completeness and Accuracy of Employer Reporting of Severe Injuries/Illnesses to OSHA. (In preparation)
102. Walker J, **Friedman LS**, Forst L, Madigan D. Emergency Department Visits and Hospitalizations for Agricultural injuries and Illnesses in Illinois: the Latinx workforce. (Invited to special issue in The Journal of Agromedicine)

ABSTRACTS PUBLISHED IN PEER-REVIEWED JOURNALS

Richter ED, **Ben-Michael E**. Cancer In Thirty-Nine Nuclear Industry Workers: A Preliminary Report. Abstract from The International Conference on Radiation and Health held 3-7 November 1996, in Beer Sheva, Israel published in *Public Health Review* 24(3-4): 205-431 (1996).

- Gabrovskas Z, **Ben-Michael E**, Katz H, Galai N, Richter ED. Respiratory Complaints Following Closure of Building Debris Dump, (1997). International Society for Environmental Epidemiology publication. Presented at Conference on Respiratory Health held in Prague, Czech Republic. (1997) and the 10th Annual Conference of the International Society for Environmental Epidemiology in Boston MA (1998).
- Richter ED, **Ben-Michael E**. Cancer in Technicians with RF/MW Exposures. International Society for Environmental Epidemiology publication. The 10th Annual Conference of the International Society for Environmental Epidemiology in Boston MA (1998).
- Ben-Michael E**, Israeli D, Richter ED. Community Exposure To Noise: The Need For Specificity. EPIDEMIOLOGY 10 (4): 421P JUL 1999
- Goldsmith J, **Ben-Michael BE**, Richter ED. Health Risks From RF MW Stations: Health Implications And Guidelines For Protection. EPIDEMIOLOGY 10 (4): 136P JUL 1999
- Richter E, Posada J, **Ben-Michael E**, et al. Road Deaths In Colombia. EPIDEMIOLOGY 11 (4): 643 JUL 2000
- Richter ED, Berman T, **Ben-Michael E**, et al. Cancer And Other Diseases In Naval Divers With Multiple Exposures To Carcinogens. EPIDEMIOLOGY 12 (4): 380 JUL 2001
- L Forst, B Chin, **L Friedman**. Occupational Injuries at the Community Level. Occup Environ Med 71 (Suppl 1), A70-A71. 2015.
- KS Almberg, **L Friedman**, JM Graber, EL Petsonk, C Rose, LHT Go, Cohen R. Cardiopulmonary Disease Among Illinois Miners, Results Of An Analysis Of State Workers' Compensation Data. OCCUPATION, OBESITY, AND LUNG HEALTH, A1748-A1748. 2015.
- KS Almberg, **L Friedman**, JM Graber, EL Petsonk, C Rose, LHT Go, Cohen R. Cardiopulmonary Disease Among Illinois Miners, Results Of An Analysis Of State Workers' Compensation Data. American Journal of Respiratory and Critical Care Medicine 191, 1
- K Almberg, **L Friedman**, D Swedler, J Graber, C Rose, EL Petsonk, RA Cohen. Completeness Of Respiratory Injury And Illness Reporting In The Illinois Mining Industry: Comparing Workers' Compensation Claims To The Msha Part 50 Program. American Journal of Respiratory and Critical Care Medicine 193, 1. 2016.
- K Almberg, **L Friedman**, D Swedler, J Graber, C Rose, EL Petsonk, RA Cohen. Completeness Of Respiratory Injury And Illness Reporting In The Illinois Mining Industry: Comparing Workers' Compensation Claims To The Msha Part 50 Program. OCCUPATIONAL MEDICINE AND LUNG FUNCTION, A5442-A5442. 2016.

- SL Mabila, K Almberg, **L Friedman**, N Ndlovu, N Vorajee, J Murray, Cohen RA. Emphysema In South African Miners At Autopsy, 1975-2014. ISSUES IN COPD, A1747-A1747. 2017.
- D Madigan, E Quinlan-Ruof, J Cambron, L Forst, J Zanoni, **LS Friedman**. Occupational health history taking attitudes and behaviours of chiropractic interns. Occupational and Environmental Medicine 75 (Suppl 2), A103-A104. 2018.
- L Forst, L Topete, J Zanoni, **L Friedman**. Finding at-risk, low wage workers in community health centres in the US. Occup Environ Med 75 (Suppl 2), A159-A159. 2018.
- D Madigan, TP Johnson, L Forst, **LS Friedman**. Re-employment needs and barriers of individuals in a residential rehabilitation program. Occupational and Environmental Medicine 75 (Suppl 2), A514-A514. 2018.
- T Bonney, E Kyeremateng-Amoah, L Forst, **L Friedman**. Acute occupational pesticide poisoning in illinois 2010–2015: data linkage of hospital discharge and poison control center databases. Occupational and Environmental Medicine 75 (Suppl 2), A155-A155. 2018.
- L Forst, B Chin, D Madigan, **L Friedman**. Predicting occupational injuries at the community level. Occup Environ Med 75 (Suppl 2), A137-A137. 2018.
- S De, RA Cohen, KS Almberg, **L Friedman**. Risk Factors Associated with Early Shift Injuries Among US Miners, 1983-2015. PULMONARY HEALTH EFFECTS CAUSED BY OCCUPATIONAL EXPOSURES, A1857-A1857. 2019.
- RA Cohen, KS Almberg, **LS Friedman**. Injuries Associated with Long Working Hours: Risk Factors and Adverse Outcomes. PULMONARY HEALTH EFFECTS CAUSED BY OCCUPATIONAL EXPOSURES, A1856-A1856. 2019.

PUBLISHED CONFERENCES ABSTRACTS AND PRESENTATIONS

- Ginsberg G, Fletcher E, **Ben-Michael E**, Richter ED. “How Many Shall Live? How Many Shall Die? Deaths Resulting From the Trans-Israel Highway and Alternatives: A Risk Assessment”. Annual Conference of the Israel Statistical Society (1997).
- Sabbagh SR, **Ben-Michael E**, Chuwers P, Friedman M, Israeli A, Richter ED. “Working Conditions and Fatigue in Truck Drivers in Israel”. Annual Conference of the Israel Statistical Society (1997).
- Ben-David G, Ellharari A, Friedman M, Apter J, **Ben-Michael E**, Richter ED, Weinberger Z. “Speed Cameras Reduced Speeds and Injuries in Netanya”. Annual Conference of the Israel Statistical Society (1997).

- Friedman M, **Ben-Michael E**. "What Should be Done to Build the Right Amount of Safety Into Roads?". Annual Conference of the Israel Statistical Society (1997).
- Richter ED, **Ben-Michael E**. "Cancer Clusters and Subclusters in Chemical Research Laboratory Workers: A Contribution in Memory of Eric Peritz". Annual Conference of the Israel Statistical Society (1998).
- Richter ED, **Ben-Michael E**, Barach P, Weinberger Z. "Does More Speed Still Kill More? Using Case Fatality Trends to Track Long Term Impacts of the Raised Speed Limit". Annual Conference of the Israel Statistical Society (1998).
- Ben-Michael E**, Barach P, Richter ED. "Gulf War Syndrome: A Sentinel Episode". The 2nd Biennial Seminar on Pathophysiology of the Brain and Nervous System, Kiryat Anavim (1999).
- Bar-Sela S, **Ben-Michael E**, Richter ED. "Motor Neuron Disease in a Cadmium Worker: The Case for a Cause-Effect Relationship". The 2nd Biennial Seminar on Pathophysiology of the Brain and Nervous System, Kiryat Anavim (1999).
- Ben-Michael E**, Richter ED. The Extra-Auditory Effects of Noise in the Community Setting. ISEE Conference in Athens, Greece (June, 1999)
- Friedman LS**, Forst L and Shapiro D. Carpal Tunnel Syndrome in Spine Surgeons. Conference of The North American Spine Society. (2005)
- Buchanan SN, Evens A, Buckley C, **Friedman LS**. Blood lead levels in Chicago day laborers. Conference of the American Public Health Association (2007).
- J Witt, A Fischbein, **L Friedman**, E Richter. Examination of Blood Lead Levels of Israeli Children Living in Various Neighborhoods, 1998–2000. *Epidemiology* 18 (5), S62. 2007.
- Friedman LS**, T Berman, M Barchana, ED Richter. Flawed exposure analysis and conflicts of interest. *International journal of occupational and environmental health* 15 (2), 239-240. 2009.
- LS Friedman**, ED Richter. Exposure to water pollution and cancer in Israeli Navy divers. *International journal of occupational and environmental health* 15 (4), 421-423. 2009.
- Friedman LS** and Forst L. Traumatic Injuries Among Workers in Residential Facilities. Conference of the Council of State and Territorial Epidemiologists (2010).
- AT Holloway-Beth, **L Friedman**. Using National Injury Surveillance Systems to Assess Law Enforcement-Related Injury and Fatality Rates. *Annals of Epidemiology* 9 (22), 668. 2012.
- L Forst, B Chin, **L Friedman**. Occupational Injuries at the Community Level. *Occupational and environmental medicine* 71 (Suppl 1), A70-A71. 2014.

- K.S. Almberg, **L. Friedman**, J. Graber, E.L. Petsonk, C. Rose, R.A. Cohen. Cardiopulmonary Disease Among Illinois Miners, Results of an Analysis of State Workers' Compensation Data. Abstract 64682. Category: 01.20 - Occupational and Environmental Respiratory Diseases (EOPH). American Thoracic Society Annual Conference January 2015.
- S Buchanan, G Stapleton, **L Friedman**, G Loy, P Bashook. Promoting healthy fish consumption to reduce perinatal exposure to mercury. Fertility and Sterility 104 (3), e141-e142. 2015.
- KS Almberg, **L Friedman**, JM Graber, EL Petsonk, C Rose, LHT Go. Cardiopulmonary Disease Among Illinois Miners, Results Of An Analysis Of State Workers' Compensation Data. American Journal of Respiratory and Critical Care Medicine 191, 1. 2015.
- Fitts R, Wueste M and **Friedman LS**. Clinical outcomes of temperature related injuries treated in the hospital setting, 2011-2013. APHA 2015 Conference. (**Winner best student poster**).
- D Swedler, **L Friedman**, P Ruestow. Analysis of Workers' Compensation Claims by Professional Athletes in Illinois, 2005–2013. APHA 2016 Annual Meeting & Expo (Oct. 29-Nov. 2, 2016). 2016.
- A Holloway-Beth, L Forst, S Brandt-Rauf, S Freels, **L Friedman**. Assessing Possible Underestimation of Legal Intervention. APHA 2016 Annual Meeting & Expo (Oct. 29-Nov. 2, 2016). 2016.
- K Almberg, **L Friedman**, D Swedler, J Graber, C Rose, EL Petsonk. Completeness Of Respiratory Injury And Illness Reporting In The Illinois Mining Industry: Comparing Workers' Compensation Claims To The Msha Part 50 Program. American Journal of Respiratory and Critical Care Medicine 193, 1. 2016.
- D Madigan, EQ Ruof, JA Cambron, L Forst, J Zanoni, **L Friedman**. Occupational health history taking of chiropractic interns. APHA 2017 Annual Meeting & Expo (Nov. 4-Nov. 8). 2017.
- A Holloway-Beth, **L Friedman**, K Joshi, LR Murray, R Rubin. Surveillance of Legal Interventions in Illinois. APHA 2017 Annual Meeting & Expo (Nov. 4-Nov. 8). 2017.
- SL Mabila, K Almberg, **L Friedman**, N Ndlovu, N Vorajee, J Murray. Emphysema In South African Miners At Autopsy, 1975-2014. ISSUES IN COPD, A1747-A1747. 2017.
- D Madigan, E Quinlan-Ruof, J Cambron, L Forst, J Zanoni, **LS Friedman**. Occupational health history taking attitudes and behaviours of chiropractic interns. Occupational and Environmental Medicine 75 (Suppl 2), A103-A104. 2018.

- L Forst, L Topete, J Zanoni, **L Friedman**. Finding at-risk, low wage workers in community health centres in the us. *Occupational and Environmental Medicine* 75 (Suppl 2), A159-A159. 2018.
- D Madigan, TP Johnson, L Forst, **LS Friedman**. Re-employment needs and barriers of individuals in a residential rehabilitation program. *Occupational and Environmental Medicine* 75 (Suppl 2), A514-A514. 2018.
- L Forst, B Chin, D Madigan, **L Friedman**. Predicting occupational injuries at the community level. *Occupational and Environmental Medicine* 75 (Suppl 2), A137-A137. 2018.
- T Bonney, E Kyeremateng-Amoah, L Forst, **L Friedman**. Acute occupational pesticide poisoning in illinois 2010–2015: data linkage of hospital discharge and poison control center databases. *Occupational and Environmental Medicine* 75 (Suppl 2), A155-A155. 2018.
- D Madigan, **L Friedman**, JA Cambron. Work-related Musculoskeletal Disorders in Massage Therapists. APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6). 2019.
- M Novak, M Wahl, **L Friedman**, A Holloway-Beth. Incidence & Injury due to hydrocarbon abuse: Fluorinated inhalants vs. other hydrocarbons. *Clinical Toxicology* 57 (10), 1023-1023. 2019.
- S De, RA Cohen, KS Almberg, **L Friedman**. Risk Factors Associated with Early Shift Injuries Among US Miners, 1983-2015. A51. Pulmonary Health Effects Caused By Occupational Exposures, A1857-A1857. 2019.
- RA Cohen, KS Almberg, **LS Friedman**. Injuries Associated with Long Working Hours: Risk Factors and Adverse Outcomes. A51. Pulmonary Health Effects Caused By Occupational Exposures, A1856-A1856. 2019.
- KS Almberg, **L Friedman**, L Go, DA Harris, K Mastel, CS Rose, M Tomann. Substantial Burden of Lung Obstruction Observed Among Former US Coal Miners Who Never Smoked. Residential And Occupational Exposures: Where We Live, Work, And Breathe. American Thoracic Society. Pages: A3033-A3033. 2021.
- KS Almberg, CN Halldin, **L Friedman**, L Go, CS Rose, RA Cohen. Excess Mortality from Chronic Lower Respiratory Disease, Lung Cancer, and Pneumoconiosis Is Increasing in US Coal Miners. Residential And Occupational Exposures: Where We Live, Work, And Breathe. American Thoracic Society. 2021.
- Friedman LS** and Holloway-Beth A. Development of a Surveillance System to Track Civilian Injuries Caused by Legal Interventions. Council of State and Territorial Epidemiologists 2021 Conference. (**Winner best poster Environmental/Occupational/Injury Tracks**)

GOVERNMENT REPORTS

Gruer F, Zem Z, Naphtolowitz S, Xi Hung M, Wang LK, **Ben-Michael E**, Berdugo M, Marzok Y, Uziel V, Richter E. "Alkyl Phosphates and Cholinesterase In Cotton, Orchard And Greenhouse Workers Exposed To Organophosphate Pesticides". Report to Ministry of Agriculture.(1995)

Ben-Michael E, Disraeli D, Tal E, Richter ED. "Community Exposure To Aircraft Noise And Health Effects: A Literature Review". Report to Igud Arim Darom Yehuda. (1998).

Ben-Michael E, Richter ED. "Review of the Report by Yehoshua Cohen 'Cost of Road Accidents on Interurban Roads as a Function of Traffic Volume'". Submitted to the Ministry of Transportation, Road Safety Commission, State Comptroller, Ministry of Treasury and Economic Commission (1998).

Ben-Michael E, Adler J, Chuwers P, Richter ED. Community Emergency Preparedness During Wartime: Behavior, Information And Policy. Report submitted to Civil Defense Branch of the Israel Defense Forces (1999).

Ben-Michael E, Richter ED. " Environmental Measures and Contaminants in the Kishon River, Estuary, Harbor and Haifa Bay: 1950-1999, Preliminary Findings". Report submitted to The Kishon Committee (a government appointed body), Israel (2002).

Friedman LS. Chicago Metropolitan Annual Emergency Preparedness Drill. Survey of Participants. 2006, 2007 (Annual report for 2 consecutive years).

Friedman LS. Analysis of the Annual Survey of Educators. Poison Prevention Training and Education Program Plan. 2007, 2008, 2009 (Annual report for 3 consecutive years).

Friedman LS and Hyrhorczuk D. Assessment of the efficacy of HANDSAN-GEL in reducing septicemia cases in a neonatal ward in Tanzania. Maternal Neonatal Health Project. 2008.

Friedman LS. Carbon Monoxide Surveillance Program: Real Time Surveillance Project. Maine Center for Disease Control & Prevention. December, 2008.

Friedman LS. Bioterrorism Training and Curriculum Development Program: Summary of Findings. 2006, 2007, 2008 (Annual report for 3 consecutive years).

Friedman LS. Assessment of the Capacity of the Illinois Poison Center to Conduct Real-Time Surveillance of Radiation Exposures. Report to the Centers for Disease Control and Prevention and the Illinois Poison Center. December 1, 2009.

Friedman LS and Forst L. Final Report to CPWR: The Center for Construction Research and Training. Construction Injury Surveillance in Illinois. #08-1-PS. March 31, 2009.

- Friedman LS.** Road Safety FAQ. 2009. Distributed to numerous organizations that redistributed the FAQs (inc. Divisions of Trauma and Emergency Medicine at the University of Medicine and Dentistry New Jersey; drivesafe.org; American Journal of Public Health)
- Friedman LS.** Expert testimony given to the US Government Accountability Office (Washington, DC). Investigation regarding the accuracy of the occupational injury and illness data that most employers are required to keep. (2009)
- Friedman LS.** Illinois Poison Center Health Care Professionals Satisfaction Survey. 2010, 2011 (Annual report for 2 consecutive years).
- Friedman LS,** Ruestow P, and Forst L Final Report to CPWR: The Center for Construction Research and Training. Data linkage of state registries for assessment of construction injuries. #10-1-PS. June 30, 2011.
- Friedman LS.** Survey on Baby-Friendly Practices in Hospitals in Suburban Cook County. Analysis and Summary of Findings. Report to Cook County Department of Public Health. April, 2011.
- Friedman LS.** National Incident Management System 2011 Implementation Survey: Analysis and Summary of Findings. Report to Cook County Department of Public Health and Department of Health and Human Services (HHS) Office of the Assistant Secretary for Preparedness and Response (ASPR) Hospital Preparedness Program (HPP). June, 2011.
- Friedman LS.** Access to Trauma Care in Southern Cook County. An Assessment of the Impact of Closing the St. James Olympia Fields Trauma Unit. In cooperation with the Cook County Department of Public Health Advisory Board. December, 2011.
- Friedman LS.** Reach Out Chicago. Training Educators and Community Members in Poison Safety. January, 2012.
- Cohen R, **Friedman L**, Swedler D, Almberg K. Evaluation of the completeness of injury and illness reporting in the illinois mining industry: comparing workers' compensation claims to the msha part 50 program final report. USDOL. November, 2015.
- Szwiec E, Weems K, Forst L, **Friedman LS**, Shen T. Distributions and Trends in Elevated Blood Lead Levels in Adults – Illinois, 2005-2017. Illinois Morbidity and Mortality Bulletin. 2018; 4(1): 13-32.
- Friedman LS,** Nguyen N and Holloway-Beth A. Opioid Epidemic in Suburban Cook County. February 2020. Available at: <https://cookcountypublichealth.org/wp-content/uploads/2021/Opioid-epidemic-in-suburban-cook-county-report.pdf>.
- Abaslim C, **Friedman LS**, Kowalski R, and Holloway-Beth A. Applying the Social Vulnerability Index for Evaluating the Opioid Epidemic in Suburban Cook County. September 2021. (Conducted as part of CDC Data to Action grant)

Friedman LS, Abasalim C, Karch L, Kite H, and Holloway-Beth A. Opioid Epidemic Report: Findings From a Data Linkage of Hospital Data with Cook County Medical Examiner Data. September 2021. (Conducted as part of CDC Data to Action grant)

MEDICO-LEGAL RESEARCH

Ben-Michael E. Literature review and assisted in medical expert's testimony on the health effects of Lead. Case: 18 workers from Gaza Strip. (1998)

Ben-Michael E. Literature Review on thyrotoxicity, myotoxicity and neurotoxicity of sarin, soman, pyridostigmine and other organophosphates and carbamates. Case: Avraham Kabalo. (1998)

Ben-Michael E. Literature review on cancer risks among lab works. Case: Eita Shtein. Israel Supreme Court. (1998)

Ben-Michael E. Literature review on cancer risks among nuclear-industry workers. Case: 34 workers from a nuclear facility in Israel. Medical Committee for the Evaluation of Carcinogenic Risks in Nuclear Workers. (1998)

Ben-Michael E. Literature review, evidence and analysis regarding health risks in populations exposed to radio frequency/microwave radiation. New York Superior Court. (2002).