

# NABARUN DASGUPTA, MPH, PhD

Primary: Senior Scientist | Injury Prevention Research Center  
Secondary: Gillings Innovation Fellow | Gillings School of Global Public Health  
University of North Carolina at Chapel Hill | USA | [REDACTED]

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## EDUCATION

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- 2013 **PhD**, Epidemiology, Gillings School of Global Public Health, **University of NC at Chapel Hill**  
*Area of study:* Injury prevention, pharmacoepidemiology, social epidemiology, informatics  
*Dissertation:* "Opioid Analgesic Prescribing and Overdose Mortality in North Carolina"  
*Advisors:* Stephen Marshall and Michele Jonsson Funk
- 2003 **MPH**, Epidemiology of Microbial Diseases, **Yale School of Public Health**, New Haven, Connecticut  
*Area of study:* Viral infections and overdose related to heroin and prescription opioid abuse  
*Thesis:* "Analgesic for a Rural Legend: OxyContin Abuse in Maine"  
*Advisor:* Robert Heimer
- 2001 **AB**, Molecular Biology, **Princeton University**, Princeton, New Jersey  
*Area of study:* Laboratory investigation of pseudorabies virus (PRV)  
*Thesis:* "How to Know a Jumping Gene When You See One"  
*Advisor:* Lynn Enquist
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## MAJOR PROFESSIONAL EXPERIENCE

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- 2021-PRESENT Remedy Alliance / For The People  
**Role: Co-Founder and Board Chair**  
Established non-profit buyers club distributing millions of doses of bulk, affordable naloxone to hundreds of public health programs and health departments. Negotiated contracts with pharmaceutical companies, helped remove prescription requirement for more equitable access.
- 2007-2025 Researched Abuse, Diversion, and Addiction Related Surveillance (RADARS®) System, Denver Health and Hospitals Authority, Colorado, USA  
**Role: Consultant and Scientific Advisory Board**  
Serves as the epidemiologic methods advisor to an international surveillance system for prescription drug abuse.
- 2007-2016 Epidemico, Inc., Boston, Massachusetts, USA and Dublin, Ireland  
**Role: Co-Founder and Chief Science Officer**  
Established a 50 employee public health informatics company using technology developed at Harvard Medical School. Developed mobile apps and websites for drug safety and infectious disease surveillance. Clients included international public health agencies, medical product regulators, and major pharmaceutical and health companies. Epidemico was acquired by Booz Allen Hamilton in 2014.
- 2008-2014 Project Lazarus, Moravian Falls, North Carolina, USA  
**Role: Co-Founder and Board of Directors**  
Community-based prevention non-profit organization that was first in the world to distribute the overdose antidote naloxone to both pain patients and people who use drugs. Sustained engagement with substance abuse treatment, harm reduction, pain management, faith communities, clinicians, pharmacists, and law enforcement.

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## OTHER RELEVANT PROFESSIONAL EXPERIENCE (PAST 20 YEARS)

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- 2009 World Health Organization, Geneva, Switzerland  
**Role: Consultant**  
Conducted foundational work for the Guidelines for the Psychosocially Assisted Pharmacological Treatment of Opioid Dependence. Served on the Secretariat and authored the report for the 35th Expert Committee on Drug Dependence.
- 2009-2016 Pinney Associates, Bethesda, Maryland  
**Role: Consultant**  
Conducted epidemiologic analyses of post-marketing safety data and authored pharmaceutical risk management plans for controlled substances.
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## INTERNSHIPS

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- 2008-2009 **GlaxoSmithKline**, Research Triangle Park, North Carolina  
Analyzed longitudinal NESARC data on remission from substance use disorders.  
*Mentor:* Howard Chilcoat
- 2006 **World Health Organization**, Geneva, Switzerland  
Conducted foundational work for the Guidelines for the Psychosocially Assisted Pharmacological Treatment of Opioid Dependence.  
*Mentor:* Vladimir Poznyak
- 1999 **Miami Project to Cure Paralysis**, University of Miami School of Medicine, Florida  
Developed adeno-associated virus (AAV) vectors for encephalon gene delivery to modulate chronic pain in the spinal cord.  
*Mentor:* Mary Adams
- 1998 **The Scripps Research Institute**, La Jolla, California  
Developed adenovirus vectors (Ad5 and Ad37) for gene delivery to prevent and treat age-related macular degeneration in the eye.  
*Mentor:* Glen Nemerow
- 1993-1997 **IDEXX Laboratories**, Westbrook, Maine  
Developed monoclonal antibodies for veterinary ELISA diagnostic test to detect Infectious Bovine Rhinotracheitis (IBR) / Bovine Herpesvirus (BHV).  
*Mentor:* Trebor Lawton
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## PEER-REVIEWED JOURNAL PUBLICATIONS

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h-index 41 • i10-index 82

Total citations (via Google Scholar): 7,067

Asterisk (\*) indicates 100+ citations: n=15; \*\* for 1,000+ citations

Diesis (§) indicates trainee as first author: n=45

- 140 Lazard AJ, Lake S, Queen TL, Avendaño-Galdamez M, Babwah Brennen S, Varma T, Tan HJ, Charlott M, **Dasgupta** N. Intervening and reducing sharing of false cancer treatments on social media: Online experiment. *PloS one*. 2026 Feb 25;21(2):e0341907.
- 139 Sibley AL, Miller CW, Joniak-Grant E, Bell A, Visnich M, Alsum S, **Dasgupta** N. A brick to a bundle: ‡ A qualitative study of behavioral responses to xylazine adulteration. *International Journal of Drug Policy*. 2025 Nov 1;145:105017.

- 138 Sibley AL, Bedard ML, Tobias S, Chidgey BA, Phillips IG, Bell A, **Dasgupta N**. Emergence of medetomidine in the unregulated drug supply and its association with hallucinogenic effects. *Drug and Alcohol Review*. 2025 Nov;44(7):1896-906. ‡
- 137 **Dasgupta N**, Bell A, Visnich M, Doe-Simkins M, Wheeler E, Sibley AL, Nocera M, Seitz AE, Chang D, Barlow S, Dezman ZD. Trends and characteristics during 17 years of naloxone distribution and administration through an overdose prevention program in Pittsburgh, Pennsylvania. *PLoS One*. 2025 Oct 24;20(10):e0315026.
- 136 Lazard AJ, Queen TL, Avendaño-Galdamez M, Varma T, Zhou J, Berman CJ, West TN, Firestine A, **Dasgupta N**, Fredrickson BL. Social Media Posts to Encourage In-Person Connections: Online Experiment With Young Adults. *Journal of Adolescent Health*. 2025 Sep 25.
- 135 Dernbach MR, **Dasgupta N**, Sibley AL, Tylleskar I, Skulberg AK. A chain of survival for drug overdose. *Resuscitation Plus*. 2025 Sep 1;25:101026.
- 134 Lazard AJ, DiFranzo D, Nicolla S, Aghajari Z, Pulido M, Mao C, Vereen RN, **Dasgupta N**. Sharing Antivaping Social Media Messages. *Journal of Adolescent Health*. 2025 Jul 8.
- 133 Song Y, **Dasgupta N**, Bell ML. Evaluating Algorithmic Approaches to Uncover Racial, Ethnic, and Gender Disparities in Scientific Authorship. *American Journal of Public Health*. 2025 May 8(0):e1-8.
- 132 Lazard AJ, Queen TL, Pulido M, Lake S, Nicolla S, Tan HJ, Charlot M, Smitherman AB, **Dasgupta N**. Social media prompts to encourage intervening with cancer treatment misinformation. *Social Science & Medicine*. 2025 May 1;372:117950.
- 131 Beltran TG, Pence BW, Fulcher N, **Dasgupta N**, Maierhofer CN, DiPrete BL, Marshall SW, Nocera M, Proescholdbell SK, Wu LT, Edwards DA. Impact of State Policies on Opioid Prescribing Among Surgery and Injury Patients: Controlled Interrupted Time-Series Study, North Carolina, 2014–2019. *Pharmacoepidemiology and Drug Safety*. 2025 Apr;34(4):e70144. ‡
- 130 DiPrete BL, **Dasgupta N**, Oh GY, Moga DC, Slavova S, Slade E, Delcher C, Pence BW, Ranapurwala SI. Abuse-deterrent formulations and opioid-related harms in North Carolina, 2010-2018. *American Journal of Epidemiology*. 2025 Mar;194(3):680-90. ‡
- 129 Nicolla S, McKenzie AH, Lazard AJ, DiFranzo D, Aghajari Z, Mao C, **Dasgupta N**. Young People Are Willing to Intervene Against Rape Myths Online: A Simulated Social Media Experiment. *Journal of Adolescent Health*. 2025 Feb 19. ‡
- ~~128~~ *Retracted due to data falsification by data vendor*: Lazard AJ, Vereen RN, Zhou J, Nichols HB, Pulido M, Swift C, **Dasgupta N**, Fredrickson BL. Designing Positive Psychology Interventions for Social Media: Cross-Sectional Web-Based Experiment With Young Adults With Cancer. *JMIR Cancer*. 2024 Dec 20;10(1):e48627.
- 127 Carroll JJ, **Dasgupta N**, Ostrach B, El-Sabawi T, Dixon S, Morrissey B, Saucier R. Evidence-based treatment for opioid use disorder is widely unavailable and often discouraged by providers of residential substance use services in North Carolina. *Journal of Substance Use and Addiction Treatment*. 2024 Dec 1;167:209474.
- 126 Ranapurwala S, Beltran TG, Pence BW, Fulcher N, **Dasgupta N**, Maierhofer CN, DiPrete BL, Marshall S, Nocera M, Proescholdbell SK, Wu LT. Impact of state policies on opioid prescribing among surgery and injury patients: Controlled interrupted time-series study, North Carolina, 2014-2019. *Authorea*. 2024 Nov 26.

- 125 Young JC, Pack K, Gibson TB, Yoon F, DiPrete BL, Pate V, Irwin DE, Cooper T, Bloemers S, **Dasgupta** ‡  
N. Death ORACL: An Algorithm to Predict Death Using Insurance Claims Data. *American Journal of  
Epidemiology*. 2024 Sep 11:kwae348.
- 124 Bedard ML, Huang XP, Murray JG, Nowlan AC, Conley SY, Mott SE, Loyack SJ, Cline CA, Clodfelter ‡  
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specific responses to opioid antagonism. *Addiction Neuroscience*. 2024 Jun 1;11:100155.
- 123 Aghajari Z, Baumer EP, Lazard A, **Dasgupta** N, DiFranzo D. Investigating the Mechanisms by which ‡  
Prevalent Online Community Behaviors Influence Responses to Misinformation: Do Perceived  
Norms Really Act as a Mediator?. *Proceedings of the CHI Conference on Human Factors in Computing  
Systems* 2024 May 11 (pp. 1-14).
- 122 Black JC, Monte AA, **Dasgupta** N, Jewell JS, Rockhill KM, Olson RA, Dart RC. Optimizing real-world  
benefit and risk of new psychedelic medications: the need for innovative postmarket surveillance.  
*Nature Mental Health*. 2024 May 3:1-9.
- 121 Marley G, Annis IE, Ostrach B, Egan K, Delamater PL, Bell R, **Dasgupta** N, Carpenter DM. Naloxone  
accessibility by standing order in North Carolina community pharmacies. *Journal of the American  
Pharmacists Association*. 2024 May 1;64(3):102021.
- 120 Bedard ML, Huang XP, Murray JG, Nowlan AC, Conley SY, Mott SE, Loyack SJ, Cline CA, Clodfelter ‡  
CG, **Dasgupta** N, Krumm B. Xylazine is an agonist at kappa opioid receptors and exhibits sex-  
specific responses to opioid antagonism. *Addiction Neuroscience*. 2024 Jun 1;11:100155.
- 119 DiPrete BL, Oh G, Moga DC, **Dasgupta** N, Slavova S, Slade E, Delcher C, Pence BW, Ranapurwala SI. ‡  
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- 118 Maierhofer CN, Ranapurwala SI, DiPrete BL, Fulcher N, Ringwalt CL, Chelminski PR, Ives TJ, ‡  
**Dasgupta** N, Go VF, Pence BW. Intended and unintended consequences: Changes in opioid  
prescribing practices for postsurgical, acute, and chronic pain indications following two policies in  
North Carolina, 2012–2018–Controlled and single-series interrupted time series analyses. *Drug and  
alcohol dependence*. 2023 Jan 1;242:109727.
- 117 Figgatt MC, Hincapie-Castillo JM, Schranz AJ, **Dasgupta** N, Edwards JK, Jackson BE, Marshall SW, ‡  
Golightly YM. Medications for Opioid Use Disorder and Mortality and Hospitalization Among  
People With Opioid Use-related Infections. *Epidemiology*. 2024 Jan 1;35(1):7-15.
- 116 Carroll JJ, Bevis L, El-Sabawi T, Figgatt M, **Dasgupta** N, Beletsky L, Leiberman AJ, Dennis A, Davis  
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homicide laws on opioid-related mortality across 92 counties and the District of Columbia in the  
United States. *World Medical & Health Policy*. 2023 Dec;15(4):587-612.
- 115 Lei F, Lofwall MR, McAninch J, Adatorwovor R, Slade E, Freeman PR, Moga DC, **Dasgupta** N, Walsh ‡  
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- 114 Lazard AJ, Nicolla S, Vereen RN, Pendleton S, Charlot M, Tan HJ, DiFranzo D, Pulido M, **Dasgupta**  
N. Exposure and Reactions to Cancer Treatment Misinformation and Advice: Survey Study. *JMIR  
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- 113 Bedard ML, Nowlan AC, Martin del Campo Z, Miller C, **Dasgupta** N, McElligott ZA. All Hands on ‡  
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- 112 Zagorski CM, Hosey RA, Moraff C, Ferguson A, Figgatt M, Aronowitz S, Stahl NE, Hill LG, ‡  
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public health context. *Harm Reduction Journal*. 2023 Dec;20(1):1-9.
- 111 Wagner KD, Fiuty P, Page K, Tracy EC, Nocerd M, Miller CW, Tarhuni LJ, **Dasgupta** N. Prevalence  
of fentanyl in methamphetamine and cocaine samples collected by community-based drug checking  
services. *Drug and Alcohol Dependence*. 2023 Oct 5:110985.
- 110 Figgatt MC, Schranz AJ, Hincapie-Castillo JM, Golightly YM, Marshall SW, **Dasgupta** N. ‡  
Complications in Using Real-World Data to Study the Health of People Who Use Drugs.  
*Epidemiology*. 2023 Mar 1;34(2):259-64.
- 109 Joniak-Grant E, Blackburn NA, **Dasgupta** N, Nocera M, Dorris SW, Chelminski PR, Carey TS,  
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on clinical practice and patient experiences. *SSM-Qualitative Research in Health*. 2023 Jun 1;3:100273.
- 108 **Dasgupta** N, Ajazi EM, Schwartz TA, Marshall SW. Misclassification of overdose events in the X:  
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- 107 Bedard ML, Nowlan AC, Martin del Campo Z, Miller C, **Dasgupta** N, McElligott ZA. All Hands on ‡  
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- 106 Freeman PR, McAninch J, **Dasgupta** N, Oyler DR, Slavov K, Collins C, Hargrove S, Freeman E,  
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policy*. 2023 Sep 1;18(1):53.
- 105 Figgatt MC, Schranz AJ, Jackson B, **Dasgupta** N, Hincapie-Castillo JM, Baggett C, Marshall SW, ‡  
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with drug use diagnoses. *Annals of Epidemiology*. 2023 Sep 9.
- 104 Ali F, Kaura A, Russell C, Bonn M, Bruneau J, **Dasgupta** N, Imtiaz S, Martel-Laferrière V, Rehm J,  
Shahin R, Elton-Marshall T. Identifying barriers and facilitators to COVID-19 vaccination uptake  
among People Who Use Drugs in Canada: a National Qualitative Study. *Harm Reduction Journal*. 2023  
Dec;20(1):1-5. doi: 10.1186/s12954-023-00826-6
- 103 Maierhofer CN, Ranapurwala SI, DiPrete BL, Fulcher N, Ringwalt CL, Chelminski PR, Ives TJ, ‡  
**Dasgupta** N, Go VF, Pence BW. Intended and unintended consequences: Changes in opioid  
prescribing practices for postsurgical, acute, and chronic pain indications following two policies in  
North Carolina, 2012–2018–Controlled and single-series interrupted time series analyses. *Drug and  
Alcohol Dependence*. 2023 Jan 1;242:109727.
- 102 **Dasgupta** N. History and Future of Harm Reduction in North Carolina: Pragmatism and Innovation.  
*NC Medical Journal*. 2022 Jul-Aug; 83(4):257-260. doi: 10.18043/ncm.83.4.257. PMID: 35817454.
- 101 Oyler DR, Slavova S, Brown JR, **Dasgupta** N, Freeman PR. Kentucky pharmacists' experiences in  
dispensing abuse-deterrent opioid analgesics. *J Am Pharm Assoc (2003)*. 2022 Aug 4:S1544-  
3191(22)00270-9. doi: 10.1016/j.japh.2022.07.017. Epub ahead of print. PMID: 36031547.
- 100 Miracle DK, Slavova S, Brown JR, **Dasgupta** N, Harris S, Freeman PR. Accuracy and validity of ‡  
reported opioid prescription days' supply. *Pharmacoepidemiol Drug Saf*. 2022 Aug 17. doi:  
10.1002/pds.5528. Epub ahead of print. PMID: 36053913.
- 99 Young JC, **Dasgupta** N, Stürmer T, Pate V, Jonsson Funk M. Considerations for observational study ‡  
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- claims. *Pharmacoepidemiol Drug Saf.* 2022 Aug;31(8):913-920. doi: 10.1002/pds.5452. Epub 2022 May 23. PMID: 35560685; PMCID: PMC9271595.
- 98 DiPrete BL, Ranapurwala SI, Maierhofer CN, Fulcher N, Chelminski PR, Ringwalt CL, Ives TJ, ‡  
**Dasgupta** N, Go VF, Pence BW. Association of Opioid Dose Reduction With Opioid Overdose and  
 Opioid Use Disorder Among Patients Receiving High-Dose, Long-term Opioid Therapy in North  
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 characteristics, and retention among individuals enrolled in low-barrier-to-treatment-access  
 methadone maintenance treatment. *J Subst Abuse Treat.* 2022 Jul;138:108753. doi:  
 10.1016/j.jsat.2022.108753. Epub 2022 Feb 25. PMID: 35277307.
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 Wheelock H. Principles and Metrics for Evaluating Oregon's Innovative Drug Decriminalization  
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 PMID: 35107693; PMCID: PMC8809225.
- 95 **Dasgupta** N. Countering Hesitancy and Misinformation on Side Effects to Complete the Course of  
 COVID Vaccination. *Journal of Patient Experience.* 2021 Dec 14;8:23743735211067313. doi:  
 10.1177/23743735211067313. PMID: 34926806; PMCID: PMC8679046.
- 94 **Dasgupta** N, Brown JR, Nocera M, Lazard A, Slavova S, Freeman PR. Abuse-Deterrent Opioids: A  
 Survey of Physician Beliefs, Behaviors, and Psychology. *Pain and Therapy.* 2021 Dec 6. doi:  
 10.1007/s40122-021-00343-z. Epub ahead of print. PMID: 34870790.
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 centering the expertise of lived experience. *Substance Abuse Treatment, Prevention, and Policy.* 2021  
 Dec;16(1):1-4.
- 92 Ajazi EM, **Dasgupta** N, Marshall SW, Monaco J, Howard AG, Preisser JS, Schwartz TA. Revisiting the ‡  
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- 91 Blackburn NA, Joniak-Grant E, Nocera M, Dorris SW, **Dasgupta** N, Chelminski PR, Carey TS, Wu LT, ‡  
 Edwards DA, Marshall SW, Ranapurwala SI. Implementation of mandatory opioid prescribing limits  
 in North Carolina: healthcare administrator and prescriber perspectives. *BMC Health Services  
 Research.* 2021 Dec;21(1):1-2.
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 Initial Prescription Length and Prescribing Limits on Risk of Prolonged Postsurgical Opioid Use.  
*Med Care.* 2022 Jan 1;60(1):75-82. doi: 10.1097/MLR.0000000000001663. PMID: 34812786.
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 Predictors of Prescription Opioid Use in a Longitudinal Community-Based Cohort Study of Middle-  
 Aged and Older Adults. *J Aging Health.* 2021 Aug 18;8982643211039338. doi:  
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- 88 **Dasgupta** N, Figgatt MC. Drug Checking for Novel Insights into the Unregulated Drug Supply. *Am J  
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 Grant E, **Dasgupta** N. Treatment experiences for skin and soft tissue infections among participants of

syringe service programs in North Carolina. *Harm Reduct J*. 2021 Jul 30;18(1):80. doi: 10.1186/s12954-021-00528-x. PMID: 34330297; PMCID: PMC8324443.

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- 84 Young JC, Pack C, Gibson TB, Yoon F, Irwin DE, Shiv S, Cooper T, **Dasgupta** N. Machine Learning Can Unlock Insights Into Mortality. *American Journal of Public Health*. 2021 Jul;111(S2):S65-8. ‡
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- 13 **Dasgupta N, Kapadia F.** The Future of the Public Health Data Dashboard. *Am J Public Health.* 2022 Jun;112(6):886-888. doi: 10.2105/AJPH.2022.306871. PMID: 35613427; PMCID: PMC9137018.
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- 01 Kramer ED and **Dasgupta N**. Citizen Petition Requesting a Safety Review of ANDAs for which Subutex or Suboxone is the RLD, FDA-2009-P-0074, March 6, 2009. <http://www.naabt.org/tl/FDA-Kramer-petition.pdf>

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## MAJOR DIGITAL WORKS

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2023-PRESENT	<b>NC Xylazine Report</b> (ncxylazine.streamlit.app) Drug checking results dashboard with video and interactive data, updated daily.
2022-PRESENT	<b>Street Safe Supply</b> ( <a href="https://streetsafe.supply">https://streetsafe.supply</a> ) Drug checking results website with NLP and data on chemical analysis of drug samples.
2022-PRESENT	<b>Street Check</b> Software for longitudinal record keeping of analytical chemistry for drug checking, in conjunction with Brandeis University.
2022-PRESENT	<b>Remedy Alliance</b> (remedyallianceftp.org) National e-commerce site for bulk purchasing of naloxone by harm reduction programs.
2019-PRESENT	<b>Opioid Data Lab</b> (OpioidData.org) Multi-institution epidemiologic methods and data sharing platform with GitHub integration.
2019-2023	<b>Strength and Numbers</b> (StrengthAndNumbers.org) Research collaboration site for pain patient and drug user audiences
2010-PRESENT	<b>StreetRx</b> (StreetRx.com) International crowdsourcing website for black market street prices of controlled substances. More than 1 million unique visitors per year.
2012-2018	<b>Prescribe to Prevent</b> (PrescribeToPrevent.org) Clinical resource for naloxone prescribing and dispensing for overdose prevention
2015-2017	<b>PoisonHelp.org</b> Official online triage tool of the American Association of Poison Control Centers (AAPCC)
2010-2016	<b>MedWatcher Social</b> (medwatcher.org) Patient-oriented side effect reporting and social media mining platform
2009-2014	<b>BioSense</b> (BioSen.se) Nationwide emergency department syndromic surveillance system
2007-2010	<b>DrugMap</b> (drugmap.org) News media aggregator and visualization platform for drug-related articles
2015-2017	<b>Yellow Card mobile app</b> Official pharmacovigilance app of the UK Medicines and Healthcare Regulatory Agency
2015-2017	<b>HALMED mobile app</b> Side effect reporting app for Croatian Agencija za lijekove i medicinske proizvode
2015-2017	<b>Lareb Beijwerking mobile app</b> Adverse event reporting app for Lareb The Netherlands Pharmacovigilance Centre
2013-2017	<b>MedWatcher mobile app</b> Official US FDA mobile app for medical device exception reporting and adverse events
2013-2015	<b>Project Lazarus Data Site</b> (ProjectLazarus.org) County-level metrics dashboard for opioid overdose and prescribing
2001-2004	<b>The South Asian Literature and Art Archive</b> (thesala.com) Post-9/11 online magazine dealing with issues of racism and xenophobia

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## MEDIA MENTIONS (THROUGH FEBRUARY 2025)

Asterisk (\*) indicates major national or international media outlet.

- 220\* Public health experts tracking dangerous industrial chemical in US drug supply  
CNN • February 12, 2025 • Brenda Goodman  
<https://www.cnn.com/2025/02/12/health/btmps-fentanyl-industrial-chemical/index.html>
- 219\* What to know about fentanyl, the synthetic opioid fueling America's deadliest drug epidemic  
CNN • February 8, 2025 • Nadia Kounang  
<https://www.cnn.com/2025/02/08/health/fentanyl-drug-us-explained-dg/index.html>
- 218\* Trump's tariffs lead to unexpected consequences in illicit drug markets, experts say  
New York Times • February 2, 2025 • Noah Weiland  
<https://www.nytimes.com/live/2025/02/02/us/trump-tariffs>
- 217\* Overdose deaths go into historic decline, reversing years of increases  
Washington Post • February 3, 2025 • David Ovalle  
<https://www.washingtonpost.com/health/2025/02/03/opioid-overdose-deaths-declining/>
- 216\* An Unprecedented 22 Percent Drop in Drug Deaths Does Not Mean Prohibition Is Finally Working  
Reason • January 30, 2025 • Jacob Sullum  
<https://reason.com/2025/01/30/an-unprecedented-22-percent-drop-in-drug-deaths-does-not-mean-prohibition-is-finally-working/>
- 215 Avengers research team makes 'tranq' discovery  
UNC Chapel Hill • January 16, 2025 • University Communications  
<https://www.unc.edu/posts/2025/01/16/avengers-research-team-makes-tranq-discovery/>
- 214\* Despite declining overdose deaths, experts warn the fentanyl crisis continues  
USA Today • December 21, 2024 • Mary Walrath-Holdridge  
<https://www.usatoday.com/story/news/nation/2024/12/21/fentanyl-overdose-naloxone-crisis/77130623007/>
- 213 Why are overdose deaths declining in Maine?  
Bangor Daily News • December 21, 2024 • Jessica Piper  
<https://www.bangordailynews.com/2024/12/21/mainefocus/mainefocus-health/why-overdose-deaths-declining-maine-joam40zk0w/>
- 212 The decline in fentanyl ODs nationally  
Whittier Daily News • December 19, 2024 • Whittier Editorial Board  
<https://www.whittierdailynews.com/2024/12/19/the-decline-in-fentanyl-ods-nationally/>
- 211 Carolina ranks 9th among all top U.S. research institutions  
UNC Research • December 10, 2024 • UNC Research  
<https://research.unc.edu/2024/12/10/carolina-ranks-9th-among-all-top-u-s-research-institutions/>
- 210\* The impact of fentanyl on American Indian and Alaskan Native communities  
Brookings Institute • December 5, 2024 • Rashawn Ray, Andre M. Perry  
<https://www.brookings.edu/articles/the-impact-of-fentanyl-on-american-indian-and-alaskan-native-communities/>
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<https://sph.unc.edu/sph-news/dasgupta-examines-social-and-economic-factors-that-fuel-opioid-crisis/>
- 15\* How the GOP tax bill could lead to more opioid overdoses  
**VICE News** • December 21, 2017 • Hamilton, K.  
[https://news.vice.com/en\\_us/article/43qweg/gop-tax-bill-could-lead-to-more-opioid-overdoses](https://news.vice.com/en_us/article/43qweg/gop-tax-bill-could-lead-to-more-opioid-overdoses)
- 14\* 5 suburban counties suing drug companies over opioid epidemic  
**Chicago Tribune** • December 21, 2017 • Gregory, T.  
<https://www.chicagotribune.com/suburbs/ct-met-suburban-counties-sue-opioid-makers-20171221-story.html>
- 13 Legalizing Opioids Would Dramatically Reduce Overdoses  
 The Foundation for Economic Education • November 2017 • Miron, J.A.  
<https://www.valuwalk.com/2017/11/legalizing-opioids-dramatically-reduce-overdoses/>
- 12\* Why the FDA Can't Fix the Opioid Crisis  
**Gizmodo** • August 23, 2017 • Kolitz D.  
<https://gizmodo.com/why-the-fda-cant-fix-the-opioid-crisis-1797950053>
- 11\* OxyContin goes global – “We’re only just getting started.”  
**Los Angeles Times** • December 18, 2016 • Ryan H, Girion L, Glover S.  
<https://www.latimes.com/projects/la-me-oxycontin-part3/>
- 10 Model program to fight drug abuse falls flat  
*Washington Examiner* • April 3, 2016 • Cunningham, P.W.  
<https://www.washingtonexaminer.com/model-program-to-fight-drug-abuse-falls-flat>
- 09 Fraternal twins: A shared future, a modern heritage  
*Walter Magazine* • February 1, 2016 • J. Michael Welton  
<https://waltermagazine.com/home/fraternal-twins-a-shared-future-a-modern-heritage/>
- 08 The US FDA launches Medwatcher to monitor drug side effects or medical device adverse events  
 美国FDA推出Medwatcher, 监控药品副作用或医疗设备不良事件  
 36KR • July 21, 2015 • Tang Nv Xia (via Lumia)  
<https://www.36kr.com/p/1720903909377>
- 07\* Researchers use black-market drug website to gauge public health  
**Boston Globe** • April 18, 2015 • Freyer, F.J.  
<https://www.bostonglobe.com/metro/2015/04/17/crowd-sourcing-website-reveals-black-market-drug-prices-but-its-purpose-public-health/cSMUlc9JrURxckanwygfn/story.html>
- 06 Searching social networks to detect adverse reactions.  
*The Pharmaceutical Journal* • January 22, 2015 • Sukkar E.

<https://www.pharmaceutical-journal.com/news-and-analysis/features/searching-social-networks-to-detect-adverse-reactions>

- 05 How pilfered Canadian pills are fueling a U.S. health crisis  
*Global News* • July 14, 2014 • Paperny, A.M.  
<https://globalnews.ca/news/1441882/how-pilfered-canadian-pills-become-a-hot-u-s-commodity/>
- 04 Reach for Me  
Sawbuck Productions [documentary film] • July 6, 2013
- 03\* Big Pharma Company Jacks Up Price of Overdose Life Saver by 1100%: Now, More People Will Die  
**AlterNet** • April 8, 2013 • Tessie Castillo  
<https://www.alternet.org/2013/04/big-pharma-company-jacks-price-overdose-life-saver-1100-now-more-people-will-die/>
- 02 StreetRx Study: One Year Later, New OxyContin Shows Lower Black-Market Price Than Old Crushable Version  
*BusinessWire* • November 16, 2011  
<https://www.businesswire.com/news/home/20111116006249/en/StreetRx-Study-Year-New-OxyContin-Shows-Black-Market>
- 01\* Kits Using Naloxone Revive Addicts After Opiate Overdose  
*The New York Times* • September 26, 2011 • Hoffman J  
<https://www.nytimes.com/2011/09/27/health/27overdose.html>

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## RESEARCH SUPPORT

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JAN 2024 - DEC 2024	<p><b>Drug Checking Adoption and Training [DCAT]</b></p> <p>Drug checking services allow people who use drugs (PWUD) to make more informed choices about the substances they use, how they use them, and how to mitigate risk of adverse outcomes, including overdose. Although there is growing recognition and support to purchase drug checking devices, there are only a limited number of technicians trained on how to use devices and interpret information for community members to able to make more informed choices about their use. And there are even fewer people who are able to train others on how to use and interpret findings. The University of North Carolina and Remedy Alliance will be responsible for developing the content and agenda for a Capacity Building Intensive for Lab-based and Community Based Drug Checking Technicians and lead a Capacity Building Intensive for Drug Checking Technicians.</p> <p><u>Name of PD/PI:</u> Dasgupta <u>Source of Support:</u> National Association of County and City Health Officials (NACCHO) <u>Total Award Amount (including Indirect Costs):</u> \$196,796.08 [Direct: \$167,203.00]</p>
JAN 2023 - DEC 2024	<p><b>Monitoring the North Carolina Drug Supply for Timely Health Action</b></p> <p><u>Major Goals:</u> This project will expand our current drug checking program to ensure timely data regarding the illicit drug supply is accessible to health organizations across NC at no cost. Research shows that people who use drugs are more likely to throw away drugs and avoid risky ones if they know what's in them. On a practical level, we have already seen how our results spark rational conversations where people are more receptive to getting help. With a hugely variable drug supply, we need to know what's in drugs to prevent harms. Health authorities (and people who use drugs) need to be aware of contaminants or ultra-potent batches. The continuing rise in overdose deaths demands new solutions, and the</p>

groundbreaking statewide public health service this project will build is certainly a new solution with a great deal of promise.

Name of PD/PI: Dasgupta

Source of Support: NC Collaboratory, Opioid Abatement and Recovery Research Program 2022

Total Award Amount (including Indirect Costs): \$380,000.00 [Direct: \$380,000.00]

JAN 2024 –  
DEC 2025

### **Scaling Up: UNC Street Drug Analysis Lab**

More than 4,000 North Carolinians die from overdose each year. The UNC Street Drug Analysis Lab has piloted a novel lab- based surveillance system to identify emerging drug threats successfully. Demand for the service has been high and outpaced the lab's capacity to respond. This funding from the NC Collaboratory will support the purchase of a dedicated GCMS machine and staff to scale up the program to continue to provide drug checking at no cost for North Carolina programs.

Name of PD/PI: Dasgupta

Source of Support: NC Collaboratory, Opioid Abatement and Recovery Research Program 2023

Total Award Amount (including Indirect Costs): \$525,983.00 [Direct: \$525,983.00]

JUN 2023 –  
MAY 2025

### **Health Communication to Improve Social Interaction: Promoting Health Equality Amongst Rising Economic Inequality**

To develop health communications to improve social interaction to promote health equality amongst rising economic inequality.

Name of PD/PI: Fredrickson

Source of Support: Robert Wood Johnson Foundation (RWJF)

Project/Proposal Start and End Date: 06/01/2023- 05/31/2025

Total Award Amount (including Indirect Costs): \$682,820.32 [Direct: \$609,661.00]

SEP 2024 -  
AUG 2026

### **Buprenorphine Initiation and Dosing to Reduce Non-fatal Overdoses and Prevent Mortality**

Evaluation of Buprenorphine Initiation and Dosing to Reduce Non-fatal Overdoses and Prevent Mortality

Name of PD/PI: Nabarun Dasgupta; Paul Watkins via Triangle CERSI

Source of Support: DHHS Food and Drug Administration (FDA)

Total Award Amount (including Indirect Costs): \$450, 532.63 [Direct: \$405,536]

SEP 2023 -  
AUG 2025

### **Characterization of the impact of xylazine and dexmedetomidine: binding profile, addictive behaviors, physiology, and wound development**

Name of PD/PI: Paul Watkins via Triangle CERSI; Zoe McElligott PI

Source of Support: DHHS Food and Drug Administration (FDA)

Total Award Amount (including Indirect Costs): \$1,449,894 [Direct: \$957,441]

JUL 2021 -  
JUL 2024

### **Exploring Intravenous Injection Behaviors, Knowledge, and Drug Preferences of Individuals Injecting Prescription Opioids and/or Prescription Stimulants**

Major Goals: The aim of this study is to conduct a qualitative study with individuals who report injecting prescription opioids and/or prescription stimulants to learn about the type of prescription drugs people inject and how they use them with non-prescription drugs.

Name of PD/PI: Jon Zibbel (Dasgupta sub award PI)

Source of Support: US Food and Drug Administration [FDA]/subaward from RTI

Total Award Amount (including Indirect Costs): \$246,188.88 [Direct: \$195,388.00]

FEB 2022 -  
AUG 2024

### **Randomized Trial and Analytic Chemistry Innovations to Optimize Drug Alerts**

The aims of this study include creating a drug checking service in North Carolina using mass spectrometry technologies and conduct a message testing RCT to generate evidence for best practices in drug alert communication.

Name of PD/PI: Dasgupta

Source of Support: Foundation for Opioid Response Efforts (FORE)

Total Award Amount (including Indirect Costs): \$599,907.00 [Direct: \$545,370.00]

- SEP 2022 -  
OCT 2025
- Opioid Data Lab: Understanding Overdose Risk Through Innovative Epidemiology and Analytical Chemistry**  
Three proposed projects to provide FDA with a comprehensive view of key drivers of overdose mortality during a period when these deaths are driven by a mix of prescribed and unregulated opioids (heroin-fentanyl).  
Name of PD/PI: Dasgupta  
Source of Support: US Food and Drug Administration [FDA]  
Total Award Amount (including Indirect Costs): \$ 4,579,845.00 [Direct: \$3,431,828.00]
- SEP 2022 -  
JUN 2026
- Creating a novel place-based measure to explain racial disparities in naloxone access to reduce opioid overdose deaths**  
Our objective is to develop a novel, comprehensive place-based measure of naloxone availability and document disparities in naloxone availability so that naloxone-distributing entities can make data-informed decisions on how to increase equity in naloxone access to reduce racial disparities in opioid overdose deaths in North Carolina.  
Name of PD/PI: Delesha Carpenter  
Source of Support: National Institute of Health [NIH]  
Total Award Amount (including Indirect Costs): \$ 2,408,581
- APR 2023 -  
MAR 2028
- Ameliorating Social Isolation in Populations Facing Health Disparities: Identifying Social Structural and Person-level Factors that Impede or Facilitate Health-related Social Behavior**  
The objective of this work is to conduct basic experimental research on social connectedness to test whether, how, where, and for whom social media messages can reduce social isolation and loneliness in young adults.  
Name of PD/PI: Barbara Fredrickson  
Source of Support: National Institute of Health [NIH]  
Total Award Amount (including Indirect Costs): \$3,716,913.39 [Direct: \$2,390,298.00]
- JUL 2023 -  
JUN 2028
- Optimizing Social Connectedness Interventions for Young Adults with Cancer**  
The objective of this work is to optimize a social connectedness intervention for young adults with cancer and conduct a randomized controlled trial to test its efficacy to improve flourishing mental health and quality of life in this population.  
Name of PD/PI: Allison Lazard  
Source of Support: National Institute of Health [NIH]  
Total Award Amount (including Indirect Costs): \$3,870,992 [Direct: \$2,499,816.00]
- JUL 2023 -  
JUN 2026
- Examining racial disparities in fatal overdose, self-harm, and assault following law-enforcement mediated involuntary commitment**  
Name of PD/PI: David Rosen  
Source of Support: National Institute of Health [NIH]  
Total Award Amount (including Indirect Costs): \$1,941,440.98 [Direct: \$1,126,636.00]

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**RESEARCH SUPPORT: COMPLETED**

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2018- 2023      US Food and Drug Administration HHSF223201810183C  
Methodological Advances in Evaluating Abuse Deterrent Opioid Analgesics  
**Dasgupta** N (PI), Slavova, S (co-PI), Ripptoe P, Bunn T, Jonsson Funk M, Ranapurwala S,  
Naumann R, Marshall SW  
**Role: Principal Investigator**  
\$3,205,422 (direct: \$2,133,84)  
This 4-year research and dissemination project is intended to position the Food and Drug

Administration (FDA) to be prepared for the next generation of post-marketing studies of opioid analgesics by leveraging emerging data connectivity and generating advances for epidemiologic methods.

- 2021-2022 Massachusetts Department of Health  
Software Development for Drug Checking of Illicit Drug Supply  
Green TC (subcontract to Brandeis University)  
**Role: Co-Investigator**  
Develop software to facilitate data collection and visualization of drug checking in harm reduction programs. Develop a machine learning algorithm to automate FTIR analysis of street drug samples.  
(~\$1,000,000 awarded, contract pending)
- 2020-2021 International Society for Pharmacoepidemiology  
Manuscript Retractions in Real World Data  
DiSantostefano RL, Ritchey ME, McNeill A, Dasgupta N, Rentsch CT, Pearson S-A, Pratt N, Scultze A, Wang SV  
**Role: Co-Investigator**  
<\$10,000 for publication fees only
- 2018- 2023 Centers for Disease Control and Prevention R01CE0030090100  
Evaluation of state-mandated acute and post-surgical pain-specific opioid prescribing guidelines  
Ranapurwala S, Dasgupta N, Naumann R, Shanahan M, Carey T, Chelminski P, Marshall SW  
**Role: Co-Investigator**  
\$2,039,525 (direct: \$1,390,047)  
Evaluation of opioid prescribing changes resulting from the NC STOP Act.
- 2015-2018 Centers for Disease Control and Prevention 7-312-0213618-52523L (RTI Subaward to UNC)  
Evaluation of Prescription Drug Overdose Prevention for States Program  
Ringwalt C (PI)  
**Role: Co-Investigator**  
\$465,228 (direct: \$306,071)  
Evaluation of state efforts to reduce prescription opioid overdose.
- 2018-2020 National Institute on Drug R36-DA045885-01  
Abuse Identifying opportunities to reduce unnecessary opioid exposure and prevent iatrogenic addiction after outpatient surgery  
Jonsson-Funk M (PI) Chidgey B, Young J, Hudgens M, Dasgupta N, Stürmer T, Pate V  
**Role: Co-Investigator**  
\$73,923  
Dissertation support to Jessica Young for data linkage.
- 2016-2019 National Cancer Institute U01 CA207160  
Drug Repurposing for Cancer Therapy: From Man to Molecules to Man  
Tropsha A (PI)  
**Role: Co-Investigator**  
This drug repurposing project identified new targets for pediatric oncology using machine learning and natural language processing of social media, scientific literature, and other data.
- 2014-2017 EU Innovative Medicines Initiative, Joint Undertaking n°115632 (MHRA to Epidemico)  
€6,071,620 (approximately \$6,911,622)  
**Role: Workpackage Lead and General Advisory Board**

Led by a consortium of world-leading experts from industry, regulatory agencies, and academia, this project delivered an EU-wide mobile phone app that enables users to report Adverse Drug Reactions (ADRs) directly to their National Competent Authority (NCA). We also developed text-mining techniques for publicly available data on social media sites, complementing existing methods of signal detection.

- 2014-2017 US Food and Drug Administration HHSF223201400184C  
Enhancing tobacco surveillance through online monitoring  
**Role: Principal Investigator**  
\$1,084,820  
Expanded social media monitoring and analytics tool, MedWatcher Social, to include search/filter/classification taxonomy, evaluation analyses and insight visualization to specifically target tobacco use, outcomes, perceptions and attitudes to help regulate the manufacture, marketing and distribution (supply chain) of tobacco products and protect Americans from tobacco-related death and disease.
- 2012-2016 Centers for Disease Control and Prevention U01CE002162  
Evaluation of a community-based initiative to prevent opioid overdose  
Ringwalt, C (PI)  
**Role: Co-Investigator**  
\$137,103 (direct costs: \$92,637)  
Evaluated a community-based intervention, Project Lazarus and the Chronic Pain Initiative, in North Carolina, including large-scale data analysis of prescription monitoring program data.
- 2013-2016 US Food and Drug Administration HHSF223201310211C  
Mining social media for public-health risks in foreign drug and food supply chains  
**Role: Principal Investigator**  
\$1,719,206  
Adapted MedWatcher Social platform to monitor social media for signals related to food and drug safety in countries of origin of food, drugs and cosmetics imported into the US. Specific focus on China and Chinese social media. Conducted requirements gathering, usability testing, conducted statistical analyses, contributed to user interface design, conducted stress testing, performed routine system maintenance, conducted demos, presented findings, drafted progress reports, and oversaw team of software developers..
- 2012-2015 US Food and Drug Administration HHSF223201210194C  
Mining Social Media for Adverse Event Surveillance  
**Role: Principal Investigator**  
\$800,612  
Developed the MedWatcher Social platform to detect adverse events reported in social media (Facebook, Twitter, news, blogs, and patient forums). Conducted requirements gathering, usability testing, conducted statistical analyses, contributed to user interface design, conducted stress testing, performed routine system maintenance, conducted demos, presented findings, drafted progress reports, and oversaw team of software developers.
- 2011-2014 US Food and Drug Administration HHSF223201210016C  
Develop a Mobile Application for Submitting Medical Device Reports to FDA  
**Role: Principal Investigator**  
\$329,975  
Created and maintained multi-platform mobile app and website (MedWatcher) for reporting adverse events to FDA. Conducted requirements gathering, usability testing, conducted

statistical analyses, contributed to user interface design, conducted stress testing, performed routine system maintenance, conducted demos, presented findings, drafted progress reports, and oversaw team of software developers.

- 2012-2014 US Department of Justice 2012-R2-CX-0002  
Identifying High Risk Prescribers Using PDMP Data: A Tool for Law Enforcement  
Ringwalt C (PI)  
**Role: Co-Investigator**  
\$249,983  
This project developed a novel data mining algorithm to identify aberrant controlled substance prescribing.
- 2015-2016 Kate B. Reynolds Charitable Trust 20150526  
A Process and Outcome Evaluation of North Carolina Chronic Pain Initiative  
Ringwalt, C (PI)  
**Role: Co-Investigator**  
\$92,000  
We evaluated the statewide roll-out of Project Lazarus and the Chronic Pain Initiative.
- 2011-2013 Robert Wood Johnson Foundation 20110726  
Assessing the Effectiveness of Prescription Drug Monitoring Programs  
**Role: Principal Investigator**  
\$146,179 (direct: \$134,472)  
The objective of this project was to apply the public health law research framework to evaluate effectiveness of prescription drug monitoring programs (PDMPs) in preventing overdose deaths.
- 2009-2014 Centers for Disease Control and Prevention  
BioSense 2.0 Redesign Program  
Massoudi B (PI)  
**Role: Sub-contract to Epidemico from RTI International**  
Helped create nationwide syndromic surveillance system for hospital emergency department admissions. Conducted requirements gathering, usability testing, served as liaison to community of practice, advised on statistical methods, contributed to user interface design, conducted stress testing, performed routine system maintenance, conducted demos, presented findings, provided technical assistance, drafted progress reports, and oversaw team of software developers.

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## INVITED FDA ADVISORY COMMITTEE AND PUBLIC WORKSHOP PRESENTATIONS

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**Dasgupta, N.** Inches, Centimeters, and Yards: Overlooked Definition Choices Inhibit Interpretation of Morphine Equivalence. FDA Workshop, June 7-8, 2021.

**Dasgupta, N.** Overview of Evaluating ADFs in the Community. Guest Speaker at the Joint Meeting of the Drug Safety and Risk Management Advisory Committee (DSaRM) and the Anesthetic and Analgesic Drug Products Advisory Committee (AADPAC). September 10, 2020

**Dasgupta N.** Excipient Harms and Tampering of Opioid Analgesics. Guest Speaker at the Joint Meeting of the Anesthetic and Analgesic Drug Products Advisory Committee (AADPAC) and the Drug Safety and Risk Management Advisory Committee (DSaRM). July 26, 2017

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## ACADEMIC APPOINTMENTS

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- 2020-present *Gillings Innovation Fellow*  
Gillings School of Global Public Health, University of North Carolina at Chapel Hill
- 2018-present *Senior Scientist*  
Injury Prevention Research Center, University of North Carolina at Chapel Hill
- 2014-2016 *Research Scientist, part-time, advising ongoing research*  
Injury Prevention Research Center, University of North Carolina at Chapel Hill
- SPRING 2008 *Teaching Assistant*  
Epidemiology 722: Epidemiologic Analysis of Time-to-Event Data, University of North Carolina at Chapel Hill  
*Professor: Stephen Marshall*
- 2005-2017 *Graduate Research Assistant*  
Gillings School of Global Public Health, University of North Carolina at Chapel Hill  
*Mentors: Jim Thomas and Michele Jonsson Funk*
- SPRING 2003 *Teaching Assistant*  
Ecology and Evolutionary Biology 122: Principles of Evolution, Ecology and Behavior, Yale University  
*Professor: Stephen C. Stearns*
- SPRING 2002 *Teaching Assistant*  
History 350b: Islamic Movements in the Middle East since 1773, Yale University  
*Professor: Abbas Amanat*
- 2001-2003 *Graduate Research Assistant*  
Yale School of Public Health, Yale University, New Haven, Connecticut  
*Mentors: Robert Heimer and Bruce Alexander*
- 1996-2001 *Undergraduate Research Assistant; Work Study*  
Molecular Biology; Firestone Library and University Art Museum, Princeton University

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## HONORS AND AWARDS

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- 2026 Dogwood Award for service to the state from NC Attorney General Jeff Jackson
- 2026 TIME100 Health list of most influential leaders in health
- 2025 MacArthur "Genius" Fellowship (2025 to 2030)
- 2023 TIME 100 Next list of emerging global leaders in Activist category
- 2023 Honorable Mention, Ronald D. Mann Prize for Best Original Paper in *Pharmacoepidemiology and Drug Safety*
- 2020 Honorable Mention, Ronald D. Mann Prize for Best Original Paper in *Pharmacoepidemiology and Drug Safety*
- 2014 Barbara Sorensen Hulka Dissertation Award, Department of Epidemiology, University of North Carolina
- 2013 Abstract of the Year, American Public Health Association National Conference; Law Section
- 2007 Best Student Abstract, American Public Health Association National Conference; Alcohol, Tobacco, and Other Drugs Section

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## PHD DISSERTATION ADVISING

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- 2026 *Committee member*, Katherine Gora Combs  
UNC Department of Epidemiology
- 2024 *Committee member*, Kendall LaSane  
“Barriers to and Facilitators for Equitable Uptake of Over-the-Counter Naloxone: A Qualitative Case Study of New York and Texas”  
doi:10.17615/tyxm-8v04  
UNC Department of Health Policy & Management
- 2021 *Committee member*, Mary Figgatt  
“Infections and mortality among people who use drugs”  
doi:10.17615/597x-5695  
UNC Department of Epidemiology
- 2021 *Committee member*, Elizabeth Ajazi  
“Application of Inverse Probability Weighting to Clinical Trials of Treatments for Opioid Use Disorder”  
doi:10.17615/t58f-xn72  
UNC Department of Biostatistics
- 2020 *Committee member*, Jessica Young  
“Opioids use for acute pain management associated with outpatient surgery: opportunities to reduce diversion and iatrogenic addiction”  
UNC Department of Epidemiology
- 2020 *Committee member*, Phyo Htoo  
“Comparative performance of methods to estimate the effects of medications in the presence of a calendar time trend in prescribing”  
UNC Department of Epidemiology
- 2018 *Committee member*, Apostolos Alexandridis  
“Longitudinal cohort studies of addiction treatment initiation and opioid overdose prevention efforts in North Carolina”  
UNC Department of Epidemiology
- 2015 *Committee member*, Clark Freifeld  
“MedWatcher: novel informatics tools for detecting adverse events of medical products in post-marketing”  
Boston University Department of Biomedical Engineering

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## PRACTICUM, INTERNSHIP, AND STUDENT GROUP MENTORING

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- SUMMER 2024 *Mentor*, Bryn Haden  
Summer employment, UNC Gillings School of Global Public Health
- SUMMER 2024 *Mentor*, Anuja Panthari  
MPH Practicum, UNC Gillings School of Global Public Health
- SUMMER 2023 *Mentor*, Zoë Martin del Campo  
MPH Practicum, UNC Gillings School of Global Public Health

2022-PRESENT	<i>Faculty Advisor, Students for Sensible Drug Policy (SSDP) Harm Reduction Chapter at UNC Willem Kelson, Aleigh Andrews, Kelley Alex Filby</i>
2020-2022	<i>Mentor, Rujula Yete Senior project, NC School for Science and Math</i>
SUMMER 2020	<i>Internship Mentor, Daniel Amparo Environmental Sciences and Engineering, UNC Gillings School of Global Public Health</i>
2021-PRESENT	<i>Fellowship Mentor, Mary Figgatt Injury Prevention Fellowship, UNC Injury Prevention Research Center</i>
2020-PRESENT	<i>Fellowship Mentor, Kristen Shuie Injury Prevention Fellowship, UNC Injury Prevention Research Center</i>
2018-2020	<i>Fellowship Mentor, Alex Gertner Injury Prevention Fellowship, UNC Injury Prevention Research Center</i>
2017-2018	<i>Fellowship Mentor, Aseem Kaul, "Systematic Review of Excipient Harms" UNC School of Medicine MD/MPH practicum</i>

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## JOURNAL EDITORSHIPS

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2020- PRESENT	<i>Editorial Board, Drug Safety Official peer-reviewed journal of the International Society for Pharmacovigilance</i>
2019- PRESENT	<i>Associate Editor, American Journal of Public Health Official peer-reviewed journal of the American Public Health Organization <b>Role: Lead surveillance methods section, led multiple supplements</b></i>
2008- PRESENT	<i>Associate Editor, Pain Medicine Official peer-reviewed journal of the American Academy of Pain Medicine Section: Opioids, Substance Abuse &amp; Addiction</i>

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## ACADEMIC JOURNAL PEER REVIEWER (2017-PRESENT)

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*Addiction*

*Addictive Behaviors*

*American Journal of Drug and Alcohol Abuse*

*American Journal of Epidemiology*

*American Journal of Preventative Medicine*

*American Journal of Public Health*

*BMC Medical Research Methodology*

*The British Medical Journal*

*British Medical Journal Open*

*Clinical Journal of Pain*

*Clinical Toxicology*

*Drug and Alcohol Dependence*  
*Drug and Alcohol Review*  
*Drug Safety*  
*Drugs - Real World Outcomes*  
*Drugs in Context*  
*Environment, Systems and Decisions*  
*European Journal of General Practice*  
*Expert Opinion on Drug Safety*  
*Health Security*  
*Inquiry*  
*Journal of Community Practice*  
*International Journal of Drug Policy*  
*International Journal of Risk & Safety in Medicine*  
*Journal of Addiction Medicine*  
*Journal of Drug Issues*  
*Journal of Medical Internet Research*  
*Journal of Medical Internet Research – Public Health*  
*Journal of Pain*  
*Journal of Rural Health*  
*The Lancet Psychiatry*  
*Pain and Therapy*  
*Pain Medicine*  
*Preventive Medicine*  
*Pharmacoepidemiology & Drug Safety*  
*PLoS One*  
*Risk and Safety in Medicine*  
*SAGE Open Medicine*  
*Social Problems*  
*Social Work in Mental Health*  
*Scientific Reports*  
*Substance Abuse Treatment, Prevention and Policy*  
*Therapeutic Advances in Drug Safety*

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## CONFERENCE ABSTRACT REVIEWER

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2014- PRESENT International Conference on Pharmacoepidemiology and Therapeutic Risk Management  
2010- PRESENT Harm Reduction Coalition National Conference

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## GRANT REVIEW STUDY SECTIONS

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2021 National Institutes of Health, National Institute of Drug Abuse  
RFA-DA-21-020 - HEAL Initiative: HEALthy Brain and Child Development Study (Collaborative U01)  
RFA-DA-21-021 - HEAL Initiative: HEALthy Brain and Child Development Study (U01 unlinked)  
RFA-DA-21-022 - HEAL Initiative: HEALthy Brain and Child Development Consortium Administrative Core (U24)  
RFA-DA-21-023 - HEAL Initiative: HEALthy Brain and Child Development Data Coordinating Center (U24)

2016 Centers for Disease Control and Prevention, Injury and Violence Prevention Branch

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## PROFESSIONAL SOCIETY MEMBERSHIP

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2007- PRESENT American Public Health Association  
2006- PRESENT International Society for Pharmacoepidemiology

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## BOARD MEMBERSHIPS

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2021- PRESENT Remedy Alliance // For The People (national)  
Role: Board Chair  
Naloxone Buyers Club providing access to low-cost naloxone for overdose prevention to harm reduction programs

2014, 2018 US FDA Drug Safety and Risk Management Advisory Committee  
**Role: Ad hoc member**

2013- 2024 RADARS® System, Denver Health and Hospitals Authority, Denver, Colorado  
**Role: Scientific Advisory Board**

2008-2018 National Harm Reduction Coalition  
**Role: Board Chair (2015-2018)**  
Oversaw international executive director search

2010-2017 Project Lazarus, Moravian Falls, North Carolina  
**Role: Board member**

2007-2013 North Carolina Harm Reduction Coalition  
**Role: Board member**