CURRICULUM VITAE FOR CLEVELAND CLINIC LERNER COLLEGE OF MEDICINE

JANUARY 6, 2022

PERSONAL INFORMATION

Name; last, first middle Zabor, Emily Craig

Credentials; MD, PhD, etc. MS, DrPH

Institution / Institute Cleveland Clinic, Lerner Research Institute

Department Quantitative Health Sciences

Office Address & Mail Code 9500 Euclid Ave, Cleveland, OH 44195, CA6-158

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EDUCATION & TRAINING

Education

School & City, State / Country Grinnell College, Grinnell, IA

Degree BA, Anthropology Start-End Dates 08/1999 – 05/2003

School & City, State / Country University of Minnesota, Minneapolis, MN

Degree MS, Biostatistics Start-End Dates 08/2008 – 05/2010

School & City, State / Country Columbia University, New York, NY

Degree DrPH, Biostatistics Start-End Dates 01/2013 – 02/2020

PhD Thesis

Title Statistical Methods for the Study of Etiologic Heterogeneity

Thesis Committee Members Colin B. Begg, Shuang Wang, Yuanjia Wang, Min Qian, Mary Beth Terry

PROFESSIONAL APPOINTMENTS

Position Assistant Staff

Institution / Institute Cleveland Clinic, Lerner Research Institute
Department Department of Quantitative Health Sciences

Start-End Dates 07/2019 - present

Position Senior Research Biostatistician

Institution & Institute Memorial Sloan Kettering Cancer Center
Department Department of Epidemiology & Biostatistics

City, State / Country

New York, New York, USA

Start-End Dates 04/2018 – 06/2019

Position Research Biostatistician II

Institution & Institute Memorial Sloan Kettering Cancer Center
Department Department of Epidemiology & Biostatistics

City, State / Country

New York, New York, USA

Start-End Dates 08/2015 - 03/2018

Position Research Biostatistician

Institution & Institute Memorial Sloan Kettering Cancer Center
Department Department of Epidemiology & Biostatistics

City, State / Country New York, New York, USA

Start-End Dates 10/2012 - 07/2015

Position Assistant Research Biostatistician
Institution & Institute Memorial Sloan Kettering Cancer Center
Department Department of Epidemiology & Biostatistics

City, State / Country

New York, New York, USA

Start-End Dates 08/2010 – 09/2012

ACADEMIC APPOINTMENTS

Rank, Department Assistant Professor of Medicine

Institution & City, State / Country Cleveland Clinic Lerner College of Medicine of Case Western Reserve

University, Cleveland, Ohio, USA

Start-End Dates 03/2020 - present

Rank, Department Adjunct Professor

Institution & City, State / Country Hunter College, New York, New York, USA

Start-End Dates 09/2016 - 06/2017

ADDITIONAL CAREER DEVELOPMENT

Research Development

School / Institution The University of Minnesota, Division of Health Policy & Management

Title / Certificate Research Assistant

Start-End Dates 2008-2009

School / Institution National Institutes of Health, Eunice Kennedy Shriver National Institute for

Child Health & Human Development

Title / Certificate Summer Intern in Biomedical Research

Start-End Dates 2009

School / Institution The University of Minnesota, Coordinating Centers for Biometric Research

Title / Certificate Research Assistant

Start-End Dates 2009-2010

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Name of Society American Statistical Association

Role / Title Member
Start-End Dates 2010-present

Name of Society Eastern North American Region of the International Biometric Society

Role / Title Member Start-End Dates 2011-present

Name of Society American Society of Clinical Oncology

Role / Title Member Start-End Dates 2015-2019

Name of Society Society for Epidemiologic Research

Role / Title Member Start-End Dates 2017-2019

Name of Society
Role / Title
Eastern North American Region of the International Biometric Society
Council for Emerging and New Statisticians Committee Member

Start-End Dates 2019-2021

PROFESSIONAL SERVICES

Editorial Board Membership

Journal 1 Journal of Urology, Editorial Board of Statisticians

Start-End Dates 2018-2020

Journal 2 European Urology, Statistical Associate Editor

Start-End Dates 2019-2021

Journal 3 R Journal, Associate Editor

Start-End Dates 2020-present

Journal of Urology, Chief Statistician

Start-End Dates 2021-present

Manuscript Reviewer

Journal 1 Journal of Urology

Start-End Dates 2013-2017

Journal 2 Journal of Clinical Oncology

Start-End Dates 2017-present

Journal 3 Journal of the American Statistical Association

Start-End Dates 2018-present

Journal 3 R Journal Start-End Dates 2019-2020

Advisory Groups

Organization R-Ladies, NYC
Title Board Member
Start-End Dates 2016-2019

COMMITTEE SERVICE

Cleveland Clinic

Committee Name / Role CCLCM Clinic Research Block Presentations, Faculty Assessor

Start-End Dates 2019, 2020

Committee Name / Role 2nd Annual Advances in Early Lung Cancer Detection Conference Breakout

Sessions, Statistician Contributor

Start-End Dates 2019

Committee Name / Role LRI Staff Biostatistician, Search Committee Member

Start-End Dates 2020

Committee Name / Role CCF Research Day, Clinical Abstract Review Committee Member

Start-End Dates 2020

Committee Name / Role Taussig Cancer Institute Hematologic Fellows Journal Club, Statistical

Mentor

Start-End Dates 2020-present

Memorial Sloan Kettering Cancer Center

Committee Name / Role R User Group, Member

Start-End Dates 2016-2019

Committee Name / Role Coding Workshop, Founder & Chair

Start-End Dates 2018-2019

HONORS & AWARDS

Mortar Board Honor Society, Grinnell College, 2002-2003

Ralph A. Leubben Prize for Anthropology, Grinnell College, 2003

Outstanding Teaching Assistant Award, The University of Minnesota, 2009

Travel Awardee, American Statistical Association Section on Statistics in Epidemiology, 2017

TEACHING ACTIVITIES

Curriculum/ Course Development

1. Introduction to Biostatistics, Hunter College, New York, NY

Spent 3 hours/week creating content and 3 hours/week teaching the course, 2016-2017 academic year. Developed the full curriculum including selecting textbooks, creating course content, designing assignments, writing exams. Graded all assignments and exams. Answered student questions and provided feedback.

Invited Lectures

International

- 1. "Bayesian Basket Trial Design With False Discovery Rate Control." International Indian Statistical Association Conference, virtual, 05/2021.
- 2. "Brief Introduction to Phase II Designs in Oncology." Seventh International Conference on Statistics for Twenty-first Century, virtual, 12/2021.

National

- 1. "How Long Will I Live? The Statistics Behind Prognosis In Cancer Research." New York R Conference, New York, NY, 04/2018.
- "Teaching Survival Analysis To Clinical Collaborators." R/Medicine Conference, New Haven, CT, 09/ 2018.
- 3. "Statistical Methods For The Study Of Etiologic Heterogeneity." NYU School of Medicine Department of Population Health, Division of Biostatistics, New York, NY, 10/2018.
- 4. "Statistical Methods For The Study Of Etiologic Heterogeneity." Memorial Sloan Kettering Cancer Center Department of Epidemiology & Biostatistics, New York, NY, 12/2018.
- 5. "Reporting Effect Size And Precision In Clinical Research." American Urological Association Methods in Clinical Urology Research (MCURe) Workshop, virtual, 07/2021.

6. "Correlating Surrogate Endpoints With Overall Survival At The Individual Patient Level For Precision Oncology." Joint Statistical Meetings, virtual, 08/2021.

Regional/Midwest

1. "Validity Of A Method For Identifying Disease Subtypes That Are Etiologically Heterogeneous." Mayo Clinic Department of Health Sciences Research, Rochester, MN, 09/2018.

Local

- 1. "Statistical Methods For The Study Of Etiologic Heterogeneity." Cleveland Clinic Department of Quantitative Health Sciences, Cleveland, OH, 11/2018.
- 2. "Creating Presentation-Ready Summary Tables With {gtsummary}." Greater Cleveland R User Group, Cleveland, OH, 09/2020.

Grand Rounds

National

 "Etiologic Heterogeneity In Cancer." Cleveland Clinic Florida Cancer Grand Rounds, Weston, FL, 01/2020.

Other Presentations

International

- 1. "Initial Reactions To Tobacco And Risk Of Future Regular Tobacco Use." Poster presentation, Third North American Congress of Epidemiology, Montreal, Canada, 06/2011.
- 2. "A Review Of Statistical Methods For Evaluating Etiologic Heterogeneity." Oral presentation, Third International Molecular Pathologic Epidemiology Meeting, Boston, MA, 03/2016.

National

- 1. "Association Between Periodontal Disease, Bacterial Vaginosis, And Sexual Risk Behaviours." Oral presentation, American Association for Dental Research Meetings, Washington DC, 03/2010.
- 2. "A Comparison Of Statistical Methods For The Study Of Etiologic Heterogeneity." Poster presentation, Eastern North American Region of the International Biometric Society, Washington DC, 03/2017.
- 3. "A Comparison Of Statistical Methods For The Study Of Etiologic Heterogeneity." Poster presentation, Society for Epidemiologic Research, Seattle, WA, 06/2017.
- 4. "Dimension Reduction In The Study Of Etiologic Heterogeneity." Oral presentation, Joint Statistical Meetings, Baltimore, MD, 09/2017.
- 5. "Validity Of A Method For Identifying Disease Subtypes That Are Etiologically Heterogeneous." Oral presentation, Eastern North American Region of the International Biometric Society, Atlanta, GA, 03/2018.
- 6. "Validity Of A Method For Identifying Disease Subtypes That Are Etiologically Heterogeneous." Oral/poster presentation, Joint Statistical Meetings, Vancouver, Canada, 07/2018.
- 7. "Designing Early Phase Clinical Trials With {ppseq}." R/Medicine Conference, virtual, 08/2021.

Teaching Activities

- 1. Teaching Assistant, Introduction to Biostatistics, 10 hours/week. Graduate students of The University of Minnesota, Minneapolis, MN, 2008-2010.
- 2. Teaching Assistant, Advanced Topics in Clinical Trials, 10 hours/week. Graduate students of The University of Minnesota, Minneapolis, MN, 2008-2010.

- 3. Teaching Assistant, Data Science I, 10 hours/week. Graduate students of Columbia University, New York, NY, 2017.
- 4. "Binary Recursive Partitioning With {rpart} and {rpart.plot}." Masters Seminar Series, Memorial Sloan Kettering Cancer Center Department of Epidemiology & Biostatistics, New York, NY, 1 hour tutorial, 08/2011.
- 5. "Conditional Survival." Masters Seminar Series, Memorial Sloan Kettering Cancer Center Department of Epidemiology & Biostatistics, New York, NY, 1 hour tutorial, 11/2012.
- 6. "Longitudinal Data Analysis." Masters Seminar Series, Memorial Sloan Kettering Cancer Center Department of Epidemiology & Biostatistics, New York, NY, 1 hour tutorial, 07/2015.
- 7. "Demonstration of Utility Functions for R Markdown Reports in Word." R User Group, Memorial Sloan Kettering Cancer Center Department of Epidemiology & Biostatistics, New York, NY, 1 hour tutorial, 12/2016.
- 8. "Creating Websites in R."

R User Group, Memorial Sloan Kettering Cancer Center Department of Epidemiology & Biostatistics, New York, NY, 1 hour tutorial, 01/2018.

R-Ladies NYC Meeting, 1 hour tutorial, 02/2018.

Produced a public-facing website with resulting content at

https://www.emilyzabor.com/tutorials/rmarkdown websites tutorial.html.

- 9. "Survival Analysis in R." R Presenter Series, Memorial Sloan Kettering Cancer Center Department of Strategy & Innovation, New York, NY, 1 hour tutorial, 08/2018.
- 10. "Introduction to Survival Analysis," two 3-hour lectures. Masters-level biostatisticians of Memorial Sloan Kettering Cancer Center Department of Epidemiology & Biostatistics, New York, NY, 03/2019.

Produced a public-facing website with the resulting content at

https://www.emilyzabor.com/tutorials/survival_analysis_in_r_tutorial.html. This material has been widely used and shared for training purposes internally, nationally, and internationally. 2 hours/quarter maintaining and updating.

- 11. Co-Instructor, Biostatistics and Epidemiology, two 2-hour lectures. PhD students of Cleveland Clinic Lerner College of Medicine Molecular Medicine program, 05/2021.
- 12. Guest lecturer, Tools course, "Introduction to R and RStudio," 3 hour lecture PhD students of Cleveland Clinic Lerner College of Medicine Molecular Medicine program, 07/2021.

RESEARCH / GRANT SUPPORT

Sponsor Agency and ID # National Cancer Institute
Title SPORE in Bladder Cancer

Your Role (PI, Co-PI, Co-Investigator, etc.) Co-Investigator

Percent Effort 25%
Percent Salary Support 25%
Total Direct Costs Awarded \$2,299,837
Start-End Dates 08/2018-07/2023

Sponsor Agency and ID # National Hearth, Lung, and Blood Institute

Title Investigation of the Effects of Electronic Cigarettes on Vascular Health

Your Role (PI, Co-PI, Co-Investigator, etc.) Co-Investigator

Percent Effort 5%
Percent Salary Support 5%
Total Direct Costs Awarded \$128,550
Start-End Dates 09/2016-08/2018

Sponsor Agency and ID# Chanel Endowment to Fund Survivorship

Title Body composition and the obesity paradox in renal cell carcinoma

Your Role (PI, Co-PI, Co-Investigator, etc.) Co-Investigator

Percent Effort 3% Percent Salary Support 3% Total Direct Costs Awarded \$25,941

Start-End Dates 01/2016-06/2019

Sponsor Agency and ID# MSK Chanel Survivorship Research Grant

Body composition and the obesity paradox in renal cell carcinoma Title

Your Role (PI, Co-PI, Co-Investigator, etc.) Co-Investigator

3% Percent Effort Percent Salary Support 3% Total Direct Costs Awarded \$48,535

Start-End Dates 01/2016-12/2017

Sponsor Agency and ID# National Cancer Insitute

Title Do cardiovascular risk factors modify the cardiotoxicity of lymphoma

treatments?

Your Role (PI, Co-PI, Co-Investigator, etc.) Co-Investigator

Percent Effort 12.5% Percent Salary Support 12.5% Total Direct Costs Awarded \$50,000

Start-End Dates 06/2015-05/2018

Sponsor Agency and ID # American Cancer Society

Title Predictors of Post-diagnosis Smoking in Bladder Cancer

Your Role (PI, Co-PI, Co-Investigator, etc.) Co-Investigator

Percent Effort 5% Percent Salary Support 0% Total Direct Costs Awarded \$156,640 Start-End Dates 01/2015-12/2019

Sponsor Agency and ID# Memorial Sloan Kettering Cancer Center Translational Kidney Cancer

Research

Title Immunohistochemical study of estrogen receptor protein expression in

ccRCC

Your Role (PI, Co-PI, Co-Investigator, etc.) Co-Investigator

Percent Effort 9% 9% Percent Salary Support Total Direct Costs Awarded \$50,000

Start-End Dates 06/2014-11/2015

Sponsor Agency and ID# National Cancer Institute

Title Statistical strategies for Establishing Etiologic Heterogeneity of

Tumors

Your Role (PI, Co-PI, Co-Investigator, etc.) Co-Investigator

Percent Effort 40% Percent Salary Support 40% \$207,500 Total Direct Costs Awarded Start-End Dates

07/2012-05/2018

BIBLIOGRAPHY Peer Reviewed Articles

- 1. **Zabor, E. C.**, Klebanoff, M., Yu, K., Zhang, J., Nansel, T., Andrews, W., Schwebke, J., & Jeffcoat, M. (2010). Association between periodontal disease, bacterial vaginosis, and sexual risk behaviours. J Clin Periodontol, 37(10), 888-893. doi:10.1111/j.1600-051X.2010.01593.x
- Shree, T., Olson, O. C., Elie, B. T., Kester, J. C., Garfall, A. L., Simpson, K., Bell-McGuinn, K. M., Zabor, E. C., Brogi, E., & Joyce, J. A. (2011). Macrophages and cathepsin proteases blunt chemotherapeutic response in breast cancer. Genes Dev, 25(23), 2465-2479. doi:10.1101/gad.180331.111
- 3. Brader, P., Abramson, S. J., Price, A. P., Ishill, N. M., Emily, Z. C., Moskowitz, C. S., La Quaglia, M. P., & Ginsberg, M. S. (2011). Do characteristics of pulmonary nodules on computed tomography in children with known osteosarcoma help distinguish whether the nodules are malignant or benign? J Pediatr Surg, 46(4), 729-735. doi:10.1016/j.jpedsurg.2010.11.027
- 4. Moskowitz, C. S., **Zabor**, **E. C.**, & Jochelson, M. (2012). Breast imaging: understanding how accuracy is measured when lesions are the unit of analysis. Breast J, 18(6), 557-563. doi:10.1111/tbj.12009
- Kadota, K., Colovos, C., Suzuki, K., Rizk, N. P., Dunphy, M. P., Zabor, E. C., Sima, C. S., Yoshizawa, A., Travis, W. D., Rusch, V. W., & Adusumilli, P. S. (2012). FDG-PET SUVmax combined with IASLC/ATS/ERS histologic classification improves the prognostic stratification of patients with stage I lung adenocarcinoma. Ann Surg Oncol, 19(11), 3598-3605. doi:10.1245/s10434-012-2414-3
- Kadota, K., Suzuki, K., Kachala, S. S., Zabor, E. C., Sima, C. S., Moreira, A. L., Yoshizawa, A., Riely, G. J., Rusch, V. W., Adusumilli, P. S., & Travis, W. D. (2012). A grading system combining architectural features and mitotic count predicts recurrence in stage I lung adenocarcinoma. Mod Pathol, 25(8), 1117-1127. doi:10.1038/modpathol.2012.58
- 7. Begg, C. B., & **Zabor**, E. C. (2012). Detecting and exploiting etiologic heterogeneity in epidemiologic studies. Am J Epidemiol, 176(6), 512-518. doi:10.1093/aje/kws128
- 8. Abramson, D. H., Marr, B. P., Dunkel, I. J., Brodie, S., **Zabor, E. C.**, Driscoll, S. J., & Gobin, Y. P. (2012). Intra-arterial chemotherapy for retinoblastoma in eyes with vitreous and/or subretinal seeding: 2-year results. Br J Ophthalmol, 96(4), 499-502. doi:10.1136/bjophthalmol-2011-300498
- 9. **Zabor, E. C.**, Gonen, M., Chapman, P. B., & Panageas, K. S. (2013). Dynamic prognostication using conditional survival estimates. Cancer, 119(20), 3589-3592. doi:10.1002/cncr.28273
- Zabor, E. C., Li, Y., Thornton, L. M., Shuman, M. R., Bulik, C. M., Lichtenstein, P., Pedersen, N. L., Sullivan, P. F., & Furberg, H. (2013). Initial reactions to tobacco use and risk of future regular use. Nicotine Tob Res, 15(2), 509-517. doi:10.1093/ntr/nts180
- 11. Weiss, M. J., Ito, H., Araujo, R. L., **Zabor, E. C.**, Gonen, M., D'Angelica, M. I., Allen, P. J., DeMatteo, R. P., Fong, Y., Blumgart, L. H., & Jarnagin, W. R. (2013). Hepatic pedicle clamping during hepatic resection for colorectal liver metastases: no impact on survival or hepatic recurrence. Ann Surg Oncol, 20(1), 285-294. doi:10.1245/s10434-012-2583-0
- 12. Rink, M., **Zabor, E. C.**, Furberg, H., Xylinas, E., Ehdaie, B., Novara, G., Babjuk, M., Pycha, A., Lotan, Y., Trinh, Q. D., Chun, F. K., Lee, R. K., Karakiewicz, P. I., Fisch, M., Robinson, B. D., Scherr, D. S., & Shariat, S. F. (2013). Impact of smoking and smoking cessation on outcomes in bladder cancer patients treated with radical cystectomy. Eur Urol, 64(3), 456-464. doi:10.1016/j.eururo.2012.11.039
- 13. Rink, M., Furberg, H., **Zabor, E. C.**, Xylinas, E., Babjuk, M., Pycha, A., Lotan, Y., Karakiewicz, P. I., Novara, G., Robinson, B. D., Montorsi, F., Chun, F. K., Scherr, D. S., & Shariat, S. F. (2013). Impact of smoking and smoking cessation on oncologic outcomes in primary non-muscle-invasive bladder cancer. Eur Urol, 63(4), 724-732. doi:10.1016/j.eururo.2012.08.025
- Ridge, C. A., Huang, J., Cardoza, S., Zabor, E. C., Moskowitz, C. S., Zakowski, M. F., & Ginsberg, M. S. (2013). Comparison of multiplanar reformatted CT lung tumor measurements to axial tumor measurement alone: impact on maximal tumor dimension and T stage. AJR Am J Roentgenol, 201(5), 959-963. doi:10.2214/ajr.12.10033
- Pannu, H. K., Ma, W., Zabor, E. C., Moskowitz, C. S., Barakat, R. R., & Hricak, H. (2013). Enhancement of ovarian malignancy on clinical contrast enhanced MRI studies. ISRN Obstet Gynecol, 2013, 979345. doi:10.1155/2013/979345
- 16. McErlean, A., Panicek, D. M., **Zabor, E. C.**, Moskowitz, C. S., Bitar, R., Motzer, R. J., Hricak, H., & Ginsberg, M. S. (2013). Intra- and interobserver variability in CT measurements in oncology. Radiology, 269(2), 451-459. doi:10.1148/radiol.13122665
- 17. McErlean, A., Huang, J., **Zabor, E. C.**, Moskowitz, C. S., & Ginsberg, M. S. (2013). Distinguishing benign thymic lesions from early-stage thymic malignancies on computed tomography. J Thorac Oncol, 8(7), 967-973. doi:10.1097/JTO.0b013e3182904bc2

- 18. Lefkowitz, R. A., Landa, J., Hwang, S., **Zabor, E. C.**, Moskowitz, C. S., Agaram, N. P., & Panicek, D. M. (2013). Myxofibrosarcoma: prevalence and diagnostic value of the "tail sign" on magnetic resonance imaging. Skeletal Radiol, 42(6), 809-818. doi:10.1007/s00256-012-1563-6
- Iyer, G., Al-Ahmadie, H., Schultz, N., Hanrahan, A. J., Ostrovnaya, I., Balar, A. V., Kim, P. H., Lin, O., Weinhold, N., Sander, C., Zabor, E. C., Janakiraman, M., Garcia-Grossman, I. R., Heguy, A., Viale, A., Bochner, B. H., Reuter, V. E., Bajorin, D. F., Milowsky, M. I., Taylor, B. S., & Solit, D. B. (2013). Prevalence and co-occurrence of actionable genomic alterations in high-grade bladder cancer. J Clin Oncol, 31(25), 3133-3140. doi:10.1200/jco.2012.46.5740
- 20. Hakimi, A. A., Furberg, H., **Zabor, E. C.**, Jacobsen, A., Schultz, N., Ciriello, G., Mikklineni, N., Fiegoli, B., Kim, P. H., Voss, M. H., Shen, H., Laird, P. W., Sander, C., Reuter, V. E., Motzer, R. J., Hsieh, J. J., & Russo, P. (2013). An epidemiologic and genomic investigation into the obesity paradox in renal cell carcinoma. J Natl Cancer Inst, 105(24), 1862-1870. doi:10.1093/jnci/djt310
- 21. Ehdaie, B., Furberg, H., **Zabor, E. C.**, Ostroff, J. S., Shariat, S. F., Bochner, B. H., Coleman, J. A., & Dalbagni, G. (2013). Impact of smoking status at diagnosis on disease recurrence and death in upper tract urothelial carcinoma. BJU Int, 111(4), 589-595. doi:10.1111/j.1464-410X.2012.11260.x
- Begg, C. B., Zabor, E. C., Bernstein, J. L., Bernstein, L., Press, M. F., & Seshan, V. E. (2013). A
 conceptual and methodological framework for investigating etiologic heterogeneity. Stat Med, 32(29),
 5039-5052. doi:10.1002/sim.5902
- 23. Sfakianos, J. P., Hakimi, A. A., Kim, P. H., **Zabor, E. C.**, Mano, R., Bernstein, M., Karellas, M., & Russo, P. (2014). Outcomes in patients undergoing nephrectomy for renal cancer on chronic anticoagulation therapy. Eur J Surg Oncol, 40(12), 1700-1705. doi:10.1016/j.ejso.2014.04.010
- 24. Mano, R., Hakimi, A. A., **Zabor, E. C.**, Bury, M. A., Donati, O. F., Karlo, C. A., Bazzi, W. M., Furberg, H., & Russo, P. (2014). Association between visceral and subcutaneous adiposity and clinicopathological outcomes in non-metastatic clear cell renal cell carcinoma. Can Urol Assoc J, 8(9-10), E675-680. doi:10.5489/cuai.1979
- 25. Lubetkin, E. I., **Zabor, E. C.**, Brennessel, D., Kemeny, M. M., & Hay, J. L. (2014). Beyond demographics: differences in patient activation across new immigrant, diverse language subgroups. J Community Health, 39(1), 40-49. doi:10.1007/s10900-013-9738-1
- 26. Hayes, S. A., Soff, G. A., **Zabor, E. C.**, Moskowitz, C. S., Liu, C. C., & Ginsberg, M. S. (2014). Clinical consequences of an indeterminate CT pulmonary angiogram in cancer patients. Clin Imaging, 38(5), 637-640. doi:10.1016/j.clinimag.2014.04.015
- 27. Ehdaie, B., Furberg, H., **Zabor, E. C.**, Hakimi, A. A., & Russo, P. (2014). Comprehensive assessment of the impact of cigarette smoking on survival of clear cell kidney cancer. J Urol, 191(3), 597-602. doi:10.1016/j.juro.2013.08.081
- 28. Do, R. K., Katz, S. S., Gollub, M. J., Li, J., LaFemina, J., **Zabor, E. C.**, Moskowitz, C. S., Klimstra, D. S., & Allen, P. J. (2014). Interobserver agreement for detection of malignant features of intraductal papillary mucinous neoplasms of the pancreas on MDCT. AJR Am J Roentgenol, 203(5), 973-979. doi:10.2214/ajr.13.11490
- Begg, C. B., Seshan, V. E., Zabor, E. C., Furberg, H., Arora, A., Shen, R., Maranchie, J. K., Nielsen, M. E., Rathmell, W. K., Signoretti, S., Tamboli, P., Karam, J. A., Choueiri, T. K., Hakimi, A. A., & Hsieh, J. J. (2014). Genomic investigation of etiologic heterogeneity: methodologic challenges. BMC Med Res Methodol, 14, 138. doi:10.1186/1471-2288-14-138
- 30. Sfakianos, J. P., Cha, E. K., Iyer, G., Scott, S. N., **Zabor, E. C.**, Shah, R. H., Ren, Q., Bagrodia, A., Kim, P. H., Hakimi, A. A., Ostrovnaya, I., Ramirez, R., Hanrahan, A. J., Desai, N. B., Sun, A., Pinciroli, P., Rosenberg, J. E., Dalbagni, G., Schultz, N., Bajorin, D. F., Reuter, V. E., Berger, M. F., Bochner, B. H., Al-Ahmadie, H. A., Solit, D. B., & Coleman, J. A. (2015). Genomic Characterization of Upper Tract Urothelial Carcinoma. Eur Urol, 68(6), 970-977. doi:10.1016/j.eururo.2015.07.039
- 31. Lubetkin, E. I., **Zabor, E. C.**, Isaac, K., Brennessel, D., Kemeny, M. M., & Hay, J. L. (2015). Health literacy, information seeking, and trust in information in Haitians. Am J Health Behav, 39(3), 441-450. doi:10.5993/ajhb.39.3.16
- 32. Kim, P. H., Cha, E. K., Sfakianos, J. P., Iyer, G., **Zabor, E. C.**, Scott, S. N., Ostrovnaya, I., Ramirez, R., Sun, A., Shah, R., Yee, A. M., Reuter, V. E., Bajorin, D. F., Rosenberg, J. E., Schultz, N., Berger, M. F., Al-Ahmadie, H. A., Solit, D. B., & Bochner, B. H. (2015). Genomic predictors of survival in patients with high-grade urothelial carcinoma of the bladder. Eur Urol, 67(2), 198-201. doi:10.1016/j.eururo.2014.06.050

- 33. Begg, C. B., Orlow, I., **Zabor**, E. C., Arora, A., Sharma, A., Seshan, V. E., & Bernstein, J. L. (2015). Identifying Etiologically Distinct Sub-Types of Cancer: A Demonstration Project Involving Breast Cancer. Cancer Med, 4(9), 1432-1439. doi:10.1002/cam4.456
- 34. Bambury, R. M., Benjamin, D. J., Chaim, J. L., **Zabor, E. C.**, Sullivan, J., Garcia-Grossman, I. R., Regazzi, A. M., Ostrovnaya, I., Apollo, A., Xiao, H., Voss, M. H., Iyer, G., Bajorin, D. F., & Rosenberg, J. E. (2015). The safety and efficacy of single-agent pemetrexed in platinum-resistant advanced urothelial carcinoma: a large single-institution experience. Oncologist, 20(5), 508-515. doi:10.1634/theoncologist.2014-0354
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Peer Reviewed Articles, Under Review

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- Sittenfeld, S. M. C., Zabor, E. C., Hamilton, S. N., Kuerer, H. M., El-Tamer, M., Naoum, G. E., Truong, P. T., Nichol, A., Smith, B. D., Woodward, W. A., Moo, T. A., Powell, S. N., Shah, C. S., Taghian, A. G., Abu-Gheida, I., & Tendulkar, R. D. (Under review). A Multi-institutional Prediction Model to Estimate the Risk of Recurrence and Mortality after Mastectomy for T1-2N1 Breast Cancer.
- 3. Singh, A. D., Raval, V., Davanzo, J., & **Zabor**, E. C. (Under review). Small Choroidal Melanoma: Outcomes Following Active Surveillance vs Immediate Treatment.
- 4. Kaizer, A. M., **Zabor, E. C.**, Nie, L., & Hobbs, B. P. (Under review). Bayesian and Frequentist Approaches to Sequential Monitoring for Futility in Oncology Basket Trials: A Comparison of Simon's Two-Stage Design and Bayesian Predictive Probability Monitoring with Information Sharing Across Baskets.

Invited, Non-Peer Reviewed

- Zabor, E. C. (2018). ASO Author Reflections: Careful Development and Thoughtful Interpretation are Needed when Developing Online Prognostic Tools. Ann Surg Oncol, 25(Suppl 3), 916-917. doi:10.1245/s10434-018-6987-3
- 2. **Zabor, E. C.** (2021). Comment on "Age Conditional Probability of Ocular and Ocular Adnexal Malignancies". *Ocul Oncol Pathol*, 7(1), 74-75. doi:10.1159/000512031

Software / Application Development

- 1. **Zabor**, E. C. ezfun: R package to generate tables for clinical projects for use in word R Markdown files, https://github.com/zabore/ezfun. R package primarily intended for personal use.
- 2. **Zabor**, E. C. and Gönen, M. condsurv: R package for conditional survival analysis, https://github.com/zabore/condsurv. R package.
- 3. **Zabor, E. C.** riskclustr: Functions to Study Etiologic Heterogeneity. R package version 0.3. https://cran.r-project.org/web/packages/riskclustr/.

- 4. Sjoberg, D. D., Hannum, M., Whiting, K., & **Zabor**, E. C. (2020). gtsummary: Presentation-Ready Data Summary and Analytic Result Tables. R package version 1.3.4. https://CRAN.R-project.org/package=gtsummary.
- 5. **Zabor, E. C.**, Hobbs, B. P., & Kane, M. J. (2021). ppseq: Design Clinical Trials using Sequential Predictive Probability Monitoring. R package version 0.1.1. https://cran.r-project.org/web/packages/ppseq/index.html.

Letters

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