

CURRICULUM VITAE

Megan Othus, Ph.D.

Current Address: Southwest Oncology Group
Fred Hutchinson Cancer Research Center
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Phone: Office: (206) 667-5749

Education: Reed College, B.A. (Mathematics), 2004
Harvard University, A.M., (Biostatistics), 2006
Harvard University, Ph.D., (Biostatistics), 2009

Positions:

Assistant Member, Fred Hutchinson Cancer Research Center, Seattle, WA 2009 – present

Honors and Awards:

Statistics in Epidemiology Student Travel Award 2009, American Statistical Association
Byar Young Investigator Travel Award 2008, American Statistical Association
Health Policy Statistics Student Paper Award 2008, American Statistical Association
Distinguished Student Paper Award 2008, International Biometric Society Eastern North American Region
Student Paper Award 2008, International Chinese Statistics Association
Contributed Talk Award 2008, Frontiers in Applied and Computational Mathematics
Certificate of Distinction in Teaching 2008, Derek Bok Center for Teaching and Learning at Harvard University
Award for Best Teaching Assistant 2007, Harvard School of Public Health
Certificate of Distinction in Teaching 2006-2007, Harvard University Department of Biostatistics
Mu Sigma Rho 2007
Phi Beta Kappa 2004

Research Interests:

Survival analysis, cure modeling, change-point problems, longitudinal and multivariate data analysis

Professional Memberships:

American Statistical Association
Institute of Mathematical Statistics
Eastern North American Region, International Biometric Society

Professional Activities:

Invited Session Organizer and Chair, 2009 Conference on Financial Statistics and Financial Econometrics – Nonparametric Modeling and Its Application, Chengu, China, *Censored Data Analysis with High Dimensional Covariates*
Invited Session Organizer and Chair, 2009 International Biometric Society - ENAR Meetings, San Antonio, TX, *Prediction and Cure Modeling for Modern Biomedical Data*

Referee:

Biometrics
 Computational Statistics
 European Series in Applied and Industrial Mathematics: Probability and Statistics
 Journal American Statistical Association
 Journal of Multivariate Analysis
 Lifetime Data Analysis
 Statistics in Biosciences

Presentations:

Department of Mathematical and Statistical Sciences, University of Colorado, Denver, CO, February, 2009
 Department of Biostatistics and Informatics, University of Colorado, Denver, CO, February 2009
 Department of Biostatistics, University of Washington, Seattle, WA, February 2009
 Program in Biostatistics and Biomathematics, Fred Hutchinson Cancer Research Center, Seattle, WA, February 2009
 Department of Biostatistics and Epidemiology, University of Pennsylvania, Philadelphia, PA, February 2009
 Center for Statistical Sciences, Department of Community Health, Brown University, Providence, RI, January 2009
 Department of Biostatistics, UCLA, Los Angeles, CA, January 2009
 Clinical Trial Fellows Seminar Series, Beth Israel Deaconess Medical Center, Boston, MA, April 2008
 Clinical Trial Fellows Seminar Series, Beth Israel Deaconess Medical Center, Boston, MA, March 2008
 Cancer Working Group Seminar Series, Harvard, Biostatistics Department, Boston, MA, February 2008
 Joint Statistical Meetings, Washington DC, August 2009
 New England Statistics Symposium, Storrs, CT, April 2009
 Joint Statistical Meetings, Denver, CO, August 2008
 ICSA Applied Statistics Symposium, Piscataway, NJ, June 2008
 FACM, Newark, NJ, May 2008
 ENAR, Arlington, VA, March 2008

BIBLIOGRAPHY:Publications in refereed journals:

1. Calgar H, Tishler R, Othus M, Burke E, Li Y, Goguen L, Wirth L, Haddad R, Norris C, Court L, Annino D, Posner M, Allen A. Dose to larynx predicts for swallowing complications after intensity-modulated radiotherapy . *Int J Radiat Oncol Biol Phys*, 72(4):1110-1118, 2008. PMID: 18468812
2. Rusby J, Brachtel E, Othus M, Michaelson J, Koerner F, Smith B. Development and validation of a model predictive of occult nipple involvement in women undergoing mastectomy. *Br J Surg*, 95(11):1356–1361, 2008. PMID: 18844271
3. Wirth L, Krane J, Li Y, Othus M, Moran A, Dorfman D, Norris C, Posner M, Bertanolly M. A pilot surrogate endpoint biomarker study of celecoxib in oral premalignant lesions. *Cancer Prev Res*, 1(5):339–348, 2008. PMID: 19138978
4. De Jesus M, Parast L, Shelton R, Kokkinogenis K, Othus M, Li Y, Allen J. Actual versus preferred sources of human papillomavirus information among black, white, and Hispanic parents: implications for primary care providers and parent education. *Arch Pediatr Adolesc Med* 163 (11):1066–1067, 2009. PMID: 19884601
5. Othus M, Li Y, and Tiwari R. A class of semiparametric mixture cure survival models with dependent censoring. *J Amer Stat Assoc* 104 (487):1241–1250, 2009.

6. Allen J, Mohllajee A, Shelton R, Othus M, Fontenot H, Hanna R. (2009). Stage of readiness to adopt the human papillomavirus vaccine among college women. *Prev Med* 48(5):420–425, 2009. PMID: 19133288
7. Calgar H, Baldini E, Othus M, Rabin M, Bueno R, Sugarbaker D, Mentzer S, Jänne P, Johnson B, Allen A. Outcomes of patients with stage III nonsmall cell lung cancer treated with chemotherapy and radiation with and without surgery. *Cancer* 115(18):4156–4166, 2009. PMID: 19551884
8. Litzow M, Othus M, Cripe L, Gore S, Lee S, Bennet J, Paietta E, Dewald G, Rowe J, Tallman M. (2010). Failure of three novel regimens to improve outcome for patients with relapsed or refractory acute myeloid leukaemia: a report from the Eastern Cooperative Oncology Group. *Br J of Haematol* 148 (2):217–225, 2010. PMCID: PMC2809127
9. Medeiros BC, Othus M, Fang M, Roulston D, Appelbaum FR. Prognostic impact of monosomal karyotype in young adult and elderly acute myeloid leukemia: the Southwest Oncology Group (SWOG) experience. *Blood* 116(13):2224–2228, 2010. PMID: 20562328
10. Allen J, Othus M, Hart A Jr, Tom L, Li Y, Berry D, Bowen D. A randomized trial of a computer-tailored decision aid to improve prostate cancer screening decisions: from the take the wheel trial. *Cancer Epidemiol Biomarkers Prev* 19(9):2172–2186, 2010. PMID: 20716619
11. Allen JD, Othus MK, Shelton RC, Li Y, Norman N, Tom L, del Carmen MG. Parental decision making about the HPV vaccine. *Cancer Epidemiol Biomarkers Prev* 19(9):2187–2198, 2010. PMID: 20826829
12. Calgar HB, Othus M, Allen AM. Esophagus in-field: a new predictor of esophagitis. *Radiother Oncol* 97(1):48–53, 2010. PMID: 20832884

In Press:

1. Allen J, Othus M, Hart A, Mohllajee A, Li Y, Lathan C, Bowen D. Do men really make informed decisions about prostate cancer screening? Baseline results from the “Take the Wheel” trial. *Med Decis Making*, 2010.

Medical Abstracts

1. Shelton R, Snavely A, De Jesus M, Othus M, Allen J. Religious factors and hpv vaccine acceptance among multiethnic caregivers. *Society of Behavioral Medicine*, 2010..
2. Clement J, Yi L, Othus M, Bublely G. Detecting disparities in long-term prostate cancer survival with dependent censoring. *GU ASCO*, 2009.
3. Calgar, H, Allen A, Othus M, Yi L, Burke E, Wirth L, Gougen L, Haddad, R, Posner M, Tishler, R. Dose to the larynx predicts for swallowing complications following IMRT and chemotherapy. *Int J Radiat Oncol Bio Phy*, 69(3), Suppl 1, S53–S54, 2007.