

# Anne A. Eaton

## Curriculum Vitae

Division of Biostatistics  
School of Public Health  
University of Minnesota  
420 Delaware St SE  
Minneapolis, MN 55455  
☎ 651-644-6670  
✉ [eato0055@umn.edu](mailto:eato0055@umn.edu)

### Education

- 2020 **PhD - Biostatistics**, *University of Minnesota*, Minneapolis, MN.  
Advisor: Xiangha Luo, PhD  
Dissertation topic: Non-parametric estimation of probability in disease states, restricted mean time in disease states, and mean cumulative marker process
- 2010 **Master of Science - Biostatistics**, *University of Minnesota*, Minneapolis, MN.  
Advisor: Patricia Grambsch, PhD  
Project topic: Comparing methods to correct for lead-time bias in Cox regression
- 2008 **Bachelor of Arts - Mathematics**, *Grinnell College*, Grinnell, IA.

### Employment

- 2020–Present **Assistant Professor**, *University of Minnesota*, Minneapolis, MN.  
Division of Biostatistics
- 2020–Present **Member, Masonic Cancer Center**, *University of Minnesota*, Minneapolis, MN.
- 2017–2019 **Adjunct Instructor**, *University of St Thomas*, St Paul, MN.  
Graduate Programs in Software  
Course taught: Foundations of Data Analysis (3 credits, approx 30 students)
- 2018 **Summer Intern in Biostatistics**, *Mayo Clinic*, Rochester, MN.  
Division of Biomedical Statistics and Informatics, Department of Health Sciences Research  
Advisor: Jennifer Le-Rademacher, PhD  
Project: Designing clinical trials with restricted mean survival time endpoint
- 2017 **Graduate Teaching Assistant**, *Summer Institute in Biostatistics (SIBS)*, *University of Minnesota*, Minneapolis, MN.
- 2015–2016 **Research Biostatistician II**, *Memorial Sloan Kettering Cancer Center*, New York, NY.  
Department of Epidemiology and Biostatistics
- 2012–2015 **Research Biostatistician**, *Memorial Sloan Kettering Cancer Center*, New York, NY.  
Department of Epidemiology and Biostatistics
- 2010–2012 **Assistant Research Biostatistician**, *Memorial Sloan Kettering Cancer Center*, New York, NY.  
Department of Epidemiology and Biostatistics
- 2008–2010 **Graduate Research Assistant**, *University of Minnesota*, Minneapolis, MN.  
Coordinating Centers for Biometric Research

## Training

- 2019 **Teaching Assistant Professional Development Program**, *Center for Educational Innovation, University of Minnesota*, Minneapolis, MN.  
Participated in six teaching-related workshops and wrote a reflective essay
- 2017 **Big Data Coursework for Computational Medicine (BDC4CM)**, *Weill Cornell Medical College*, New York, NY.  
Week-long workshop by Weill Cornell Medicine, Johns Hopkins Medicine, and the University of Minnesota, funded by NIH
- 2006 **Summer Institute for Training in Biostatistics (SIBS)**, *University of Wisconsin*, Madison, WI.

## Methodologic Publications

- (Under review) **Eaton, A. A.\*** and Zabor, E. C.\* Analysis of Composite Endpoints with Component-Wise Censoring in the Presence of Differential Visit Schedules.
- (In preparation) **Eaton, A. A.**, Sun, Y. and Luo, X. Inverse Rate Weighted Estimators for the Cumulative Mean Function Subject to a Terminal Event Under a Dependent Visit Process.
- Eaton, A. A.**, Sun, Y., Neaton, J., and Luo, X. (2021). Non-Parametric Estimation in an Illness-Death Model with Component-Wise Censoring. *Biometrics*, Epub ahead of print
- Eaton, A. A.**, Therneau, T., and Le-Rademacher, J. (2020). Designing Clinical Trials with (Restricted) Mean Survival Time Endpoint – Practical Considerations. *Clin Trials*, 17(3):285–294
- Kotalik, A., **Eaton, A. A.**, Lian, Q., Serrano, C., Connett, J., and Neaton, J. D. (2019). A Win Ratio Approach to the Re-Analysis of Multiple Risk Factor Intervention Trial. *Clin Trials*, 16(6):626–634

\* Equally contributing authors

## Collaborative Publications

- Yu, A. F., Ho, A. Y., Braunstein, L. Z., Thor, M. E., Lee Chuy, K., **Eaton, A. A.**, Mara, E., Cahlon, O., Dang, C. T., Oeffinger, K. C., Steingart, R. M., and Liu, J. E. (2019). Assessment of Early Radiation-Induced Changes in Left Ventricular Function by Myocardial Strain Imaging After Breast Radiation Therapy. *J Am Soc Echocardiogr*, 32(4):521–528
- Smith, J. J., Strombom, P., Chow, O. S., Roxburgh, C. S., Lynn, P., **Eaton, A. A.**, Widmar, M., Ganesh, K., Yaeger, R., Cercek, A., Weiser, M. R., Nash, G. M., Guillem, J. G., Temple, L. K. F., Chalasani, S. B., Fuqua, J. L., Petkovska, I., Wu, A. J., Reyngold, M., Vakiani, E., Shia, J., Segal, N. H., Smith, J. D., Crane, C., Gollub, M. J., Gonen, M., Saltz, L. B., Garcia-Aguilar, J., and Paty, P. B. (2019). Assessment of a Watch-and-Wait Strategy for Rectal Cancer in Patients With a Complete Response After Neoadjuvant Therapy. *JAMA Oncol*, 5(4)
- Al Efishat, M., Attiyeh, M. A., **Eaton, A. A.**, Gonen, M., Covey, A. M., D'Angelica, M. I., DeMatteo, R. P., Kingham, T. P., Balachandran, V., Jarnagin, W. R., Gerdes, H., Allen, P. J., and Schattner, M. A. (2019). Endoscopic Versus Percutaneous Drainage of Post-Operative Peripancreatic Fluid Collections Following Pancreatic Resection. *HPB (Oxford)*, 21(4):434–443
- Cronin, P. A., Romanoff, A., Zabor, E. C., Stempel, M., **Eaton, A. A.**, Smyth, L. M., Ho, A. Y., Morrow, M., El-Tamer, M., and Gemignani, M. L. (2018). Influence of Age on the Clinical Outcome of Breast Cancer for Men and the Development of Second Primary Cancers. *Ann. Surg. Oncol.*, 25(13):3858–3866
- Al Efishat, M. A., Attiyeh, M. A., **Eaton, A. A.**, Gonen, M., Prosser, D., Lokshin, A. E., Castillo, C. F., Lillemoe, K. D., Ferrone, C. R., Pergolini, I., Mino-Kenudson, M., Rezaee, N., Dal Molin, M., Weiss, M. J., Cameron, J. L., Hruban, R. H., D'Angelica, M. I., Kingham, T. P., DeMatteo, R. P., Jarnagin, W. R., Wolfgang, C. L., and Allen, P. J. (2018b). Multi-Institutional Validation Study of Pancreatic Cyst Fluid Protein Analysis for Prediction of High-risk Intraductal Papillary Mucinous Neoplasms of the

- Pancreas. *Ann. Surg.*, 268(2):340–347
6. Lutsey, P. L., Chen, L. Y., **Eaton, A. A.**, Jaeb, M., Rudser, K. D., Neaton, J. D., and Alonso, A. (2018). A Pilot Randomized Trial of Oral Magnesium Supplementation on Supraventricular Arrhythmias. *Nutrients*, 10(7)
  7. Al Efishat, M., Attiyeh, M. A., **Eaton, A. A.**, Gonen, M., Basturk, O., Klimstra, D., D'Angelica, M. I., DeMatteo, R. P., Kingham, T. P., Balachandran, V., Jarnagin, W. R., and Allen, P. J. (2018a). Progression Patterns in the Remnant Pancreas after Resection of Non-Invasive or Micro-Invasive Intraductal Papillary Mucinous Neoplasms (IPMN). *Ann. Surg. Oncol.*, 25(6):1752–1759
  8. Yan, S. Q., Seyboth, B., Kobos, R., **Eaton, A. A.**, Seo, S. K., and Cohen, N. (2018). Voriconazole Dosing in Children Younger Than 3 Years Undergoing Cancer Chemotherapy or Hematopoietic Stem Cell Transplantation. *J Pediatric Infect Dis Soc*, 7(2):169–171
  9. Attiyeh, M. A., Fernandez-Del Castillo, C., Al Efishat, M., **Eaton, A. A.**, Gonen, M., Batts, R., Pergolini, I., Rezaee, N., Lillemoe, K. D., Ferrone, C. R., Mino-Kenudson, M., Weiss, M. J., Cameron, J. L., Hruban, R. H., D'Angelica, M. I., DeMatteo, R. P., Kingham, T. P., Jarnagin, W. R., Wolfgang, C. L., and Allen, P. J. (2018). Development and Validation of a Multi-institutional Preoperative Nomogram for Predicting Grade of Dysplasia in Intraductal Papillary Mucinous Neoplasms (IPMNs) of the Pancreas: A Report from The Pancreatic Surgery Consortium. *Ann. Surg.*, 267(1):157–163
  10. Weber, J. J., Jochelson, M. S., **Eaton, A. A.**, Zabor, E. C., Barrio, A. V., Gemignani, M. L., Pilewskie, M., Van Zee, K. J., Morrow, M., and El-Tamer, M. (2017). MRI and Prediction of Pathologic Complete Response in the Breast and Axilla after Neoadjuvant Chemotherapy for Breast Cancer. *J. Am. Coll. Surg.*, 225(6):740–746
  11. Yu, A. F., Singh, J. C., Wang, R., Liu, J. E., **Eaton, A. A.**, Oeffinger, K. C., Steingart, R. M., Hudis, C. A., and Dang, C. T. (2017). Cardiac Safety of Dual Anti-HER2 Therapy in the Neoadjuvant Setting for Treatment of HER2-Positive Breast Cancer. *Oncologist*, 22(6):642–647
  12. Baxi, S. S., Kurtzman, R., **Eaton, A. A.**, Dewey, E., Bickford, C., Fish, S., Wartofsky, L., and Michael Tuttle, R. (2017). Pilot Study of a Web-based Decision Tool on Post-operative Use of Radioactive Iodine. *Eur Endocrinol*, 13(1):26–29
  13. Barrio, A. V., Mamtani, A., **Eaton, A. A.**, Brennan, S., Stempel, M., and Morrow, M. (2017). Is Routine Axillary Imaging Necessary in Clinically Node-Negative Patients Undergoing Neoadjuvant Chemotherapy? *Ann. Surg. Oncol.*, 24(3):645–651
  14. Pak, L. M., Coit, D. G., **Eaton, A. A.**, Allen, P. J., D'Angelica, M. I., DeMatteo, R. P., Jarnagin, W. R., Strong, V. E., and Kingham, T. P. (2017). Percutaneous Peritoneal Lavage for the Rapid Staging of Gastric and Pancreatic Cancer. *Ann. Surg. Oncol.*, 24(5):1174–1179
  15. Radosa, J. C., **Eaton, A. A.**, Stempel, M., Khander, A., Liedtke, C., Solomayer, E. F., Karsten, M., Pilewskie, M., Morrow, M., and King, T. A. (2017). Evaluation of Local and Distant Recurrence Patterns in Patients with Triple-Negative Breast Cancer According to Age. *Ann. Surg. Oncol.*, 24(3):698–704
  16. **Eaton, A. A.**, Pesce, C. E., Murphy, J. O., Stempel, M. M., Patil, S. M., Brogi, E., Hudis, C. A., and El-Tamer, M. (2017c). Estimating the OncotypeDX Score: Validation of an Inexpensive Estimation Tool. *Breast Cancer Res. Treat.*, 161(3):435–441
  17. **Eaton, A. A.**, Baser, R. E., Seidel, B., Stabile, C., Canty, J. P., Goldfrank, D. J., and Carter, J. (2017a). Validation of Clinical Tools for Vaginal and Vulvar Symptom Assessment in Cancer Patients and Survivors. *J Sex Med*, 14(1):144–151
  18. **Eaton, A. A.**, Karanicolas, P., Johnson, C., Bottomley, A., Allen, P., and Gonen, M. (2017b). Psychometric Validation of the EORTC QLQ-PAN26 Pancreatic Cancer Module for Assessing Health Related Quality of Life after Pancreatic Resection. *JOP*, 18(1):19–25
  19. Barrio, A. V., Mamtani, A., Edelweiss, M., **Eaton, A. A.**, Stempel, M., Murray, M. P., and Morrow, M. (2016). How Often Is Treatment Effect Identified in Axillary Nodes with a Pathologic Complete Response After Neoadjuvant Chemotherapy? *Ann. Surg. Oncol.*, 23(11):3475–3480
  20. Rosenberger, L. H., Mamtani, A., Fuzesi, S., Stempel, M., **Eaton, A. A.**, Morrow, M., and Gemignani,

- M. L. (2016). Early Adoption of the SSO-ASTRO Consensus Guidelines on Margins for Breast-Conserving Surgery with Whole-Breast Irradiation in Stage I and II Invasive Breast Cancer: Initial Experience from Memorial Sloan Kettering Cancer Center. *Ann. Surg. Oncol.*, 23(10):3239–3246
21. McCartan, D., Stempel, M., **Eaton, A. A.**, Morrow, M., and Pilewskie, M. (2016). Impact of Body Mass Index on Clinical Axillary Nodal Assessment in Breast Cancer Patients. *Ann. Surg. Oncol.*, 23(10):3324–3329
  22. Pilewskie, M., Stempel, M., Rosenfeld, H., **Eaton, A. A.**, Van Zee, K. J., and Morrow, M. (2016c). Do LORIS Trial Eligibility Criteria Identify a Ductal Carcinoma In Situ Patient Population at Low Risk of Upgrade to Invasive Carcinoma? *Ann. Surg. Oncol.*, 23(11):3487–3493
  23. Matsen, C., Villegas, K., **Eaton, A. A.**, Stempel, M., Manning, A., Cody, H. S., Morrow, M., and Heerdt, A. (2016a). Late Axillary Recurrence After Negative Sentinel Lymph Node Biopsy is Uncommon. *Ann. Surg. Oncol.*, 23(8):2456–2461
  24. Pilewskie, M., Karsten, M., Radosa, J., **Eaton, A. A.**, and King, T. A. (2016a). Is Sentinel Lymph Node Biopsy Indicated at Completion Mastectomy for Ductal Carcinoma In Situ? *Ann. Surg. Oncol.*, 23(7):2229–2234
  25. **Eaton, A. A.**, Gonen, M., Karanicolas, P., Jarnagin, W. R., D'Angelica, M. I., DeMatteo, R., Kingham, T. P., and Allen, P. J. (2016a). Health-Related Quality of Life After Pancreatectomy: Results From a Randomized Controlled Trial. *Ann. Surg. Oncol.*, 23(7):2137–2145
  26. Goldfarb, S. B., Kamer, S. A., Oppong, B. A., **Eaton, A. A.**, Patil, S., Junqueira, M. J., Olcese, C., Kelvin, J. F., and Gemignani, M. L. (2016). Fertility Preservation for the Young Breast Cancer Patient. *Ann. Surg. Oncol.*, 23(5):1530–1536
  27. Drilon, A., **Eaton, A. A.**, Schindler, K., Gounder, M. M., Spriggs, D. R., Harris, P., Ivy, S. P., Iasonos, A., Lacouture, M. E., and Hyman, D. M. (2016). Beyond the Dose-Limiting Toxicity Period: Dermatologic Adverse Events of Patients on Phase 1 Trials of the Cancer Therapeutics Evaluation Program. *Cancer*, 122(8):1228–1237
  28. **Eaton, A. A.**, Sima, C. S., and Panageas, K. S. (2016c). Prevalence and Safety of Off-Label Use of Chemotherapeutic Agents in Older Patients With Breast Cancer: Estimates From SEER-Medicare Data. *J Natl Compr Canc Netw*, 14(1):57–65
  29. Ugras, S., Matsen, C., **Eaton, A. A.**, Stempel, M., Morrow, M., and Cody, H. S. (2016). Reoperative Sentinel Lymph Node Biopsy is Feasible for Locally Recurrent Breast Cancer, But is it Worthwhile? *Ann. Surg. Oncol.*, 23(3):744–748
  30. Pilewskie, M., Mautner, S. K., Stempel, M., **Eaton, A. A.**, and Morrow, M. (2016b). Does a Positive Axillary Lymph Node Needle Biopsy Result Predict the Need for an Axillary Lymph Node Dissection in Clinically Node-Negative Breast Cancer Patients in the ACOSOG Z0011 Era? *Ann. Surg. Oncol.*, 23(4):1123–1128
  31. **Eaton, A. A.**, Iasonos, A., Gounder, M. M., Pamer, E. G., Drilon, A., Vulih, D., Smith, G. L., Ivy, S. P., Spriggs, D. R., and Hyman, D. M. (2016b). Toxicity Attribution in Phase I Trials: Evaluating the Effect of Dose on the Frequency of Related and Unrelated Toxicities. *Clin. Cancer Res.*, 22(3):553–559
  32. Matsen, C. B., Mehrara, B., **Eaton, A. A.**, Capko, D., Berg, A., Stempel, M., Van Zee, K. J., Pusic, A., King, T. A., Cody, H. S., Pilewskie, M., Cordeiro, P., Sclafani, L., Plitas, G., Gemignani, M. L., Disa, J., El-Tamer, M., and Morrow, M. (2016b). Skin Flap Necrosis After Mastectomy With Reconstruction: A Prospective Study. *Ann. Surg. Oncol.*, 23(1):257–264
  33. Subhedar, P., Stempel, M., **Eaton, A. A.**, Morrow, M., and Gemignani, M. L. (2015). Do the ACOSOG Z0011 Criteria Affect the Number of Sentinel Lymph Nodes Removed? *Ann. Surg. Oncol.*, 22 Suppl 3:S470–475
  34. Barrio, A. V., **Eaton, A. A.**, and Frazier, T. G. (2015). A Prospective Validation Study of Bioimpedance with Volume Displacement in Early-Stage Breast Cancer Patients at Risk for Lymphedema. *Ann. Surg. Oncol.*, 22 Suppl 3:S370–375
  35. Pilewskie, M., Hirsch, A., **Eaton, A. A.**, Stempel, M., and Gemignani, M. L. (2015). Breast Cancer in

- the Elderly: Is MRI Helpful? *Breast J*, 21(6):651–657
36. Yu, A. F., Yadav, N. U., **Eaton, A. A.**, Lung, B. Y., Thaler, H. T., Liu, J. E., Hudis, C. A., Dang, C. T., and Steingart, R. M. (2015b). Continuous Trastuzumab Therapy in Breast Cancer Patients With Asymptomatic Left Ventricular Dysfunction. *Oncologist*, 20(10):1105–1110
  37. Hyman, D. M.\*, **Eaton, A. A.\***, Gounder, M. M., Pamer, E. G., Pettiford, J., Carvajal, R. D., Ivy, S. P., Iasonos, A., and Spriggs, D. R. (2015). Predictors of Early Treatment Discontinuation in Patients Enrolled on Phase I oncology Trials. *Oncotarget*, 6(22):19316–19327
  38. Manning, A. T., **Eaton, A. A.**, Azu, M., Sampson, M., Patil, S., Godfrey, D., Beesen, A. A., Liberman, L., and Gemignani, M. L. (2015). Breast Cancer Screening at the Breast Examination Center of Harlem. *Ann. Surg. Oncol.*, 22(6):2026–2033
  39. Yu, A. F., Yadav, N. U., Lung, B. Y., **Eaton, A. A.**, Thaler, H. T., Hudis, C. A., Dang, C. T., and Steingart, R. M. (2015a). Trastuzumab Interruption and Treatment-Induced Cardiotoxicity in Early HER2-Positive Breast Cancer. *Breast Cancer Res. Treat.*, 149(2):489–495
  40. Matsen, C. B., Hirsch, A., **Eaton, A. A.**, Stempel, M., Heerdt, A., Van Zee, K. J., Cody, H. S., Morrow, M., and Plitas, G. (2014). Extent of Microinvasion in Ductal Carcinoma In Situ is Not Associated with Sentinel Lymph Node Metastases. *Ann. Surg. Oncol.*, 21(10):3330–3335
  41. Lee, S. Y., Konstantinidis, I. T., **Eaton, A. A.**, Gonen, M., Kingham, T. P., D'Angelica, M. I., Allen, P. J., Fong, Y., DeMatteo, R. P., and Jarnagin, W. R. (2014). Predicting Recurrence Patterns After Resection of Hepatocellular Cancer. *HPB (Oxford)*, 16(10):943–953
  42. Gooch, J., King, T. A., **Eaton, A. A.**, Dengel, L., Stempel, M., Corben, A. D., and Morrow, M. (2014). The Extent of Extracapsular Extension May Influence the Need for Axillary Lymph Node Dissection in Patients with T1-T2 Breast Cancer. *Ann. Surg. Oncol.*, 21(9):2897–2903
  43. Oppong, B. A., Pharmed, L. A., Oskar, S., **Eaton, A. A.**, Stempel, M., Patil, S., and King, T. A. (2014). The Effect of Metformin on Breast Cancer Outcomes in Patients with Type 2 Diabetes. *Cancer Med*, 3(4):1025–1034
  44. Damast, S., Alektiar, K., **Eaton, A. A.**, Gerber, N. K., Goldfarb, S., Patil, S., Jia, R., Leitao, M., Carter, J., and Basch, E. (2014). Comparative Patient-Centered Outcomes (Health State and Adverse Sexual Symptoms) Between Adjuvant Brachytherapy Versus No Adjuvant Brachytherapy in Early Stage Endometrial Cancer. *Ann. Surg. Oncol.*, 21(8):2740–2754
  45. Pilewskie, M., Olcese, C., **Eaton, A. A.**, Patil, S., Morris, E., Morrow, M., and Van Zee, K. J. (2014b). Perioperative Breast MRI is Not Associated with Lower Locoregional Recurrence Rates in DCIS Patients Treated with or Without Radiation. *Ann. Surg. Oncol.*, 21(5):1552–1560
  46. Pilewskie, M., Ho, A., Orell, E., Stempel, M., Chen, Y., **Eaton, A. A.**, Patil, S., and Morrow, M. (2014a). Effect of Margin Width on Local Recurrence in Triple-Negative Breast Cancer Patients Treated with Breast-Conserving Therapy. *Ann. Surg. Oncol.*, 21(4):1209–1214
  47. Hyman, D. M., **Eaton, A. A.**, Gounder, M. M., Smith, G. L., Pamer, E. G., Hensley, M. L., Spriggs, D. R., Ivy, P., and Iasonos, A. (2014b). Nomogram to Predict Cycle-One Serious Drug-Related Toxicity in Phase I Oncology Trials. *J. Clin. Oncol.*, 32(6):519–526
  48. Murphy, J. O., Moo, T. A., King, T. A., Van Zee, K. J., Villegas, K. A., Stempel, M., **Eaton, A. A.**, St Germain, J. M., Morris, E., and Morrow, M. (2013). Radioactive Seed Localization Compared to Wire Localization in Breast-Conserving Surgery: Initial 6-month Experience. *Ann. Surg. Oncol.*, 20(13):4121–4127
  49. Ulaner, G. A., **Eaton, A. A.**, Morris, P. G., Lilienstein, J., Jhaveri, K., Patil, S., Fazio, M., Larson, S., Hudis, C. A., and Jochelson, M. S. (2013). Prognostic Value of Quantitative Fluorodeoxyglucose Measurements in Newly Diagnosed Metastatic Breast Cancer. *Cancer Med*, 2(5):725–733
  50. Cavell, L. K., Allen, P. J., Vinoya, C., **Eaton, A. A.**, Gonen, M., Gerdes, H., Mendelsohn, R. B., D'Angelica, M. I., Kingham, T. P., Fong, Y., Dematteo, R., Jarnagin, W. R., Kurtz, R. C., and Schattner, M. A. (2013). Biliary Self-Expandable Metal Stents Do Not Adversely Affect Pancreaticoduodenectomy. *Am. J. Gastroenterol.*, 108(7):1168–1173

51. D'Amico, F. E., Allen, P. J., **Eaton, A. A.**, DeMatteo, R. P., Fong, Y., Kingham, T. P., Blumgart, L. H., Jarnagin, W. R., and D'Angelica, M. I. (2013). Vascular Inflow Control During Hemi-Hepatectomy: a Comparison Between Intrahepatic Pedicle Ligation and Extrahepatic Vascular Ligation. *HPB (Oxford)*, 15(6):449–456
52. Choi, D. X., **Eaton, A. A.**, Olcese, C., Patil, S., Morrow, M., and Van Zee, K. J. (2013). Blurry Boundaries: Do Epithelial Borderline Lesions of the Breast and Ductal Carcinoma In Situ Have Similar Rates of Subsequent Invasive Cancer? *Ann. Surg. Oncol.*, 20(4):1302–1310
53. Steinhagen, E., Moore, H. G., Lee-Kong, S. A., Shia, J., **Eaton, A. A.**, Markowitz, A. J., Russo, P., and Guillem, J. G. (2013). Patients with Colorectal and Renal Cell Carcinoma Diagnoses Appear to be at Risk for Additional Malignancies. *Clin Colorectal Cancer*, 12(1):23–27
54. Kapoor, N. S., **Eaton, A. A.**, King, T. A., Patil, S., Stempel, M., Morris, E., Brogi, E., and Morrow, M. (2013). Should Breast Density Influence Patient Selection for Breast-Conserving Surgery? *Ann. Surg. Oncol.*, 20(2):600–606
55. Milgrom, S., Cody, H., Tan, L., Morrow, M., Pesce, C., Setton, J., Rogers, K., Arnold, B., **Eaton, A. A.**, Catalano, J., McCormick, B., Powell, S., and Ho, A. (2012). Characteristics and Outcomes of Sentinel Node-Positive Breast Cancer Patients After Total Mastectomy Without Axillary-Specific Treatment. *Ann. Surg. Oncol.*, 19(12):3762–3770
56. Morris, P. G., Ulaner, G. A., **Eaton, A. A.**, Fazio, M., Jhaveri, K., Patil, S., Evangelista, L., Park, J. Y., Serna-Tamayo, C., Howard, J., Larson, S., Hudis, C. A., McArthur, H. L., and Jochelson, M. S. (2012). Standardized Uptake Value by Positron Emission Tomography/Computed Tomography as a Prognostic Variable in Metastatic Breast Cancer. *Cancer*, 118(22):5454–5462
57. Lim, R., **Eaton, A. A.**, Lee, N. Y., Setton, J., Ohri, N., Rao, S., Wong, R., Fury, M., and Schoder, H. (2012). 18F-FDG PET/CT Metabolic Tumor Volume and Total Lesion Glycolysis Predict Outcome in Oropharyngeal Squamous Cell Carcinoma. *J. Nucl. Med.*, 53(10):1506–1513
58. Damast, S., Alektiar, K. M., Goldfarb, S., **Eaton, A. A.**, Patil, S., Mosenkis, J., Bennett, A., Atkinson, T., Jewell, E., Leitao, M., Barakat, R., Carter, J., and Basch, E. (2012). Sexual Functioning Among Endometrial Cancer Patients Treated with Adjuvant High-Dose-Rate Intra-Vaginal Radiation Therapy. *Int. J. Radiat. Oncol. Biol. Phys.*, 84(2):e187–193
59. Wen, Y. H., Ho, A., Patil, S., Akram, M., Catalano, J., **Eaton, A. A.**, Norton, L., Benezra, R., and Brogi, E. (2012). Id4 Protein is Highly Expressed in Triple-Negative Breast Carcinomas: Possible Implications for BRCA1 Downregulation. *Breast Cancer Res. Treat.*, 135(1):93–102
60. Lifson, A. R., Krantz, E. M., Grambsch, P. L., Macalino, G. E., Crum-Cianflone, N. F., Ganesan, A., Okulicz, J. F., **Eaton, A. A.**, Powers, J. H., Eberly, L. E., and Agan, B. K. (2012). Clinical, Demographic and Laboratory Parameters at HAART Initiation Associated with Decreased Post-HAART Survival in a U.S. Military Prospective HIV Cohort. *AIDS Res Ther*, 9(1):4

\* Equally contributing authors

### Other Peer-Reviewed Publications

1. Hyman, D. M., **Eaton, A. A.**, Ivy, S. P., Spriggs, D. R., and Iasonos, A. (2016). Measuring Toxicity in Phase I Clinical Trials—Letter. *Clin. Cancer Res.*, 22(7):1828
2. Hyman, D. M., **Eaton, A. A.**, Gounder, M. M., Ivy, S. P., Iasonos, A., and Spriggs, D. R. (2014a). Reply to M. Voskoboynik et al. *J. Clin. Oncol.*, 32(28):3199–3200

### R Packages

- RMSTdesign: sample size and power calculation for the difference in restricted mean survival time, <https://anneae.github.io/RMSTdesign/>
- cwcens: non-parametric estimation for probability in state and restricted mean time in state with component-wise censored data, <https://github.com/anneae/cwcens>

## Presentations

### Invited

- "Non-parametric estimation in an illness-death model with component-wise censoring" Invited online presentation at University of California San Francisco Biostatistics & Bioinformatics Seminar, San Francisco, CA, July 21, 2021.
- "Non-parametric estimation in an illness-death model with component-wise censoring" Invited online presentation at Boston University Clinical Trials Working Group, Boston, MA, April 28, 2020.
- "Non-parametric estimation in an illness-death model with component-wise censoring" Invited presentation at Mayo Clinic, Rochester, MN, February 24, 2020.
- "Non-parametric estimation in an illness-death model with component-wise censoring" Invited presentation at the University of Minnesota School of Public Health Division of Biostatistics, Minneapolis, MN, February 3, 2020.
- "Non-parametric estimation of mean time in disease states: methods for component-wise censored data and trial design" Invited presentation at Bucknell University Department of Mathematics, Lewisburg, PA, November 13, 2019.
- "Designing clinical trials with restricted mean survival time endpoint: practical considerations." Invited presentation at the CCS Special Topics Seminar, Mayo Clinic, Rochester, MN, March 21, 2019.

### Contributed

- "Dealing with component-wise censoring head on: what can be gained?" Oral online presentation at the Eastern North American Region of the International Biometric Society, March 15, 2021.
- "Non-parametric estimation in an illness-death model with component-wise censoring" Oral online presentation at the Joint Statistical Meetings, August 3, 2020.
- "Non-parametric estimation in an illness-death model with component-wise censoring" Oral online presentation at the Eastern North American Region of the International Biometric Society, March 23, 2020.
- "Designing clinical trials with restricted mean survival time endpoint: practical considerations." Poster and speed presentation at the Integrative Biostatistics Research for Imaging, Genomics, & High-throughput Technologies in Precision Medicine (iBRIGHT) Conference, MD Anderson Cancer Center, Houston, TX, November 11, 2019.
- "Non-parametric estimation in an illness-death model with component-wise censoring." Oral presentation at the Women in Statistics and Data Science Conference of the American Statistical Association, Bellevue, WA, October 5, 2019.
- "Adjustment for unmeasured confounding on the hazard ratio scale using bias factors." Poster at Causal Inference and Data Science Conference, Institute on Statistics and its Applications, University of Minnesota, Minneapolis, MN, May 2, 2019.
- "Non-parametric estimation for event free survival with component-wise censoring." Poster at Twin Cities American Statistical Association Chapter Spring Event, Minneapolis, MN, April 16, 2019.
- "Non-parametric estimation for event free survival with component-wise censoring." Poster at School of Public Health Student Research Day, University of Minnesota, Minneapolis, MN, April 11, 2019.
- "Designing clinical trials with restricted mean survival time endpoint: practical considerations." Oral presentation at the Eastern North American Region of the International Biometric Society, Philadelphia, PA, March 25, 2019.
- "Measuring treatment benefit in the Multiple Risk Factor Intervention Trial (MRFIT) with the win ratio." Moderated poster at the EPI/Lifestyle Conference of the American Heart Association, New Orleans, LA, March 21, 2018.
- "The role of penalized regression in clinical research: when should it be used?" Poster and speed

presentation at the Women in Statistics and Data Science Conference of the American Statistical Association, Charlotte, NC, October 20, 2016.

- "Health-related quality of life following pancreatic resection." Poster at the American Society of Clinical Oncologists Gastrointestinal Cancers Symposium, San Francisco, CA, January 15, 2015.
- "Prevalence and safety of off-label use of chemotherapeutic agents in elderly breast cancer patients: estimated from SEER-Medicare data." Poster at the San Antonio Breast Cancer Symposium, San Antonio, TX, December 4, 2012.

## ————— Advising and Mentoring

### **Master's Project Advisor**

- Lauren Makey (Biostatistics MS, Summer 2021)

### **Master's Project Committee Member**

- Wyatt Tarter (Biostatistics MS, Summer 2021)

### **Doctoral Dissertation Committee Member**

- Jessica Butts (Biostatistics PhD)

## ————— Scholarships and Awards

### **Scholarships**

- T32 National Research Service Award (2016–2019)
  - Funded by NIH (NHLBI)
  - Focused on clinical trials in cardiovascular disease
- T32 National Research Service Award (2008–2010)
  - Funded by NIH (NIAID)
  - Focused on HIV in the military population
- Grinnell Trustee Honor Scholarship (2004-2008)
- National Merit Scholarship (2004-2008)
- Robert C. Byrd Honors Scholarship (2004-2008)

### **Awards**

- University of Minnesota Division of Biostatistics Best Student Paper Award (2020)
- Delta Omega National Honorary Society in Public Health, Pi Chapter at the University of Minnesota School of Public Health (elected as a student member in 2020)
- Travel Award, Integrative Biostatistics Research for Imaging, Genomics, & High-throughput Technologies in Precision Medicine (iBRIGHT) Conference, MD Anderson Cancer Center, Houston, TX (2019)
- Travel Award, Women in Statistics and Data Science Conference of the American Statistical Association, Bellevue, WA (2019)
- Second Place, Twin Cities American Statistical Association Spring Event Poster Competition, Minneapolis, MN (2019)
- Travel Award, Women in Statistics and Data Science Conference of the American Statistical Association, Charlotte, NC (2016)



## Service and Professional Memberships

### Service

- Judge, Twin Cities American Statistical Association Spring Event Poster Competition, Minneapolis, MN (2021)
- Session Chair, "ROC Analysis, Decision Making" at the Eastern North American Region of the International Biometric Society (2021)
- Editorial Board Member, BMC Medical Research Methodology (2020–Present)
- Reviewer/Biostatistical Reviewer: JASA, Clinical Trials, Statistical Methods in Medical Research, Statistics in Biopharmaceutical Research, BMC Medical Research Methodology, Clinical Epidemiology, Journal of Clinical Oncology, Journal of Urology, JAMA Oncology, BMJ Open, Scientific Reports, Surgical Oncology, Clinical Infectious Diseases, Targeted Oncology
- Reviewer, Cancer Protocol Review Committee, Masonic Cancer Center, University of Minnesota (2020–Present)
- Reader, Advanced Placement Statistics Exam, Educational Testing Service (2019)
- Co-Organizer, University of Minnesota Biostatistics Student Seminar Series (2017–2019)
- Reviewer, Department of Biostatistics Protocol Review Committee, Memorial Sloan Kettering Cancer Center (2011–2016)
- Biostatistical Reviewer, Department of Surgery Protocol Review Committee, Memorial Sloan Kettering Cancer Center (2012–2015)
- Judge, ENAR Regional Advisory Board Poster Competition (2013)

### Professional Memberships

- American Statistical Association
- Eastern North American Region of the International Biometric Society
- RLadies Twin Cities Meetup Group