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EDUCATION

- 2018 PhD, Epidemiology, Department of Epidemiology of Microbial Diseases, Yale School of Public Health, USA
Advisor: A. David Paltiel
Dissertation: Methodological Topics in Infectious Diseases and Substance Abuse Epidemiology
- 2005 MS, Application of Mathematical Modeling in Social Sciences, Kyiv National University, Ukraine
- 2003 BS, Applied Mathematics, Kyiv National University, Ukraine

WORK

- 2022 – *Assistant Professor*, Department of Public Health Sciences, Division of Biological Sciences, The University of Chicago, USA
- 2020 – 2022 *Assistant Professor*, Program in Public Health and Department of Family, Population and Preventive Medicine, State University of New York at Stony Brook, USA
- 2018 – 2020 *Postdoctoral Associate*, Public Health Modeling Unit, Yale School of Public Health, USA
Advisor: Forrest W. Crawford (Department of Biostatistics)
- 2013 – 2018 *Graduate Student*, Department of Epidemiology of Microbial Diseases, Yale School of Public Health, USA
- 2012 – 2013 *Monitoring and Evaluation Adviser*, Improving HIV/AIDS Services among Most-at-Risk Populations in Ukraine, Pact Inc. (USAID-funded project), Ukraine
Main responsibilities: Advised on the project design, with an emphasis on the implementation science component; contributed to the development of the National HIV/AIDS surveillance system; supervised the design and implementation of the project monitoring and evaluation system, and reporting to the USAID
- 2010 – 2012 *Head of Team: Monitoring and Evaluation*, National Stop TB Program, Foundation for Development of Ukraine (GFATM-funded program), Ukraine
Main responsibilities: Managed a team of five people; supervised the design and implementation of the program monitoring and evaluation system, and reporting to the GFATM; contributed to the development of the National tuberculosis surveillance system; designed, implemented and analyzed large population-level surveys
- 2008 – 2010 *Research Analyst*, Advisory Services of the World Bank Group, International Finance Corporation, Ukraine
Main responsibilities: Designed, implemented and analyzed large quantitative and qualitative surveys; wrote research reports

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- 2006 – 2008 *Program Manager: Programmatic Monitoring and Evaluation*, National HIV/ AIDS Control Program, International HIV/ AIDS Alliance in Ukraine (GFATM-funded program), Ukraine
Main responsibilities: Supervised the design and implementation of the program monitoring and evaluation system, and reporting to the GFATM; contributed to the development of the National HIV/ AIDS surveillance system; conducted training workshops on data management
- 2005 – 2006 *Program Officer: Reporting and Planning*, National HIV/ AIDS Control Program, International HIV/ AIDS Alliance in Ukraine (GFATM-funded program), Ukraine
Main responsibilities: Developed data collection tools and management information systems; analyzed program performance data; prepared reports to the GFATM; conducted training workshops on data management
- 2004 *Intern*, World Bank Regional Office for Ukraine, Belarus and Moldova; Ukraine
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PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

- Kushakov V, Dvoriak V, **Morozova O**, Azbel L, Sergienko G. Psychoactive substance use and drug checking practices among participants at electronic dance music events in Ukraine. *Drugs, Habits and Social Policy*. 2022; 23(3): 244-257.
- Pashchenko O, Bromberg DJ, Dumchev K, LaMonaca K, Pykalo I, Filippovych M, Esserman D, Polonsky M, Galvez de Leon SJ, **Morozova O**, Dvoriak S, Altice FL. Preliminary analysis of self-reported quality health indicators of patients on opioid agonist therapy at specialty and primary care clinics in Ukraine: A randomized control trial. *PLOS Global Public Health*. 2022; 2(11): e0000344.
- Eck DJ, **Morozova O**, Crawford FW. Randomization for the susceptibility effect of an infectious disease intervention. *Journal of Mathematical Biology*. 2022; 85(4): 37.
- Lhuillier E, Yang Y, **Morozova O**, Clouston SA, Yang X, Waszczuk MA, Carr MA, Luft BJ. The Impact of World Trade Center Related Medical Conditions on the Severity of COVID-19 Disease and Its Long-Term Sequelae. *International Journal of Environmental Research and Public Health*. 2022; 19(12): 6963.
- Crawford FW, Jones SA, Cartter M, Dean SG, Warren JL, Li Z, Barbieri J, Campbell J, Kenney P, Valleau T, **Morozova O**. Impact of close interpersonal contact on COVID-19 incidence: evidence from 1 year of mobile device data. *Science Advances* 2022; 8(1): eabi5499.
- Morozova O**, Li ZR, Crawford FW. One year of modeling and forecasting COVID-19 transmission to support policymakers in Connecticut. *Scientific Reports* 2021; 11(20271).
- Clouston SAP, **Morozova O**, Meliker JR. A wind speed threshold for increased outdoor transmission of coronavirus: an ecological study. *BMC Infect Dis* 2021; 21(1194).
- Morozova O**, Clouston SAP, Valentine J, Carr M, Luft BJ. COVID-19 cumulative incidence, asymptomatic infections, and fatality in Long Island, NY, January–August 2020: A cohort of World Trade Center responders. *PloS One* 2021; 16(7): e0254713.
- Morozova O**, Crawford FW, Cohen T, Paltiel AD, Altice FL. Cost-effectiveness of expanding the capacity of opioid agonist treatment in Ukraine: Dynamic modeling analysis. *Addiction* 2020; 115(3): 437-450.

Morozova O, Booth RE, Dvoriak S, Dumchev K, Sazonova Y, Saliuk T, Crawford FW. Divergent estimates of HIV incidence among people who inject drugs in Ukraine. *International Journal of Drug Policy* 2019; 73: 156-162.

Crawford FW, **Morozova O**, Buchanan AL, Spiegelman D. Interpretation of the individual effect under treatment spillover. *American Journal of Epidemiology* 2019; 188(8): 1407-1409.

LaMonaca K, Dumchev K, Dvoriak S, Azbel L, **Morozova O**, Altice FL. HIV, drug injection, and harm reduction trends in Eastern Europe and Central Asia: Implications for international and domestic policy. *Current Psychiatry Reports* 2019; 21(7):47.

Morozova O, Cohen T, Crawford FW. Risk ratios for contagious outcomes. *Journal of the Royal Society Interface* 2018; 15(138).

Rozanova J*, **Morozova O***, Azbel L, Bachiredy C, Izenberg JM, Kiriazova T, Dvoryak S, Altice FL. Perceptions of health-related community reentry challenges among incarcerated drug users in Azerbaijan, Kyrgyzstan, and Ukraine. *Journal of Urban Health* 2018; 95(4): 508-522.

*equal contributions

Rutledge R, **Morozova O**, Gibson BA, Altice FL, Kamarulzaman A, Wickersham JA. Correlates of recent HIV testing among transgender women in Greater Kuala Lumpur, Malaysia. *LGBT Health* 2018; 5(8): 484-493.

Morozova O, Dvoriak S, Pykalo I, Altice FL. Primary healthcare-based integrated care with opioid agonist treatment: First experience from Ukraine. *Drug and Alcohol Dependence* 2017; 173: 132-138.

Dumchev K, Dvoryak S, Chernova O, **Morozova O**, Altice FL. Retention in medication-assisted treatment programs in Ukraine - Identifying factors contributing to a continuing HIV epidemic. *International Journal of Drug Policy* 2017; 48: 44-53.

Morozova O, Levina O, Uusküla A, Heimer R. Comparison of subset selection methods in linear regression in the context of health-related quality of life and substance abuse in Russia. *BMC Medical Research Methodology* 2015; 15:71.

Morozova O, Dvoryak S, Altice FL. Methadone treatment improves tuberculosis treatment among hospitalized opioid dependent patients in Ukraine. *International Journal of Drug Policy* 2013; 24(6): e91-98.

Morozova O, Azbel L, Grishaev Y, Dvoryak S, Wickersham JA, Altice FL. Ukrainian prisoners and community reentry challenges: Implications for transitional care. *International Journal of Prisoner Health* 2013; 9(1): 5-19.

MONOGRAPHS AND REPORTS

Crawford FW, Li ZR, **Morozova O**. COVID-19 projections for reopening Connecticut. *medRxiv* 2020; Jun 19. doi: <https://doi.org/10.1101/2020.06.16.20126425>

Boyko A, DiCarlo M, Doroshenko O, **Morozova O**, Sherburne L. *HIV Epidemic among key populations in Ukraine: Review of secondary data*. Analytic Report. Pact Inc.; Kyiv, 2013. Available from: <http://respond.org.ua/file/30e.pdf>

Demchenko I, Byelonosova N, Kostyuchok M, **Morozova O**, Makovetska M, Nechosina O, Kuzmyn M. *Tuberculosis Knowledge, Attitude, Practice and Behavior in Ukraine based on the 2011 Survey*. Analytic Report. Stop TB in Ukraine, Foundation for Development of Ukraine; Kyiv, 2013. Published in Ukrainian.

Morozova, O., Varetska, O., Jones, D., Chikukwa P., Salyuk, T. *Program Monitoring and Evaluation: Practical Manual*. International HIV/AIDS Alliance in Ukraine; Kyiv, 2008. Published in Ukrainian, English and Russian. English version available from: <http://aph.org.ua/wp-content/uploads/2016/08/ProgramMEMManualeng.pdf>

GRANTS & FUNDING

- 2021 – 2026 *Title:* Severity and long-term effects of COVID-19 among World Trade Center responders
Role: Principal Investigator (MPI)
Number: U01OH012275
Funding agency: National Institute of Occupational Safety and Health (NIOSH) / CDC
- 2022 – 2024 *Title:* PIPP Phase I: Robust Epidemic Surveillance and Modeling (RESUME)
Role: Key Personnel
Number: 2200234
Funding agency: National Science Foundation (NSF)
- 2016 – 2018 *Title:* Optimizing Medication-Assisted Therapy for Opioid Dependence in Ukraine: HIV Impact Modeling and Cost-Effectiveness Evaluation
Role: Principal Investigator
Number: R36DA042643
Funding agency: National Institute on Drug Abuse (NIDA)
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PRESENTATIONS

- 2022 2022 Annual Meeting of the Institute for Operations Research and Management Sciences (INFORMS), Indianapolis, IN, USA (oral, invited)
- 2021 Guest lecture, Stony Brook University course “Research in Population Health and Clinical Science”
- 2020 13th International Conference on Health Policy Statistics, San Diego, CA, USA (oral, contributed)
Seminar talk, Yale Postdoctoral Association, CT, USA
- 2019 Epidemics: 7th International Conference on Infectious Disease Dynamics, Charleston, SC, USA (poster)
Joint Statistical Meetings, Denver, CO, USA (invited speaker and session chair)
Society for Epidemiologic Research Meeting, Minneapolis, MN, USA (poster)
New England Statistics Symposium, University of Connecticut, Hartford, CT, USA (invited speaker)
Departmental seminar lecture, Epidemiology of Microbial Diseases, Yale School of Public Health, CT, USA
- 2018 Consortium of Universities for Global Health Annual Conference, New York, NY, USA (invited speaker)
Modern Modeling Methods Conference, University of Connecticut, CT, USA (oral)
CPDD Meeting / National Institute on Drug Abuse International Forum, San Diego, CA, USA (poster)
Seminar talk, Yale Clinical and Community Research, CT, USA
Problems of Public Health and the HIV Epidemic in Ukraine Conference, Kyiv, Ukraine (invited speaker)
- 2017 Epidemics: 6th International Conference on Infectious Disease Dynamics, Sitges, Spain (poster)
Joint Statistical Meetings, Baltimore, MD, USA (oral and poster)
CPDD Meeting / National Institute on Drug Abuse International Forum, Montreal, QC, Canada (poster)

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- 2016 Seminar talk, Yale Clinical and Community Research, CT, USA
Research seminar talk, Epidemiology of Microbial Diseases, Yale School of Public Health, CT, USA
- 2015 Research rotation project presentation, Yale School of Public Health, CT, USA
Innovating & Partnering for Sustainable Results in HIV Services Conference (USAID/PEPFAR), Kyiv, Ukraine (invited speaker)
- 2014 Research rotation project presentation, Yale School of Public Health, CT, USA
- 2007 International Conference on Drug Abuse Harm Reduction, Warsaw, Poland (oral)
Regional HIV/ AIDS Monitoring & Evaluation Meeting for Eastern Europe and Central Asia, Kyiv, Ukraine (invited speaker and session chair)
National HIV/ AIDS Monitoring & Evaluation Conference, Yalta, Ukraine (invited speaker and session chair)
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TEACHING

- 2022 *Instructor*, EMD542E: Introduction to Modeling in Public Health, Yale University
- 2022 *Instructor*, HPH514: Epidemiology for Public Health, Stony Brook University (SUNY)
- 2016, 2015 *Teaching Assistant*, MGT611/ENAS649: Policy Modeling (instructor: Edward H. Kaplan), Yale University
- 2015 *Teaching Assistant*, BIS575: Introduction to Regulatory Affairs (instructor: Robert Makuch), Yale University
- 2014 *Teaching Assistant*, HPM570: Cost-effectiveness Analysis and Decision-Making (instructor: A. David Paltiel), Yale University
- 2008 – 2012 *Instructor*, Short courses on monitoring and evaluation of HIV/ AIDS control programs (consulting projects conducted in Moldova, Kyrgyzstan, Tajikistan, Trinidad and Tobago, Malaysia, and Indonesia)
- 2005 – 2008 *Instructor*, Training workshops in data management for public health NGOs and clinical service providers (International HIV/ AIDS Alliance in Ukraine)
- 2004 *Instructor of computer lab sessions*, Introductory Data Analysis with Microsoft Excel (Kyiv National University, Ukraine)
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HONORS, AWARDS & RECOGNITION

- 2021 Program in Public Health Director's Award for Excellence, Stony Brook University, NY, USA
- 2018 Travel award, National Institute on Drug Abuse International Forum, San Diego, USA
- 2017 Travel award, Summer Institute in Statistics and Modeling of Infectious Diseases, University of Washington, USA
- 2017 Travel award, National Institute on Drug Abuse International Forum, Montreal, Canada
- 2015 Distinguished PhD qualifying exam, Yale University, USA
- 2013 – 2018 Graduate program scholarship, Yale University, USA
- 2012 Travel award, Principles of HIV and STD Research, University of Washington, USA
- 2005 MS with honors, Application of Mathematical Modeling in Social Sciences, Ukraine
- 2003 BS with honors, Applied Mathematics, Ukraine

PROFESSIONAL ACTIVITIES

- JOURNAL REVIEWER:** Science Advances, Clinical Infectious Diseases, PLOS Computational Biology, Scientific Reports, BMC Public Health, Biostatistics, Bayesian Analysis, Medical Decision Making, Value in Health, Addiction, Drug and Alcohol Dependence, International Journal of Drug Policy, American Journal of Drug and Alcohol Abuse, PLOS One, LGBT Health, Harvard Data Science Review
- GRANT REVIEWER:** National Institute on Drug Abuse Special Emphasis Panel: NIH HEAL Initiative (“Helping to End Addiction Long-term”)
Internal pilot grants reviewer at the Stony Brook University School of Medicine
- MEMBER:** Society for Epidemiologic Research (2018 – present), Third Coast Center for AIDS Research (2022 – present), MIDAS (2022 – present), INFORMS (2022 – present), American Statistical Association (2018 – 2022), New England Statistical Society (2019 – 2021), American Public Health Association (2017 – 2019, student member)
- OTHER:** Reviewer of SER 2022 and SER 2023 Annual Conference abstracts

ADDITIONAL TRAINING & SKILLS

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| 2018 | Causal Inference and Big Data Summer Institute, University of Pennsylvania, USA |
| 2017 | Summer Institute in Statistics and Modeling of Infectious Diseases, University of Washington, USA |
| 2016 | Basic molecular biology techniques, PCR, gel electrophoresis, molecular epidemiology, Yale University, USA |
| 2015 | Regulatory Affairs Certificate Program, Yale University, USA |
| 2012 | Principles of HIV and STD Research, University of Washington, USA |
| 2011 | Implementing the Stop TB Strategy: Skills for Managers and Consultants, The World Health Organization Collaborative Center for Tuberculosis and Lung Diseases, Italy |
| 2010 | Health Technology Assessment, National University of Kyiv-Mohyla Academy, Ukraine / Maastricht University, Netherlands |
| 2007 | Financing and Budgeting for HIV/AIDS: Estimations, Costing and Monitoring of Resources and Expenditures, UNAIDS, Ukraine |
| 2007 | Analysis and Use of Strategic Information: Data Triangulation in HIV Surveillance, Knowledge Hub on HIV/AIDS Surveillance, Zagreb School of Public Health, Croatia |
| 2006 | Health Budgets and Expenditures Workshop, Open Society Institute, Istanbul, Turkey |

SELECTED SHORT-TERM CONSULTING PROJECTS

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| 2012 | Public health NGO “Rumah Cemara” (Indonesia): Improvement of organizational data management system |
| 2011 | Malaysian AIDS Council: Improvement of organizational data management system |
| 2011 | International HIV/AIDS Alliance in India: Monitoring and evaluation capacity assessment and planning |

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| 2010 | UNAIDS Moldova: Training workshop on monitoring and evaluation of national HIV/ AIDS programs |
| 2010 | Public health NGO “Anti-AIDS Association” (Kyrgyzstan, Tajikistan): Training workshop in data management and project monitoring for the program “Increased access of people living with HIV to basic care in Central Asia” |
| 2009 | Global Fund to Fight AIDS, Tuberculosis and Malaria (GFATM): Country case study “Strengthening the Community Level Monitoring and Evaluation Framework” (Kyrgyzstan) |
| 2008 | International HIV/ AIDS Alliance in the Caribbean: Improvement of organizational data management system |
| 2008 | Open Society Institute (George Soros Foundation) in Moldova: Development of the programmatic monitoring and evaluation system for HIV prevention projects; training of public health NGOs and clinical service providers |
| 2007 | UNAIDS Moldova: Organizational assessment and development of capacity strengthening plan for community organizations implementing national HIV/ AIDS prevention program |
| 2007 | World Health Organization and Ukrainian Institute on Public Health Policy: Coordination of data collection for the pilot study of the effectiveness of opioid agonist therapy in Ukraine |
| 2006 | World Health Organization: Data collection for the study of the costs associated with the implementation of opioid agonist therapy in Ukraine |

Updated: 01/30/2023