
EDUCATION

- 2014 to 2016 **Drexel University, David and Dana Dornsife School of Public Health**
Philadelphia, Pennsylvania
Master of Science in Biostatistics
- Master's Thesis: *Effects of Sleep Duration and Chronotype on the Relationship between Body Mass Index and Diabetes*
 - Advisors: Drs. Marcia Polansky and Alexandra L. Hanlon
- 2009 to 2013 **Bryn Mawr College**
Bryn Mawr, Pennsylvania
Baccalaureate of Arts Dual Degree in Mathematics and Spanish

PROFESSIONAL/RESEARCH EXPERIENCE

- 2019 to present **Assistant Director**
Center for Biostatistics and Health Data Science
Virginia Polytechnic Institute and State University
Roanoke, Virginia
- 2015 to 2019 **Statistical Analyst**
BECCA (Biostatistics * Evaluation * Collaboration * Consultation * Analysis) Lab
School of Nursing, University of Pennsylvania
Philadelphia, Pennsylvania
- 2012 **Research Intern**
Pacific Undergraduate Research Experience in Mathematics
University of Hawai'i at Hilo
Hilo, Hawaii

TEACHING EXPERIENCE

- 2020 to present Introduction to Biostatistics (Independent Study), Center for Biostatistics and Health Data Science, Department of Statistics, Virginia Polytechnic Institute and State University
Roanoke, Virginia
- 2013 Teaching Assistant, Basic Probability and Statistics
Department of Mathematics, Bryn Mawr College
Bryn Mawr, Pennsylvania

COMPUTER BACKGROUND

- Languages SAS, R, AMOS
Software Github, SPSS, Stata, Mplus, PASS, MS Office

HONORS AND AWARDS

- 2014 to 2016 Dean's Scholarship
Drexel University, David and Dana Dornsife School of Public Health
- 2013 Massachusetts Institute of Technology Lincoln Labs Research Award in Math
Department of Mathematics, Bryn Mawr College

PUBLICATIONS**Peer Reviewed Journal Articles:**

- Cripe, B.A., Orfield, N.J., Apel, P.J., **Lozano, A.J.**, Hanlon, A.L., Capito, A.E. Predictors of Mortality and Revision Following Digital Amputation. *Journal of Hand Surgery*. (revisions submitted).
- Hanlon A.L., **Lozano A.J.**, Prakash S., et al. A Comprehensive Survey of Collaborative Biostatistics Units in Academic Health Centers. *Stat.* 2002;e521. In press. [https:// doi.org/10.1002/sta4.521](https://doi.org/10.1002/sta4.521)
- Hanlon A.L., Pauly M.V., Huang L., **Lozano A.J.**, Hirschman K.B., McCauley K., Press M., Naylor M.D. Medical Complexity Mediates Healthcare Resource Use in the Socially Vulnerable. *J Healthc Manag.* 2022 May 1;67(3):173-191. doi: 10.1097/JHM-D-21-00072. PMID: 35576444.
- Han, J. E., **Lozano, A.**, Hasan, S., Choi, J. I., Chhabra, A. M., Tsai, H., . . . Press, R. H. (2022). Proton Therapy Outcomes for Head and Neck Cutaneous Melanoma: Proton Collaborative Group Analysis. *International Journal of Particle Therapy*. doi:[10.14338/ijpt-22-00003.1](https://doi.org/10.14338/ijpt-22-00003.1)
- Hanlon A.L., Pauly M.V., Huang L., **Lozano A.J.**, Hirschman K.B., McCauley K., Press M., Naylor M.D. Medical Complexity Mediates Healthcare Resource Use in the Socially Vulnerable. *J Healthc Manag.* 2022 May 1;67(3):173-191. doi: 10.1097/JHM-D-21-00072. PMID: 35576444.
- Han, J. E., **Lozano, A.**, Hasan, S., Choi, J. I., Chhabra, A. M., Tsai, H., . . . Press, R. H. (2022). Proton Therapy Outcomes for Head and Neck Cutaneous Melanoma: Proton Collaborative Group Analysis. *International Journal of Particle Therapy*. doi:[10.14338/ijpt-22-00003.1](https://doi.org/10.14338/ijpt-22-00003.1)
- Lisanti, A. J., Golfenshtein, N., Marino, B. S., Huang, L., Hanlon, A. L., **Lozano, A. J.**, . . . Medoff-Cooper, B. (2022). Quality of Life of Mothers of Infants Subjected to Neonatal Cardiac Surgery: The Importance of Psychosocial Factors. *World Journal for Pediatric and Congenital Heart Surgery*, 13(3), 324-331. doi:[10.1177/21501351221088832](https://doi.org/10.1177/21501351221088832)
- Taney, K., Smith, M.M., Cummings, N.P., **Lozano, A.J.** (2021). Risk Factors for Failure of Hard Palate Mucoperiosteal Flap Repair of Acquired Oronasal Communication in Dogs: A Pilot Study. *Frontiers in Veterinary Science*. DOI: 10.3389/fvets.2021.762842
- Choi, J.I., Khan, A.J., Powell, S.N., McCormick, B., **Lozano, A.J.**, Del Rosario, G., Mamary, J., Liu, H., Fox, P., Gillespie, E., Braunstein, L.Z., Mah, D., Cahlon, O. (2021). Proton Reirradiation for Recurrent or New Primary Breast Cancer in the Setting of Prior Breast Irradiation. *Radiation and Oncology*. DOI: doi: 10.1016/j.radonc.2021.10.010. PMID: 34688807.
- Golfenshtein, N., Hanlon, A.L., **Lozano, A.J.**, Srulovici, E., Lisanti, A.J., Cui, N., Medoff-Cooper, B. (2021). Parental Post Traumatic Stress predicts Healthcare Utilization in infants with Congenital Heart Defects: A secondary analysis of a randomized clinical trial. *The Journal of Pediatrics*. DOI: 10.1016/j.jpeds.2021.06.073.
- Hrubec, T., Seguin, R.P., Xu, L., Cortopassi, G.A., Datta, S., Hanlon, A.L., **Lozano, A.J.**, McDonald, V.A., Healy, C.A., Anderson, T.C., Musse, N.A., Williams, R.T. (2021). Altered Toxicological Endpoints in Humans with Quaternary Ammonium Compound Exposure. *Toxicology Reports*. DOI: 10.1016/j.toxrep.2021.03.006.
- Merritt, W., Roberge Bouchard, D., Ford, C., **Lozano, A.**, Xu, Y., Hanlon, A., Petrelli, N., Tiesi, G. (2021). The Disclosure Slide – Informative or Obligatory, Five Years of SSO Cancer Symposium Oral Presentations. *Journal of Surgical Oncology*. DOI: 10.1002/jso.26456.
- Brawner, B.M., Jemmot, L.S., Hanlon, A.L., **Lozano, A.J.**, Abboud, S., Ahmed, C., Wingood, G. (2021). Results from Project GOLD: A pilot randomized controlled trial of a psychoeducational HIV/STI prevention intervention for Black youth. *AIDS Care*. DOI: 10.1080/09540121.2021.1874273.
- Richards, K.C., Allen, R.P., Morrison, J., Fry, L., Kovach, C.R., Rangel A., Loera, A., Wang, Y., Hanlon, A.L., **Lozano, A.J.**, Bliwise, D.L. (2020). Nighttime Agitation and Restless Legs Syndrome: Enhancing Recognition and Improving Care. *JAMDA*. DOI: 10.1016/j.jamda.2020.11.026.

- Richards, K. C., Morrison, J., Wang, Y. Y., Rangel, A., Loera, A., Hanlon, A., **Lozano, A.**, Kovach, C., Gooneratne, N., Fry, L., Allen, R. (2020). Nighttime Agitation and Restless Legs Syndrome in People with AD (NightRest): Study Protocol for a Double-blind Placebo-controlled Randomized Trial. *Research in Gerontological Nursing*. PMID: 32966585 DOI: 10.3928/19404921-20200918-01.
- Prudencio, J., **Lozano, A.**, Xu, Y., Wongwiwatthanakit, S. (2020). Instagram as a Tool to Enhance Pharmacy Student Learning of Ambulatory Care Pharmacy. *Currents in Pharmacy Teaching and Learning*. DOI: 10.1016/j.cptl.2020.09.007.
- Chou, J., Pellegrin, K., Cooke, C., Zarowitz, B., Hanlon, A., **Lozano, A.**, Brandt, N. (2020). Understanding the Socioeconomic and Geographical Characteristics of Beneficiaries Receiving a Comprehensive Medication Review (CMR). *Journal of Managed Care & Specialty Pharmacy*. DOI: 10.18553/jmcp.2020.26.10.1276.
- Ricco, A., Barbera, G., Lanciano, R., Feng, J., Hanlon, A., **Lozano, A.**, Good, M., Arrigo, A., Lamond, J., Yang, J. (2020). Favorable biochemical freedom from recurrence at 10 years following Stereotactic Body Radiation Therapy for Intermediate and High Risk Prostate Cancer. *Frontiers in Oncology, section Radiation Oncology*. DOI: 10.3389/fonc.2020.01505.
- Ricco, A., Barlow, S., Jacob, J., Jing Feng, J., **Lozano, A.**, Hanlon, A., Arrigo, S., Obayomi-Davies, O., Lamond, J., Yang, J., Lanciano, R. (2020). Repeat Thoracic Stereotactic Body Radiation Therapy (SBRT) for Non Small Cell Lung Cancer: long term outcomes, toxicity and dosimetric considerations. *Advances in Radiation Oncology*. DOI: 10.1016/j.adro.2020.06.006.
- Patterson, F., Dominick, G., Mitchell, J., **Lozano, A.**, Huang, L., Hanlon, A. (2020). Does Meeting Physical Activity Recommendations ameliorate association between Television Viewing with Cardiovascular Disease Risk? A Cross-sectional, Population Analysis. *BMJ Open*. DOI: 10.1136/bmjopen-2019-036507.
- Ratnasekera, A., Pulido, O., Durgin, S., Nichols, S., **Lozano, A.**, Sienko, D., Hanlon, A., Martin, N. (2020). Venous Thromboembolism Following Penetrating Femoral and Popliteal Artery Injuries: An Opportunity for Increased Prevention. *Trauma Surgery & Acute Care Open*. DOI: 10.1136/tsaco-2020-000468.
- Healy, S., Williams, E., **Lozano, A.**, Hanlon, A., Patterson, F. (2020). Rethinking daily movement behaviors for children with autism spectrum disorder; meeting the 24-hour movement guidelines. *British Journal of Learning Disabilities*. DOI: 10.5507/euj.2020.006.
- Collins, P., Apel, P., Truong, A., Zarei, M., **Lozano, A.**, Capito, A. (2020). The Utility of Preoperative HbA1C as a Standardized Protocol in Elective Carpal Tunnel Release: A Retrospective Review on Clinical Outcomes. *HAND*. DOI: 10.1177/1558944720919181.
- Wang, Y., Cheng, C., Moelter, S., Fuentecilla, J.L., Kincheloe, K., **Lozano, A.J.**, Carter, P., Gooneratne, N., Richards, K.C. (2020). One Year of CPAP Adherence Improves Cognition in Older Adults with Mild Apnea and Mild Cognitive Impairment: A Secondary Analysis of Memories 1. *Nursing Research*. DOI: 10.1097/NNR.0000000000000420.
- Riegel, B., Daus, M., **Lozano, A.J.**, Malone, S.K., Patterson, F., Hanlon, A.L. (2019). Shift workers have higher blood pressure medicine use, but only when they are short sleepers: A longitudinal UK Biobank Study. *Journal of the American Heart Association*. DOI: 10.1161/JAHA.119.013269.
- Petrovsky, D.V., Sefcik, J.S., Hanlon, A.L., **Lozano, A.J.**, Cacchione, P.Z. (2019). Social Engagement, Cognition, Depression and Co-morbidity in Nursing Home Residents with Sensory Impairment. *Research in Gerontological Nursing*. DOI: 10.3928/19404921-20190627-01.
- Howe, K., Kaluna, L., **Lozano, A.**, Torres Fischer, B., Tagami, Y., McHugh, R., Jarvi, S. (2019). Water transmission potential of *Angiostrongylus cantonensis*: larval viability and effectiveness of rainwater catchment sediment filters. *PLoS One*. DOI: 10.1371/journal.pone.0209813.
- Wright, E. N., Hanlon, A., **Lozano, A.**, & Teitelman, A. M. (2019). The Impact of Intimate Partner Violence, Depressive Symptoms, Alcohol Dependence, and Perceived Stress on 30-Year Cardiovascular Disease Risk Among Young Adult Women: A Multiple Mediation Analysis. *Preventive Medicine*. DOI: 10.1016/j.ypmed.2019.01.016.

- Richards, K., Gooneratne, N., Diccico, B., Hanlon, A., Moelter, S., Onen, F., Sawyer, A., Crecenz, M., Wang, Y., Weaver, T., **Lozano, A.**, Carter, P., Johnson, J. (2019). CPAP Adherence May Slow 1-Year Cognitive Decline in Older Adults with Mild Cognitive Impairment and Apnea. *Journal of the American Geriatrics Society*. DOI: 10.1111/jgs.15758.
- Brawner, B.M., Jemmot, L.S., Wingood, G., **Lozano, A.J.**, Hanlon, A.L. (2019). Characteristics of Black youth enrolled in a pilot randomized controlled trial of a novel psychoeducational HIV/STI prevention intervention. *Research in Nursing & Health*. DOI: 10.1002/nur.21930.
- Varas-Diaz, N., Betancourt-Diaz, E., **Lozano, A.J.**, Huang, L., DiNapoli, L., Hanlon, A., Villarruel, A (2019). Testing the efficacy of a web-based parent-adolescent sexual communication intervention among Puerto Ricans. *Family and Community Health Journal*. DOI: 10.1097/FCH.000000000000209.
- Lach, H., **Lozano, A.**, Hanlon, A., Cacchione, P. (2019). Fear of falling in sensory impaired nursing home residents. *Aging and Mental Health*. DOI: 10.1080/13607863.2018.1537359.
- Mnatzaganian, C.L., **Lozano, A.J.**, Pellegrin, K.L., Miyamura, J., Knox, M.A., Hanlon, A. (2019). Acute respiratory and cardiovascular outcomes associated with low levels of ambient fine particulate matter (PM_{2.5}) on the island of Oahu. Proceedings of the 52nd Hawaii International Conference on Systems Sciences (HICSS)-52, Wailea, HI. DOI: <http://hdl.handle.net/10125/59812>.
- Wright, E. N., Hanlon, A., **Lozano, A.**, & Teitelman, A. M. (2018). The Association Between Intimate Partner Violence and 30-Year Cardiovascular Disease Risk Among Young Adult Women. *Journal of Interpersonal Violence*. DOI: 10.1177/0886260518816324.
- You, A.S., Fukunaga, B.T., Hanlon, A.L., **Lozano, A.J.**, & Goo, R.A. (2018). The Daniel K. Inouye College of Pharmacy Scripts: The Effects of Vancomycin Use and De-escalation in Patients Hospitalized with Pneumonia. *Hawai'i journal of medicine & public health: a journal of Asia Pacific Medicine & Public Health*, 77(10), 261-267. PubMed PMID: 30324005. PubMed Central PMCID: PMC6176271.
- Pellegrin, K., **Lozano, A.**, Miyamura, J., Lynn, J., Krenk, L., Jolson-Oakes, S., Ciarleglio, A., McInnis, T., Bairos, A., Gomez, L., Benitez-McCrary, M., Hanlon, A (2018). "Community-Acquired" and "Hospital-Acquired" Medication Harm Among Older Inpatients and Impact of a Medication Management Intervention. *BMJ Quality & Safety*. DOI: 10.1136/ bmjqs-2018-008418.
- Villarruel A., Varas-Diaz, N., Hanlon A., **Lozano A.**, DiNapoli, L. (2018). Use of web-based parent-adolescent health promotion among Puerto Ricans: Findings from a Randomized-controlled trial. *Nursing Research*. DOI: 10.1097/nnr.0000000000000306.
- Patterson, F., **Lozano, A.**, Huang, L., Beeson, J., Berkett, M., Hanlon, A. (2018). Toward a demographic risk profile for sedentary behaviours in middle-aged British Adults: a cross sectional population study. *BMJ Open*. DOI: 10.1136/ bmjopen-2017-019639.
- VonHoltz L.A.H., Frasso R., Golinkoff J.M., **Lozano A.J.**, Hanlon A., Dowshen N. (2018). Internet and Social Media Access Among Youth Experiencing Homelessness. *J Med Internet Res*. DOI: 10.2196/jmir.9306.
- Robson S.M., **Lozano A.J.**, Papas M., Patterson F. (2017). Food Insecurity and Cardiometabolic Risk Factors in Adolescents. *Prev Chronic Dis* 2017;14:170222. DOI: 10.5888/pcd14.170222.
- Patterson, F., Grandner, M.A., **Lozano, A.**, Satti, A., Ma, G. (2017). Transitioning from adequate to inadequate sleep duration associated with higher smoker rate and greater nicotine dependence in a population sample. *Additive Behaviors*. DOI: 10.1016/j.addbeh.2017.09.011.
- Malone, S.K., Patterson, F., **Lozano, A.**, Hanlon, A. (2017). Differences in morning–evening type and sleep duration between Black and White adults: Results from a propensity-matched UK Biobank sample, *Chronobiology International*, DOI: 10.1080/07420528.2017.1317639.
- Patterson, F., Malone, S., Grandner, M., **Lozano, A.**, Perkett, M., Hanlon, A. (2017). Interactive Effects of Sleep Duration and Morning/Evening Preference on Cardiovascular Risk Factors: A UK Biobank Study. *European Journal of Public Health*. DOI: 10.1093/eurpub/ckx029.

- Chase, J.D., **Lozano, A.**, Hanlon, A., Bowles, K.H. (2016). Identifying factors associated with mobility decline among hospitalized older adults. *Clinical Nursing Research*. DOI: 10.1177/1054773816677063.
- Patterson F, Malone SK, **Lozano A**, Grandner MA, Hanlon AL (2016). Smoking, Screen-Based Sedentary Behavior, and Diet Associated with Habitual Sleep Duration and Chronotype: Data from the UK Biobank. *Ann Behav Med*. 2016 Oct;50(5):715-726. PubMed PMID: 27056396; PubMed Central PMCID: PMC5079686.
- Malone SK, Patterson F, Lu Y, **Lozano A**, Hanlon A (2016). Ethnic differences in sleep duration and morning evening type in a population sample. *Chronobiol Int*. 2016;33(1):10-21. DOI: 10.3109/07420528.2015.1107729. PubMed PMID: 26654569; PubMed Central PMCID: PMC5079687.

RESEARCH/EDUCATIONAL CONSULTATION

- 2017 to present Biostatistics Consultant, Daniel K. Inouye College of Pharmacy, University of Hawai'i at Hilo, Hilo, Hawaii
- 2016 to 2018 Biostatistics Consultant, Department of Behavioral Health and Nutrition, University of Delaware, Newark, DE

PROFESSIONAL SERVICE

- 2020 to present Association for Clinical and Translational Science Biostatistics, Epidemiology, & Research Design Special Interest Group, Member
- 2014 to present American Statistical Association, Member
- 2012 to 2016 Mathematical Association of America, Member