
EDUCATION

- 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
- 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, VA
- 2017 to present **Director**
Beyond Inference Statistical Consulting
Meadowbrook, Pennsylvania
- 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

- 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:

- Hanlon, A.L., Pauly, M.V., Huang, L., **Lozano, A.J.**, Hirschman, K.B., McCauley, K., Press, M., Naylor, M.D. Examining the Mediating Role of Medical Complexity on the Relationship Between Social Vulnerability and Health Care Resource Use. (in progress).
- West, J.L., **Lozano, A.J.**, Kablinger, A.S., Truong, A.Y., Hanlon, A.L., Trestman, R.L. Validation of START NOW Assessment Protocol (SNAP) as an Abbreviated Alternative to BIS-11, BPAQ, and IIP-SC. *Psychology Assessment*. (in progress).
- Kim, D.W., Humayun, A., Seng, S., Lee, A., Sienko, D., Durgin, S., Papa, A., Lapoint, D., Lowenfeld, A., Palmbach, J., Pantle, N., **Lozano, A.**, Hanlon, A., Ratnasekera, A. Outcomes of Early Venous Thromboembolism Prophylaxis in Isolated Traumatic Brain Injuries. *Surgery*. (submitted).
- Seng, S., Sayegh, M., Whitney, M., Durgin, S., Sienko, D., **Lozano, A.**, Hanlon, A., Kahn, M., Martin, N., Ratnasekera, A. Limb Salvage After Fasciotomy in Penetrating Vascular Extremity Injuries. *Journal of Surgical Research*. (submitted).
- Golfenshtein, N., Hanlon, A.L., **Lozano, A.J.**, Srulovici, E., Lisanti, A.J., Cui, N., Medoff-Cooper, B. Parental Post Traumatic Stress predicts Healthcare Utilization in infants with Congenital Heart Defects: A secondary analysis of a randomized clinical trial. *Journal of Pediatric Psychology*. (under review).
- 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. Altered Toxicological Endpoints in Humans with Quaternary Ammonium Compound Exposure. *Toxicology Reports*. (under review).
- 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*. (under review).
- Merritt, W., Roberge Bouchard, D., Ford, C., **Lozano, A.**, Xu, Y., Hanlon, A., Petrelli, N., Tiesi, G. The Disclosure Slide – Informative or Obligatory, Five Years of SSO Cancer Symposium Oral Presentations. *Journal of Surgical Oncology*. (revised and resubmitted).
- Crossman, M., **Lozano, A.**, Saks, M., Stowens, J. The Relationship between Standardized Video Interview Score, Step 1 Score, and Position on Rank List. *Academic Medicine*. (revised and resubmitted).
- 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.0000000000000209.

- 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