

Krystal Tossone, Ph.D.

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Office: Begun Center for Violence Prevention and Education

Mandel School of Applied Social Sciences

Case Western Reserve University

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Cleveland, OH 44106

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Education

Doctor of Philosophy, Public Health, *Specializing in Prevention Science* 2015
Kent State University

Dissertation: "Emergency Department Providers' Treatment of Sexual Assault Victims:
Behaviors, Experiences and Perceptions"

Master of Arts, Medical Anthropology 2010

Case Western Reserve University

Master of Public Health, *Specializing in Health Promotion and Disease Prevention* 2010

Case Western Reserve University

Capstone: "Special Dietary Needs in Homeless Patients at a Community Health Care Center"

Bachelor of Science, Anthropology, *Specializations in Bioethics & African Studies* 2007

Michigan State University

Current Employment

Center-Based Statistician and Research Associate 2016 to Present

Begun Center for Violence Prevention & Education

Case Western Reserve University

- Statistical and methodological consulting for research grant proposals
- Funded project-related statistical analyses and evaluation
- Dissemination of scholarly publications and presentations
- Statistical mentoring and consulting for doctoral students, research assistants, and research associates
- Advanced secondary data analysis

Research Grant Awards

American Foundation of Suicide Prevention (PI: Jane Timmons-Mitchell) In Review

Suicide and Non-Suicide Opioid Deaths among Youth: Trends and Implications

Role: Statistician \$30,000/2 years

National Institute of Justice (NIJ-2017-12043; PI: Daniel Flannery) 2018-2021

Cuyahoga County, Ohio, Heroin and Crime Initiative: Informing the Investigation and Prosecution of Heroin-Related Overdoses

Role: Statistician \$995,000/3 years

Center for Substance Abuse Treatment (TI080147; PI: Margaret Baughman) 2017-2020

Enhancing Adult Drug Court Services, Coordination, and Treatment: Drug Court: Substance Use & Mental Health Participation Evaluation

Role: Statistician

Bureau of Justice Affairs (2016-SM-BX-0006; PI: Margaret Baughman) 2016-2021
Crisis Intervention: Common Pleas Mental Health Court Evaluation

Role: Statistician

Center for Substance Abuse Treatment (TI026717; PI: Margaret Baughman) 2016-2019
Enhancing Adult Drug Court Services, Coordination, and Treatment: Drug Court: Substance Use & Mental Health Participation Evaluation

Role: Statistician

Sentencing Commission, Supreme Court of Ohio (PI: Margaret Baughman) 2016
Evaluation of House Bill 86 and other Legislation on Sentencing Trends

Role: Co-PI

\$48,000/1 year

Center for Substance Abuse Treatment (TI026089; PI: Margaret Baughman) 2015-2018
Enhancing Adult Drug Court Services, Coordination, and Treatment: Veteran Court: Substance Use & Mental Health Participation Evaluation

Role: Statistician

Center for Substance Abuse Treatment (TI026086; PI: Margaret Baughman) 2015-2018
Enhancing Adult Drug Court Services, Coordination, and Treatment: Specialized Dockets: Substance Use & Mental Health Participation Evaluation

Role: Statistician

Center for Substance Abuse Treatment (TI025925; PI: Margaret Baughman) 2014-2017
Enhancing Adult Drug Court Services, Coordination, and Treatment: Drug Court: Substance Use & Mental Health Participation Evaluation

Role: Statistician

Center for Substance Abuse Treatment (TI025119; PI: Margaret Baughman) 2014-2017
Enhancing Adult Drug Court Services, Coordination, and Treatment: Cleveland Drug Court: Opiate Drug Court Participation Evaluation

Role: Statistician

Previous Employment

Post-Doctoral Research Scholar, Begun Center for Violence Prevention 2015-2016

Analyst and Project Manager, Kent State University and Cleveland 2012-2016

Department of Public Health PI: Sonia Alemagno, Ph.D.

- Evaluation of Cleveland Development Block Grant HIV/AIDS Initiative

Research Assistant 2014

- Ex-Offender Decision Making in Akron- NIJ Grant, PI: Eric Jefferis, Ph.D.

Project Manager and Statistician 2012-2013

- Akron Children's Hospital Psychiatric Intake Response Center Study PI: Eric Jefferis, Ph.D.

Analysis and Consulting Contracts

Statistician, Tamara Wolke, Ph.D. at University of Indianapolis 2017

- Evaluation of hospital staff knowledge regarding older patients

Statistician , Dr. Lydia Furman at University Hospitals	2017 to Present
• Breastfeeding and social support study at University Hospitals	
Statistician , Dr. Noam Labeznik at University Hospitals	2016
• Support systems among young pregnant women study at University Hospitals	
Statistician , Ruby Chen at University Hospitals	2016
• Music Therapy's Benefit for Cancer Patients at University Hospitals	
Statistician	2014-2015
○ Summa Hospital Pelvic Pain Study, PI: Dr. Bradford Fenton	
Qualitative Analyst	2014
○ Akron Immigrant Maternal Oral Health Study	

Peer-Reviewed Publications

- Lee, S., Lazeznik, N., **Tossone, K.**, Bauer, M., & Lazeznik, R. (2018). Social support among pregnant adolescent and young adults during prenatal ultrasound study in a single tertiary level hospital. *Journal of Women's Health Care*, 7.
- Fuell Wysong, E., **Tossone, K.**, & Furman, L. (2017). Expectant inner-city women: Attitudes about contraception given infant feeding choice. *The European Journal of Contraception and Reproductive Health Care*. In Press.
- Tossone, K.**, Wheeler, M., Butcher, F., & Kretschmar, J. (2017). The role of sexual abuse in trauma symptoms, delinquent and suicidal behaviors, and criminal justice outcomes among females in a juvenile justice diversion program. *Violence Against Women*, 1-21.
- Son, J., Miller, W. M., **Tossone, K.**, Butcher, F., & Kuo, K. (2016). The impact of interprofessional student-led reproductive health education on youths in juvenile detention. *Journal of Pediatric and Adolescent Gynecology*.
- Kretschmar, J. M., Butcher, F., **Tossone, K.**, & Beale, B. L. (2016). Examining the concurrent validity of the trauma symptoms checklist for children. *Research on Social Work Practice*, 1-9.
- Tossone, K.**, Butcher, F., & Kretschmar, J. (2016). Measuring the impact of psychological trauma change on recidivism among juvenile justice-involved youth. *Criminal Justice and Behavior*.
- Kretschmar, J., **Tossone, K.**, & Butcher, F. (2016). Flannery, D. Patterns of Poly-Victimization in a Sample of At-Risk Youth. In Press. *Journal of Child and Adolescent Trauma*, 1-13.
- Tossone, K.**, Kretschmar, J., Butcher, F., & Harris, L. (2015). Validating the ohio scales in youth receiving behavioral treatment in the juvenile justice system. *Journal of Child and Family Studies*, 25(4), 1218-1228.
- Fenton, B., Grey, S., **Tossone, K.**, McCarroll, M., & VonGruenigen, V. (2015). Classifying patients with chronic pelvic pain into levels of biopsychosocial dysfunction using latent class modeling of patient reported outcome measures. *Pain Research and Treatment*, 2015.
- Tossone K.**, Jefferis, E., Grey, S., Bhatta, M., Bilge-Johnson, S., & Seifert, P. (2015). Poly-traumatization and harmful behaviors in a sample of emergency department psychiatric intake response center youth. *Child Abuse and Neglect*, 40: 142-151.
- Tossone K.**, Jefferis E., Bhatta, M., Bilge-Johnson, S., & Seifert, P. (2014). Risk factors for rehospitalization and inpatient care among pediatric psychiatric intake response center patients. *Child and Adolescent Psychiatry and Mental Health*, 8(29).

Book Chapters and Presentations

K. Tossone, J. Kretschmar, F. Butcher. 2016. "The Impact of the BHJJ Initiative on Adult Criminal Behavior and Recidivism" Podium Presentation and Panel Chair. *Academy of Criminal Justice Sciences Meeting*.

F. Butcher, J. Kretschmar, **K. Tossone**. 2015. "Evaluating Community Corrections for Juveniles" Podium Presentation. *American Society of Criminology Meeting*.

Invited Speaker: "The Rest of the (Trauma) Story". 2015. *Poynter Media Ethics Workshop on Trauma*.

B. Fenton, **K. Tossone**, S. Grey, M. McCarroll, V. VonGruenigen. 2014. "Comparison of Outcome Measures in a Multidimensional Model of Chronic Pelvic Pain" Poster Presentation.

K. Tossone & E. Jefferis. 2014. "Examination of National Crime and Gang Prevention Programs using the CLEGU and LEMAS Datasets". Poster Presentation. *Society for Prevention Research 22nd Annual Meeting*

T.W. Brewer, **K. Tossone**, J. VanGeest. "Health and Social Policy: An Evidence-Based Imperative for Epidemiological Criminology" *In Epidemiological Criminology: Theory to Practice*. 2013.

K. Tossone, E. Jefferis, P. Seifert, S. Bilge-Johnson, E. Shaffer-King, M. Bhatta. 2013. "Intakes, Dispositions, and Readmission Risk Factors for Youth who Present at a Children's Psychiatric Intake Response Center". 60 Minute Symposium. *26th Annual Children's Mental Health Research and Policy Conference*.

A. Budnik, **K. Tossone**, S. Alemagno, E. Shaffer-King, W. Oglesby. 2013. "Barriers to Post-Release Healthcare". Peer Session. *6th Annual Academic and Health Policy Conference on Correctional Health*

K. Tossone, A. Budnik, L. Schuch. 2013. "Media Analysis of HIV Attributed to Sexual Assault" Poster Presentation. *Society for Prevention Research 21st Annual Meeting*.

K. Tossone, E. Jefferis, P. Seifert, S. Bilge-Johnson. 2013. "Poly-Victimization and Harmful Behaviors among Youth Presenting at a Psychiatric Intake Response Center". Podium Presentation. *Society for Prevention Research 21st Annual Meeting*.

K. Tossone, A. Budnik, L. Schuch, E. Jefferis. 2012. "Media Analysis of HIV Attributed to Sexual Assault in a Global Context". Podium Presentation. *CERC 5th Annual Health Disparities Institute*

K. Tossone & S. Olds. 2012. "Testing the Relations Between Caffeinated Alcohol Drinks and Problem Drinking". Poster Presentation. *American Public Health Association 140th Annual Meeting*.

Teaching and Mentoring

- **Statistical Mentor and Consultant** for Ph.D. Students and Candidates, Begun Center
 - Provide feedback on methodology and analysis design for dissertations
 - Lead students and colleagues in development of manuscripts for publication
 - Teach workshops to students and colleagues
- **Adjunct Assistant Instructor**, University of Indianapolis, Statistics for the Health Sciences
 - Fall 2017
 - Assisted instructor in teaching online course and grading assignments
- **Instructor**, Kent State University, Introduction to Public Health
 - Fall 2011 and Fall 2013
 - Aided in course development
 - Taught both online and in class sessions
- **Instructor**, Kent State University, Social and Behavioral Science Theories
 - Fall 2012
 - Created weekly lectures, activities, and assignments
 - In class

- **Teaching Assistant**, Kent State University, Introduction to Public Health and Introduction to Global Health
 - Fall 2011
 - Graded and assisted in course development

Technical and Software Expertise

Statistical Analysis Software (**SAS**)

Mplus Statistical Software

R Statistical Software

Statistical Package for the Social Sciences (**SPSS**)

Dedoose Mixed Methods Software

Continuing Education

Advanced Structural Equation Modeling Workshop

August 2015

Machine Learning of Psychiatric Data Roundtable Session at the Joint Statistical Meetings

August 2016

Bayesian Analysis Workshop

October 2016

Propensity Score Modeling Workshop at the Joint Statistical Meetings

August 2017

Invited Peer Reviewer

Journal of Child Abuse and Neglect

Criminal Justice and Behavior

BMC Psychiatry

Member of the American Statistical Association since 2015