

CURRICULUM VITAE

Elena Elisa Graetz, PhD

Version Date: 2/7/2025

Contact Information:

Address P.O. Box 208062
New Haven, CT 06520
Phone: 1 (312) 834-9646
Email: elena.graetz@yale.edu

School: Yale School of Medicine

Education:

10/2012 - 06/2014 ND, Freie Universitaet Berlin, Mathematics, Berlin, BE, Germany
08/2014 - 08/2016 BSc, University of Illinois at Chicago, Mathematics, Chicago, IL
08/2016 - 08/2022 PhD, University of Illinois at Chicago, Statistics, Chicago, IL

Career/Academic Appointments:

08/2014 - 05/2016 Teaching Aid, Department of Mathematics, Statistics and Computer Science,
University of Illinois at Chicago, Chicago, IL
08/2016 - 05/2022 Teaching Assistant, Department of Mathematics, Statistics and Computer Science,
University of Illinois at Chicago, Chicago, IL
01/2021 - 05/2021 Research Assistant, Department of Mathematics, Statistics and Computer Science,
University of Illinois at Chicago, Chicago, IL
07/2022 - Present Biostatistical Analyst, Department of Surgery, Yale School of Medicine, New
Haven, CT

Professional Honors & Recognition:

Other

2015 Cathy Hill Scholarship Award, University of Illinois at Chicago
2017 Teaching Award, University of Illinois at Chicago
2020 Statistical Consulting Award, University Of Illinois at Chicago

Peer-Reviewed Presentations Given at Meetings Not Affiliated With Yale:

International/National

1. **Graetz EE** . Wild Bootstrap Confidence Bands of Free-knot Spline for Generalized Regression Models. Joint Statistical Meetings, Seattle, WA, August 2021. (Oral Presentation)

2. **Graetz EE** . Characterization of Trends in Preoperative Hemoglobin A1c Testing Prior to Metabolic and Bariatric Surgery. ACS Quality & Safety, Denver, CO, July 2024. (Oral Presentation)

Bibliography:

Peer-Reviewed Original Research

1. Smalheiser NR, Graetz EE, Yu Z, Wang J. Effect size, sample size and power of forced swim test assays in mice: Guidelines for investigators to optimize reproducibility. PLoS One 2021, 16: e0243668. [PMID: 33626103](#) , DOI: 10.1371/journal.pone.0243668.
2. Uchechi Mitchell, Elena Graetz, Jing Wang, Race Differences in Trajectories of Hopelessness Among U.S. Older Adults: Do Social Conditions Matter?, Innovation in Aging, Volume 5, Issue Supplement_1, 2021, Page 256,
3. Ying L, Chao G, Canner J, Graetz E, Ghiassi S, Schwartz J, Zolfaghari E, Schneider E, Gibbs K. The Degree of Preoperative Hypoalbuminemia Is Associated with Risk of Postoperative Complications in Metabolic and Bariatric Surgery Patients. Obesity Surgery 2023, 34: 51-70. [PMID: 37994997](#) , [DOI: 10.1007/s11695-023-06944-1](#) .
4. Maassel N, Graetz E, Schneider E, Asnes A, Solomon D, Leventhal J. Hospital Admissions for Abusive Head Trauma Before and During the COVID-19 Pandemic. JAMA Pediatrics 2023, 177: 1342-1347. [PMID: 37870839](#) , [PMCID: PMC10594171](#) , [DOI: 10.1001/jamapediatrics.2023.4519](#) .
5. Hamid S, Graetz E, Schneider E, Gibbs K. A Cross-Sectional Analysis of Pediatric Necrotizing Soft Tissue Infection Cases and Racial Disparities From the 2016 to 2020 National Inpatient Sample. Journal Of Surgical Research 2024, 297: 136-143. [PMID: 38518580](#) , [DOI: 10.1016/j.jss.2024.02.009](#) .
6. Hornick M, Chao G, Ying L, Nadzam G, Duffy A, Ghiassi S, Graetz E, Gibbs K, Morton J. Weight Nadir and Long-Term Weight Outcomes After Laparoscopic Sleeve Gastrectomy in a Diverse Cohort of Adolescents and Young Adults. Obesity Surgery 2024, 34: 2965-2973. [PMID: 38935262](#) , [DOI: 10.1007/s11695-024-07374-3](#) .
7. Kim L, Moore M, Schneider E, Canner J, Ayyala H, Chen J, Anant P, Graetz E, Lynch M, Zanieski G, Gillego A, Valero M, Proussaloglou E, Berger E, Golshan M, Greenup R, Park T. National Patterns of Hospital Admission Versus Home Recovery Following Mastectomy for Breast Cancer. Annals Of Surgical Oncology 2024, 31: 9088-9099. [PMID: 39322830](#) , [DOI: 10.1245/s10434-024-16107-w](#) .
8. Hamid S, Graetz E, Bakkila B, Chao G, Zolfaghari E, Schultz K, Chetty A, Trabilisy M, Schneider E, Gibbs K. Analysis of Online Crowdfunding Among Patients Pursuing Metabolic and Bariatric Surgery in the United States. Obesity Surgery 2024, 1-11. [PMID: 39633092](#) , [DOI: 10.1007/s11695-024-07605-7](#) .
9. Hamid S, Graetz E, Esdaille C, Schneider E, Gibbs K. Same Day Discharge after Metabolic and Bariatric Surgery in Adults 65 Years and Older: An Analysis of the 2015 to 2022 MBSAQIP. Obesity Surgery 2024, 1-8. [PMID: 39636520](#) , [DOI: 10.1007/s11695-024-07611-9](#) .
10. Hellmann ZJ, Graetz E, Rehman S, Moore M, Schneider EB, Christison-Lagay ER, Solomon DG. Local Infrastructure and Economy Predicts Traffic Related Fatalities in Children. J Pediatr Surg 2024, 162109. [PMID: 39753412](#) , DOI: 10.1016/j.jpedsurg.2024.162109.
11. Hamid SA, Graetz E, Zolfaghari EJ, Schultz KS, Schneider EB, Gibbs KE. Characterization of trends in preoperative hemoglobin A1c testing prior to metabolic and bariatric surgery: a retrospective,

- observational study. *Perioper Med (Lond)* 2025, 14: 3. [PMID: 39789653](#) , DOI: 10.1186/s13741-024-00483-8.
12. Zhao KL, Kammien AJ, Graetz E, Moore MS, Evans BG, Schneider EB, Ayyala HS. Simultaneous Symmetrizing Surgery on the Contralateral Breast in Unilateral Autologous Breast Reconstruction is Cost-Effective. *J Reconstr Microsurg* 2025 [PMID: 39821138](#) , DOI: 10.1055/a-2517-0803.