

CURRICULUM VITAE
Marianne H Bertolet
University of Pittsburgh

Business Address: 130 Desoto St.
127 Parran Hall
Pittsburgh, PA 15261

Business Phone: 412-628-7098

Business Fax: 412-624-3775

Email Address: mhb12@pitt.edu

EDUCATION and TRAINING

Undergraduate

1989 - 1993	Shippensburg University Shippensburg, PA	B.A. Mathematics Summa Cum Laude, Recognition of Academic Achievement, Scholar Athlete Award, Member of Kappa Mu Epsilon (Mathematics Honor Society), James Eldon Award for Most Outstanding Mathematics Student
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Graduate

1994 - 1995	Cornell University Ithaca, NY	M.Eng. Operations Research and Industrial Engineering David Ruppert Most Outstanding Masters of Engineering Student
2000 - 2002	Carnegie Mellon University Pittsburgh, PA	M.S. Statistics Carnegie Scholar
2002 - 2008	Carnegie Mellon University Pittsburgh, PA	Ph.D. Statistics Brian Junker Carnegie Scholar

APPOINTMENTS and POSITIONS

Academic

2014 - Present	Graduate School of Public Health	Assistant Professor -
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	University of Pittsburgh Pittsburgh, PA	Secondary Appointment Biostatistics
2013 - Present	Graduate School of Public Health University of Pittsburgh Pittsburgh, PA	Member of the Graduate Faculty
2011 - Present	School of Medicine University of Pittsburgh Pittsburgh, PA	Assistant Professor - Secondary Appointment Clinical and Translational Science
2010 - Present	Graduate School of Public Health University of Pittsburgh Pittsburgh, PA	Assistant Professor Epidemiology
2008 - 2010	Graduate School of Public Health University of Pittsburgh Pittsburgh, PA	Visiting Assistant Professor Epidemiology
Non-Academic 1993 - 2000	Graduate School of Public Health AT&T Holmdel, NJ	Member of the Technical Staff AT&T /Bell Laboratories

CONTINUING EDUCATION

8/2011	Bayesian Adaptive Methods for Clinical Trials, Joint Statistical Meetings, Miami, FL.
9/2011	Student Affairs 101, Graduate School of Public Health.
9/2011	Course Design Fundamentals, Center for Instructional Design and Distance Education, Graduate School of Public Health, University of Pittsburgh.
10/2011	Causal Inference Track and Methods Track Courses, 9th International Conference on Health Policy Statistics, Cleveland OH.
11/2011	Mentoring Fundamentals, Center for Instructional Design and Distance Education, University of Pittsburgh.
2/2012	Making Time for Diversity: "Our Experiences Teaching about Organized Racism", Center for Instructional Design and Distance Education, University of Pittsburgh.
2/2012	Copyright and Fair Use Issues, Center for Instructional Design and Distance Education, University of Pittsburgh.
2/2012	How Learning Works, Center for Instructional Design and Distance Education, University of Pittsburgh.
5/2012	The Multi-generational Classroom, Center for Instructional Design and Distance Education, University of Pittsburgh.
5/2012	Interim Monitoring, Society for Clinical Trials, Miami, FL.
1/2013	Peer Assessment and the New Technologies, Center for Instructional Design and Distance Education, University of Pittsburgh.
5/2013	Engaging Your Students, Center for Instructional Design and Distance Education,

- University of Pittsburgh.
- 2/2014 Using Case Studies in Teaching, Center for Instructional Design and Distance Education, University of Pittsburgh.
- 3/2014 Why is Sharing Clinical Trial Data so Hard? Why the IOM needs your input., Society for Clinical Trials, Webinar.
- 5/2014 Structuring Student Risk to Foster Rigor; A New Motivating Grading System, Center for Instructional Design and Distance Education, University of Pittsburgh.
- 6/2014 Risk Based Monitoring for Clinical Trials, Society for Clinical Trials, Webinar.
- 6/2014 Faculty Development Workshop: Systematic Review, Health Sciences Library System: University of Pittsburgh.
- 4/2015 Teaching Cultural Competence, Center for Instructional Design and Distance Education, Graduate School of Public Health, University of Pittsburgh.
- 5/2015 Building Faculty Awareness and Capacity: Discovering the Role of Unconscious Bias in Classroom Pedagogy and Dynamics, 2015 Provosts' Diversity Institute for Faculty Development, .
- 5/2015 Creating an LGBTQ-inclusive Classroom, 2015 Provost's Diversity Institute for Faculty, .
- 6/2015 Race in America: Teaching Race to College Students, 2015 Provost's Diversity Institute for Faculty Development, .
- 11/2015 "Can I be of Any Help?" - A Destination Diversity Workshop, Office of Provost Diversity and Inclusion Series.
- 4/2016 What's Race Got to do with It?, Provost Diversity Institute for Faculty Development, .
- 5/2016 Navigating Poverty: A Simulation of Challenging Situations and Difficult Choices; So you Want to be A Legislator?: Creating an In-Depth Semester-Long Simulation in American Politics, Summer Instructional Development Institute, .
- 5/2016 Intergroup Dialogue, Provost's Diversity Institute for Faculty Development, .
- 5/2016 Understanding our Students - Transgender; Students with Disabilities; Understanding the Background and Academic Preparation of Students from Chinese Cultures; Religious Diversity in the Classroom, Provost's Diversity Institute for Faculty Development, .

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

- 1991 - 1993 Chapter President, Kappa Mu Epsilon - Mathematics Honorary Society
- 2000 - Present Member, American Statistical Association, National and Local Chapters
- 2000 - Present Member, Institute of Mathematical Statistics
- 2009 - Present Member, International Biometric Society - Eastern North American Region
- 2009 - Present Member, Society of Clinical Trials
- 2015 - Present Member, Society for Epidemiologic Research

HONORS and AWARDS

- 1989 - 1993 Recognition of Academic Achievement, Shippensburg University
- 1990 Scholar Athlete Award, Shippensburg University

1994 - 1995	Master's Degree Scholarship (OYOC) AT&T Bell Laboratories
1995	Most Outstanding Master of Engineering Student: Cornell University
2000 - 2008	Carnegie Scholar from Carnegie Mellon University
2004	Health Policy Statistics Student Paper Award: 2004 Joint Statistical Meetings
2008	Student of the Year: Pittsburgh Chapter, American Statistical Association
2008	Documentation of Teaching Development. Eberly Center. Carnegie Mellon University.
2012	Certificate in Teaching Excellence from the University of Pittsburgh Graduate School of Public Health
N/A	Nominated by students for the Craig Award for Excellence in Teaching. 2010, 2011, 2012, 2014

PUBLICATIONS

Peer-reviewed Publications

1. Cosgrove JL, Bertolet M, Chase SL, Cosgrove GK. Epidural steroid injections in the treatment of lumbar spinal stenosis efficacy and predictability of successful response. *American journal of physical medicine & rehabilitation / Association of Academic Physiatrists*. 2011 Dec; 90 (12):1050-5. PMID: 22019962.
2. Schwartz L, Bertolet M, Feit F, Fuentes F, Sako EY, Toosi MS, Davidson CJ, Ikeno F, King SB 3rd. Impact of completeness of revascularization on long-term cardiovascular outcomes in patients with type 2 diabetes mellitus: results from the Bypass Angioplasty Revascularization Investigation 2 Diabetes (BARI 2D). *Circulation. Cardiovascular Interventions*. 2012 Apr; 5 (2):166-73. PMID: 22496082. doi: 10.1161/CIRCINTERVENTIONS.111.963512.
3. Jacobs AK, Kushner FG, Ettinger SM, Guyton RA, Anderson JL, Ohman EM, Albert NM, Antman EM, Arnett DK, Bertolet M, Bhatt DL, Brindis RG, Creager MA, DeMets DL, Dickersin K, Fonarow GC, Gibbons RJ, Halperin JL, Hochman JS, Koster MA, Normand SL, Ortiz E, Peterson ED, Roach WH Jr, Sacco RL, Smith SC Jr, Stevenson WG, Tomaselli GF, Yancy CW, Zoghbi WA, Harold JG, He Y, Mangu PB, Qaseem A, Sayre MR, Somerfield MR. ACCF/AHA clinical practice guideline methodology summit report: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *Journal of The American College of Cardiology*. 2013 Jan 15; 61 (2):213-65. PMID: 23238451. doi: 10.1016/j.jacc.2012.09.025.
4. Jacobs AK, Kushner FG, Ettinger SM, Guyton RA, Anderson JL, Ohman EM, Albert NM, Antman EM, Arnett DK, Bertolet M, Bhatt DL, Brindis RG, Creager MA, DeMets DL, Dickersin K, Fonarow GC, Gibbons RJ, Halperin JL, Hochman JS, Koster MA, Normand SL, Ortiz E, Peterson ED, Roach WH Jr, Sacco RL, Smith SC Jr, Stevenson WG, Tomaselli GF, Yancy CW, Zoghbi WA. ACCF/AHA clinical practice guideline methodology summit report: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *Circulation*. 2013 Jan 15; 127 (2):268-310. PMID: 23230312. doi: 10.1161/CIR.0b013e31827e8e5f.

5. Farkouh ME, Boden WE, Bittner V, Muratov V, Hartigan P, Ogdie M, Bertolet M, Mathewkutty S, Teo K, Maron DJ, Sethi SS, Domanski M, Frye RL, Fuster V. Risk factor control for coronary artery disease secondary prevention in large randomized trials. *Journal of The American College of Cardiology*. 2013 Apr 16; 61 (15):1607-15. PMID: 23500281. doi: 10.1016/j.jacc.2013.01.044.
6. Tomaszewski JJ, Chen YF, Bertolet M, Ristau BT, Woldemichael E, Nelson JB. Obesity is not associated with aggressive pathologic features or biochemical recurrence after radical prostatectomy. *Urology*. 2013 May; 81 (5):992-6. PMID: 23453649. doi: 10.1016/j.urology.2012.10.080.
7. Sjaarda L, Lee S, Tfayli H, Bacha F, Bertolet M, Arslanian S. Measuring β -cell function relative to insulin sensitivity in youth: does the hyperglycemic clamp suffice? *Diabetes Care*. 2013 Jun; 36 (6):1607-12. PMCID: PMC3661845. PMID: 23275361. doi: 10.2337/dc12-1508.
8. Fujiyoshi A, Sekikawa A, Shin C, Masaki K, David Curb J, Ohkubo T, Miura K, Kadowaki T, Kadowaki S, Kadota A, Edmundowicz D, Shah A, Evans RW, Bertolet M, Choo J, Willcox BJ, Okamura T, Maegawa H, Murata K, Kuller LH, Ueshima H, ERA JUMP (Electron-Beam Tomography, Risk Factor Assessment Among Japanese and U.S. Men in the Post-World War II Birth Cohort) Study Group. A cross-sectional association of obesity with coronary calcium among Japanese, Koreans, Japanese Americans, and U.S. whites. *European Heart Journal Cardiovascular Imaging*. 2013 Sep; 14 (9):921-7. PMCID: PMC3738098. PMID: 23764486.
9. Sekikawa A, Willcox BJ, Usui T, Carr JJ, Barinas-Mitchell EJ, Masaki KH, Watanabe M, Tracy RP, Bertolet MH, Evans RW, Nishimura K, Sutton-Tyrrell K, Kuller LH, Miyamoto Y. Do differences in risk factors explain the lower rates of coronary heart disease in Japanese versus U.S. women? *Journal of Women's Health (2002)*. 2013 Nov; 22 (11):966-77. PMCID: PMC3820126. PMID: 24073782.
10. Althouse AD, Abbott JD, Forker AD, Bertolet M, Barinas-Mitchell E, Thurston RC, Mulukutla S, Aboyans V, Brooks MM, BARI 2D Study Group. Risk factors for incident peripheral arterial disease in type 2 diabetes: results from the Bypass Angioplasty Revascularization Investigation in type 2 Diabetes (BARI 2D) Trial. *Diabetes Care*. 2014; 37 (5):1346-52. PMCID: PMC3994929. PMID: 24595631. doi: 10.2337/dc13-2303.
11. Gingo MR, Balasubramani GK, Rice TB, Kingsley L, Kleerup EC, Detels R, Seaberg EC, Greenblatt RM, Holman S, Huang L, Sutton SH, Bertolet M, Morris A. Pulmonary symptoms and diagnoses are associated with HIV in the MACS and WIHS cohorts. *BMC Pulmonary Medicine*. 2014; 14:75. PMCID: PMC4021087. PMID: 24884738. doi: 10.1186/1471-2466-14-75.
12. Sekikawa A, Miura K, Lee S, Fujiyoshi A, Edmundowicz D, Kadowaki T, Evans RW, Kadowaki S, Sutton-Tyrrell K, Okamura T, Bertolet M, Masaki KH, Nakamura Y, Barinas-Mitchell EJ, Willcox BJ, Kadota A, Seto TB, Maegawa H, Kuller LH, Ueshima H, ERA JUMP Study Group. Long chain n-3 polyunsaturated fatty acids and incidence rate of coronary artery calcification in Japanese men in Japan and white men in the USA: population based prospective cohort study. *Heart (British Cardiac Society)*. 2014 Apr; 100 (7):569-73. PMID: 24352736.
13. Bodnar LM, Abrams B, Bertolet M, Gernand AD, Parisi SM, Himes KP, Lash TL. Validity of birth certificate-derived maternal weight data. *Paediatric and Perinatal Epidemiology*. 2014 May; 28 (3):203-12. PMID: 24673550.

14. Catov JM, Bertolet M, Chen YF, Evans RW, Hubel CA. Nonesterified fatty acids and spontaneous preterm birth: a factor analysis for identification of risk patterns. *American Journal of Epidemiology*. 2014 May 15; 179 (10):1208-15. PMID: PMC4010188. PMID: 24714724. doi: 10.1093/aje/kwu037.
15. Ray KN, Bogen DL, Bertolet M, Forrest CB, Mehrotra A. Supply and utilization of pediatric subspecialists in the United States. *Pediatrics*. 2014 Jun; 133 (6):1061-9. PMID: 24799548. doi: 10.1542/peds.2013-3466.
16. Wolk R, Bertolet M, Brooks MM, Pratley RE, Sobel BE, Frye RL, Singh P, Calvin AD, Rutter MK, Mooradian AD, Somers VK, for the BARI 2D study group. Differential effects of insulin sensitization and insulin provision treatment strategies on concentrations of circulating adipokines in patients with diabetes and coronary artery disease in the BARI 2D trial. *European Journal of Preventive Cardiology*. 2014 Jul 29. PMID: 25073857.
17. Saleh AA, Ratajeski MA, Bertolet M. Grey Literature Searching for Health Sciences Systematic Reviews: A Prospective Study of Time Spent and Resources Utilized. *Evidence Based Library and Information Practice*. 2014 Aug; 9 (3):28-50. PMID: 4405801. PMID: 25914722. doi: <http://dx.doi.org/10.18438/B8DW3K>.
18. Fitzpatrick ME, Singh V, Bertolet M, Lucht L, Kessinger C, Michel J, Logar A, Weinman R, McMahan D, Norris KA, Vallejo AN, Morris A. Relationships of pulmonary function, inflammation, and T-cell activation and senescence in an HIV-infected cohort. *AIDS (London, England)*. 2014 Nov 13; 28 (17):2505-15. PMID: PMC4403864. PMID: 25574956. doi: 10.1097/QAD.0000000000000471.
19. Kurta ML, Edwards RP, Moysich KB, McDonough K, Bertolet M, Weissfeld JL, Catov JM, Modugno F, Bunker CH, Ness RB, Diergaarde B. Prognosis and conditional disease-free survival among patients with ovarian cancer. *Journal of Clinical Oncology : Official Journal of The American Society of Clinical Oncology*. 2014 Dec 20; 32 (36):4102-12. PMID: PMC4265120. PMID: 25403208. doi: 10.1200/JCO.2014.55.1713.
20. Nagasawa SY, Ohkubo T, Masaki K, Barinas-Mitchell E, Miura K, Seto T, El-Saed A, Kadowaki T, Willcox BJ, Edmundowicz D, Kadota A, Evans RW, Kadowaki S, Fujiyoshi A, Hisamatsu T, Bertolet MH, Okamura T, Nakamura Y, Kuller LH, Ueshima H, Sekikawa A, ERA-JUNP Study Group. Associations between Inflammatory Markers and Subclinical Atherosclerosis in Middle-aged White, Japanese-American and Japanese Men: The ERA-JUMP Study. *Journal of Atherosclerosis and Thrombosis*. 2015; 22 (6):590-8. PMID: PMC4449327. PMID: 25445888. doi: 10.5551/jat.23580.
21. Thirumala PD, Kumar H, Bertolet M, Habeych ME, Crammond DJ, Balzer JR. Risk factors for cranial nerve deficits during carotid endarterectomy: a retrospective study. *Clinical Neurology and Neurosurgery*. 2015 Mar; 130:150-4. PMID: 25621710. doi: 10.1016/j.clineuro.2014.12.017.
22. Ray KN, Chari AV, Engberg J, Bertolet M, Mehrotra A. Opportunity costs of ambulatory medical care in the United States. *The American Journal of Managed Care*. 2015 Aug; 21 (8):567-74. PMID: 26295356.
23. Bittner V, Bertolet M, Barraza Felix R, Farkouh ME, Goldberg S, Ramanathan KB, Redmon JB, Sperling L, Rutter MK, BARI 2D Study Group. Comprehensive Cardiovascular Risk Factor Control Improves Survival: The BARI 2D Trial. *Journal of The American College of Cardiology*. 2015 Aug 18; 66 (7):765-73. PMID: PMC4550809. PMID: 26271057. doi: 10.1016/j.jacc.2015.06.019.

24. Ristau BT, Tomaszewski JJ, Chen YF, Bertolet M, Woldemichael E, Nelson JB. Prostate biopsy perineural invasion is not independently associated with positive surgical margins following radical retropubic prostatectomy. *World Journal of Urology*. 2015 Sep; 33 (9):1269-74. PMID: 25366883. doi: 10.1007/s00345-014-1430-2.
25. Ray KN, Chari AV, Engberg J, Bertolet M, Mehrotra A. Disparities in Time Spent Seeking Medical Care in the United States. *JAMA Internal Medicine*. 2015 Dec; 175 (12):1983-6. PMID: 26437386. doi: 10.1001/jamainternmed.2015.4468.
26. Bertolet M, Brooks MM, Bittner V. Tree-based identification of subgroups for time-varying covariate survival data. *Statistical methods in medical research*. 2016 Feb; 25 (1):488-501. PMID: 23070595. doi: 10.1177/0962280212460442.
27. Wolk R, Bertolet M, Singh P, Brooks MM, Pratley R, Frye R, Mooradian A, Rutter M, Calvin A, Chaitman B, Somers V. Prognostic Value of Adipokines in Predicting Cardiovascular Outcome- Explaining the Obesity Paradox. *Mayo Clinic Proceedings*. 2016 Mar 23. (accepted).

Published Abstracts

1. Bertolet M, Seltman H, Greenhouse J, Kelleher K. Issues in the analysis of Complex Survey Data: Design-Based vs. Model-Based Approaches [abstract]. 2004 Mar; Eastern North American Region of the International Biometrics Society, Pittsburgh, PA 2004.
2. Bertolet M, Seltman H, Greenhouse J, Kelleher K. Inclusion of Sampling Weights in Mixed-Effects Models: A Comparison of Two Methods [abstract]. 2004 Aug; Joint Statistical Meetings, Toronto, CANADA 2004.
3. Orchard TJ, Robertson D, Bertolet M, Otvos J, Donner T, Ooi T, Pambianco G, Rana J, Smith D, Zoiopoulos L. Insulin Sensitizing Therapy Compared To Insulin Providing Therapy for Type 2 Diabetes Mellitus: Effects on Low density Lipoprotein Particle Characteristics by Nuclear Magnetic Resonance Lipoprofile III. [abstract]. *Journal of the American College of Cardiology*. 2010.
4. Bittner V, Bertolet M, Farkouh M, Goldberg S, Ramanathan K, Redmon B, Sperling L, Rutter M. Risk Factor Control in the Bypass Angioplasty Revascularization Investigation 2 Diabetes (BARI 2D) Trial. [abstract]. *Circulation*. 2010.
5. Bertolet M. To Weight or Not To Weight: A Survey Sampling Simulation Study [abstract]. 2010 Mar; Eastern North American Region of the International Biometric Society, New Orleans, LA 2010.
6. Bertolet M. Incorporating Sampling Designs into a Grade of membership (GoM) Model [abstract]. 2010 Aug; Joint Statistical Meetings, Vancouver, CANADA 2010.
7. Bittner V, Bertolet M, Barraza R, Farkouh M, Goldberg S, Ramanathan K, Redmon B, Sperling L, Rutter M. Comprehensive Risk Factor Control Improves Survival: The Bypass Angioplasty Revascularization Investigation 2 Diabetes. [abstract]. *Circulation*. 2011.
8. Bertolet M, Brooks MM, Bittner V. Tree-Based Identification of Subgroups for Time-Varying Covariate Survival Data [abstract]. 2011 Mar; Eastern North American Region of the International Biometric Society, Miami, FL 2011.
9. Bertolet M. Rule of Thumb Regarding the use of Weights in Survey Sampling [abstract]. 2011 Aug 2 ; Joint Statistical Meetings, Miami FL 2011.

10. Bertolet M, Pressman A, Jacobson A. Implementation and Diagnostics for Frequentist and Bayesian Interim Monitoring: Sequential Bounds and Chain Convergence in SAS [abstract]. 2012 May; Society for Clinical Trials, Miami, FL 2012.
11. Pressman A, Bertolet M, Jacobson A. Interpretation and results Comparing Frequentist and Bayesian Interim Monitoring: Survival and Continuous Outcomes [abstract]. 2012 May; Society for Clinical Trials, Miami FL 2012.
12. Salah A, Ratajeski MA, Bertolet M. Grey Literature Searching in Health Sciences Systematic reviews - A Survey Study. [abstract]. 2012 May 20 ; Medical Library Association, Seattle WA 2012.
13. Fitzpatrick M, Gingo MR, Bertolet M, Lucht L, Busch M, Kessinger C, Camp D, Wang J, Ireland A, Weinman R, McMahan DD, Morris A. Circulating macrophage activation marker sCD163: associations with pulmonary function in HIV-infected persons [abstract]. 2013; Philadelphia, PA 2013.
14. Catov J, Bertolet M, Chen Y, Evans RW. Non-Esterified Fatty Acids and Spontaneous Preterm Birth: Factor Analysis to Identify Possible Patterns of Risk [abstract]. Reproductive Sciences. 2013 Mar; 20:121A.
15. Keshari V, Clarke A, Ries J, Lucht L, Bertolet M, Michaels M, Finkelman M, Morris A. Microbial Translocation in Pediatric HIV [abstract]. 2013 Oct; Pittsburgh 2013.
16. Davis A, Nayak S, Bertolet M, Rapakko S, Menke M. Pre-Referral Practice Patterns of the General OB/GYN: Patient Characteristics that Influence Treatment and Evaluation [abstract]. 2014; 2014.
17. Vishnu A, Sekikawa A, Willcox B, Choo J, Fujiyoshi A, Barinas-Mitchell E, Seto T, Hisamatsu T, Edmundowicz D, Torii S, Evans R, Takashima N, Bertolet M, Kadowaki T, Okamura T, Miura K, Shin C, Kuller L, Ueshima H. Brachial-ankle Pulse Wave Velocity is Independently Associated with Presence of Coronary Calcification among 1131 Healthy Middle-aged Men. The ERA JUMP Study [abstract]. Circulation. 2014.
18. Nagasawa S, Miura K, Fujiyoshi A, Kadota A, Ohkubo T, Hisamatsu T, Kadowaki S, Miyagawa N, Torii S, Zaid M, Masaki K, Barinas-Mitchell E, Bertolet M, Evans R, El-Saed A, Kuller L, Sekikawa A, Ueshima H. Relationship Of Plasma Asymmetrical Dimethylarginine To Carotid Intima-media Thickness In General Japanese Population: The ERA-JUMP And The SESSA [abstract]. Circulation. 2014.
19. Ristau B, Tomaszewski J, Woldemichael E, Bertolet M, Nelson J. Pure and Dominant Gleason Pattern 3 Prostate Cancer has Limited Invasive and Metastatic Potential [abstract]. Journal of Urology. 2014 Apr; 191 (4):e924.
20. Kurta M, Edwards R, Moysich K, McDonough K, Bertolet M, Weissfeld J, Catov J, Modugno F, Bunker C, Ness R, Diergaard B. Prognosis and Conditional Disease-Free Survival among Ovarian Cancer Patients [abstract]. Cancer Research. 2014 Oct; 74 (19).
21. Sekikawa A, Miura K, Vishnu A, Fujiyoshi A, Evans R, Kadowaki T, Edmundowicz D, Hisamatsu T, Ahuja V, Maegawa H, Bertolet M, Murata K, Okamura T, Barinas-Mitchell E, Nakamura Y, Kuller L, Ueshima H. Serum Soy Isoflavones Are Inversely Associated With Coronary Artery Calcification In A Population-based Sample Of 299 Men In Japan [abstract]. Circulation. 2015.
22. Columbus M, Barinas mitchell EJ, McQuaide B, Bai L, Bertolet M, Bodomova M, Edmundowicz D, Rodriguez B, Willcox B, Shin C, Masaki K, Sekikawa A.

Associations between Periaortic Vascular Adipose Tissue, Cardiometabolic Risk Factors and Aortic Calcification in a Multiethnic Cohort of Men from the ERA JUMP Study [abstract]. *Circulation*. 2015.

23. Davis AC, Rapakko S, Bertolet M, Menke M, Nayak S. Preinfertility Referral Patterns Patient Characteristics that Influence Evaluation and Treatment [abstract]. *Obstetrics and Gynecology*. 2015 May; 125:54S.
24. Fitzpatrick ME, Bertolet M, Kessinger C, Leo N, Camp D, Gingo MR, McMahon D, Weinman R, Kingsley L, Fong S, Stone S, Huang L, Kleerup EC, Wisniewski SR, Morris A. Use of Rosuvastatin in HIV-Associated Chronic Obstructive Pulmonary Disease: A Randomized Pilot Study [abstract]. *Antiviral Therapy*. 2015 Oct; 20:A15-A16.
25. Desai M, Niemczyk N, Catov J, Bertolet M, Barinas-Mitchell E. Structural and Functional Arterial Changes in Healthy Women Following Pregnancy [abstract]. Phoenix AZ 2016 Mar 3.

Other Publications

1. M. Bertolet, H. Seltman, J.Greenhouse, K.Kelleher. National Survey of Adolescent and Child Well-Being(NSCAW): A Comparison of Model and Design Based Analyses of Cognitive Stimulation Scores. Technical Report #772. Carnegie Mellon University, Department of Statistics. March 2003.
2. M. Bertolet. Sampling Weights, Model Misspecification and Informative Sampling: A Simulation Study. Carnegie Mellon University, Department of Statistics, Technical Report #872. January 2009.
3. M. Bertolet. Sampling Weights in a Bayesian Grade of Membership Model. Carnegie Mellon University, Department of Statistics, Technical Report #873. February 2009.

RESEARCH

Current research support

Funding Agency: NIH
Grant Number: 5K24HL123342
Title of Grant: Mentoring and Patient-Oriented Research in HIV Obstructive Lung Disease
Principal Investigator: Alison Morris
Bertolet Role on Grant: Co-Investigator
Years Inclusive: 7/2014 - 6/2019
Percent Effort: 5.0 %

Funding Agency: NIH
Grant Number: 126123
Title of Grant: Pediatric Depression and subsequent Cardiac Risk Factors: A Longitudinal Study
Principal Investigator: Marika Kovacs
Bertolet Role on Grant: Co-Investigator

Years Inclusive: 2015 - 2019
Percent Effort: 2.0 %

Funding Agency: NIH/NHLBI
Grant Number: UM1 HL120877-01
Title of Grant: Trans-Agency Research Consortium for Trauma Induced Coagulopathy (TACTIC)

Principal Investigator: Steve Wisniewski
Bertolet Role on Grant: Co-Investigator
Years Inclusive: 9/30/2013 - 6/30/2018
Percent Effort: 20.0 %
Total Direct Costs: \$647,945

Funding Agency: NIH
Grant Number: 1R01HL120398-01
Title of Grant: Translational Evaluation of Aging, Inflammation, and HIV in Lung Dysfunction

Principal Investigator: Alison Morris
Bertolet Role on Grant: Co-Investigator
Years Inclusive: 9/4/2013 - 6/30/2018
Percent Effort: 20.0 %
Total Direct Costs: \$4,857

Funding Agency: NIH
Grant Number: NIH R01HL125049-01
Title of Grant: Longitudinal evaluation of HIV-associated lung disease phenotypes

Principal Investigator: Alison Morris
Bertolet Role on Grant: Co-Investigator
Years Inclusive: 7/1/2014 - 5/30/2018
Percent Effort: 5.0 %
Total Direct Costs: \$68,096

Funding Agency: NIH
Grant Number: UL RR024153-06
Title of Grant: Clinical and Translation Science Institute DBE Core
Principal Investigator: Steve Wisniewski
Bertolet Role on Grant: Co-Investigator
Years Inclusive: 9/30/2011 - 6/30/2016
Percent Effort: 20.0 %
Total Direct Costs: \$179,848

Past research support

Funding Agency: NIH / NHLBI
Grant Number: 1T15HL09777-01

Title of Grant: Biostatistics with a focus on cardiovascular health and minority populations
 Principal Investigator: Roslyn Stone
 Bertolet Role on Grant: Co-Investigator
 Years Inclusive: 8/20/2009 - 2/28/2016
 Percent Effort: 5.0 %
 Total Direct Costs: \$247,968

Funding Agency: NIH/NHLBI
 Grant Number: R21 HL121495-01
 Title of Grant: Treatment and Risk Factor Determinants of Cardiovascular Outcomes in BARI 2D
 Principal Investigator: Maria Brooks
 Bertolet Role on Grant: Co-Investigator
 Years Inclusive: 9/19/2013 - 7/31/2015
 Percent Effort: 20.0 %
 Total Direct Costs: \$71,400

Funding Agency: NIH
 Grant Number: R01 HD041490-09
 Title of Grant: RCT on Wheeled Mobility for Preventing Pressure Ulcers
 Principal Investigator: David M Brienza
 Bertolet Role on Grant: Co-Investigator
 Years Inclusive: 9/1/2012 - 7/31/2015
 Percent Effort: 5.0 %
 Total Direct Costs: \$2,133,676

Funding Agency: Thrasher Research Fund
 Title of Grant: Maternal Obesity, Weight Gain and the Black-White Disparity in Pregnancy Outcomes
 Principal Investigator: Lisa Bodnar
 Bertolet Role on Grant: Co-Investigator
 Years Inclusive: 9/1/2011 - 8/31/2014
 Percent Effort: 5.0 %
 Total Direct Costs: \$162,177

Funding Agency: NIH/NHLBI
 Grant Number: R34 HL117344-01
 Title of Grant: Statins for Pulmonary and Cardiac Complications of Chronic HIV
 Principal Investigator: Alison Morris, M.D.
 Bertolet Role on Grant: Co-Investigator
 Years Inclusive: 9/26/2012 - 6/30/2014
 Percent Effort: 10.0 %
 Total Direct Costs: \$51,381

Funding Agency: NIH/NHLBI
 Grant Number: R21 HL114231-01

Title of Grant: Role of Microbial Translocation in Cardiopulmonary Disease
Principal Investigator: Alison Morris, M.D.
Bertolet Role on Grant: Co-Investigator
Years Inclusive: 5/18/2012 - 4/30/2014
Percent Effort: 5.0 %
Total Direct Costs: \$5,474

Funding Agency: NIH/NAIAD
Grant Number: U01 AI035041-20
Title of Grant: Mechanism of Asthma in HIV Infected Individuals
Principal Investigator: Alison Morris
Bertolet Role on Grant: Co-Investigator
Years Inclusive: 9/24/2012 - 9/24/2013
Percent Effort: 5.0 %
Total Direct Costs: \$3,756
Total Amount Awarded: \$5,728

Funding Agency: NIH/NAIAD
Grant Number: U01 AI035041-20
Title of Grant: Aging in HIV Associated Lung Dysfunction
Principal Investigator: Alison Morris
Bertolet Role on Grant: Co-Investigator
Years Inclusive: 9/23/2012 - 9/24/2013
Percent Effort: 5.0 %
Total Direct Costs: \$3,756
Total Amount Awarded: \$5,728

Funding Agency: NIH / NICHD
Grant Number: R21 HD065807-01
Title of Grant: Maternal Obesity, Weight Gain and the Black-White
Disparity in Pregnancy Outcomes
Principal Investigator: Lisa Bodnar
Bertolet Role on Grant: Co-Investigator
Years Inclusive: 6/1/2011 - 5/31/2013
Percent Effort: 5.0 %
Total Direct Costs: \$159,873

Funding Agency: Heinz Foundation
Title of Grant: Randomized Clinical Trial to Prevent Iron Deficiency in
Infants
Principal Investigator: Deborah Bogen, M.D.
Bertolet Role on Grant: Co-Investigator
Years Inclusive: 2012 - 2013
Percent Effort: 10.0 %
Total Direct Costs: \$11,244

Funding Agency: NIH / NHLBI
Grant Number: U01 HL061744-05

Title of Grant: BARI 2D Data Coordinating Center: A Trial of
Revascularization and Glycemic Control in NIDDM
Principal Investigator: Sheryl Kelsey
Bertolet Role on Grant: Faculty Statistician
Years Inclusive: 8/1/2008 - 12/31/2012
Percent Effort: 50.0 %
Total Direct Costs: \$1,554,369

Funding Agency: Kaiser Permanente
Title of Grant: Comparison of Bayesian and Frequentist Methods in
Cardiovascular Trials
Principal Investigator: Marianne H Bertolet
Bertolet Role on Grant: PI (sole)
Years Inclusive: 9/22/2010 - 8/31/2011
Percent Effort: 25.0 %
Total Direct Costs: \$24,336

OTHER SCHOLARLY ACTIVITIES

Manuscript Reviewer

2009 - Present Reviewer, Clinical Trials
2011 - Present Reviewer, American Journal of Managed Care
2011 - Present Reviewer, Sleep
2012 - Present Reviewer, Journal of the American Geriatrics Society
2013 - Present Reviewer, American Journal of Pharmacy Benefits
2013 - Present Reviewer, Statistics in Medicine
2014 - Present Reviewer, Circulation
2015 - Present Reviewer, BMC Medical Research Methodology
2015 - Present Reviewer, BMC Medical Informatics
2015 - Present Reviewer, American Journal of Psychiatry
2015 - Present Reviewer, Women's Health Issues

Grant Reviewer

2009 Reviewer, NIH/NHLBI Grand Opportunities Phase II ARRA Grants
2010 Reviewer, NIH, Science Moving Towards Research Translation and
Therapy Contract Reviews
6/2012 Internal Reviewer, Epidemiology Department Grant
4/2013 Reviewer, NIH/NIA, Secondary Analyses of Comparative
Effectiveness, Health Outcomes and Costs in Persons with Multiple
Chronic Conditions (R21)
4/2016 Reviewer, NIH/NIA Claude D. Pepper Older Americans
Independence Centers Review

INVITED PRESENTATIONS

1. Bertolet M. To Weight or Not To Weight? The Next Steps. Presented at: Survey Sampling Seminar; 2008 Dec; Carnegie Mellon University.
2. Bertolet M. To Weight or Not To Weight? Incorporating Sampling Designs into Model-Based Analyses. Presented at: Statistics Department Seminar Series; 2009 Jan; University of Pittsburgh.
3. Bertolet M. A Random Patient is Weighting: Increasing Generalizability of Clinical Trials. Presented at: Epidemiology Department Seminar Series; 2009 Mar; University of Pittsburgh.
4. Bertolet M. Effect of Cardiac Risk Factors on Clinical Outcomes in BARI 2D: Exploring Different Modeling Strategies. Presented at: Epidemiology Department Seminar Series; 2011 Mar; University of Pittsburgh.
5. Bertolet M. What the p-value?!?! Reasons I am a Bayesian and You Should be Too! Presented at: Epidemiology Department Seminar Series; 2011 Oct 20; Pittsburgh, PA.
6. Bertolet M. What the p-value?!?! Reasons I am a Bayesian and You Should be Too! Presented at: School of Health and Rehabilitation Services; 2012 Feb 22; University of Pittsburgh.
7. Bertolet M. What the p-value?!? Reasons why I'm a Bayesian and you should be too! Presented at: Health Services Research Seminar Series (CHRC, CHERP, RAND); 2012 Mar 20; University of Pittsburgh.
8. Bertolet M. Tricking Frequentist Software to Run Bayesian Analyses. Presented at: Department of Biostatistics Seminar Series; 2013 Oct 17; University of Pittsburgh.
9. Bertolet M. Probabilities and Clinical Trials: Reasons why I'm a Bayesian and you should be too! Presented at: Annual Research Meeting for Critical Care Department; 2014 Jun 3; University of Pittsburgh.
10. Bertolet M. Creating Hypotheses. Presented at: Training of Pediatric Fellows; 2015 Jan 12; Clinical and Translational Science. University of Pittsburgh.
11. Bertolet M. Response-Adaptive Trials: The Reality can be Messy. Presented at: Biostatistics Departmental Seminar; 2016 Feb 4; Pittsburgh.

OTHER PRESENTATIONS

1. Bertolet M, Junker B, Fienberg S, Seltman H, Greenhouse J. To Weight or Not To Weight: Incorporating Sampling Effects into Mixed-Effects Models. Poster presented at: Pittsburgh Chapter of the American Statistical Association; 2005 Apr; Pittsburgh, PA.
2. Saleh AA, Ratajeski MA, Bertolet M. Grey Literature Searching in Health Sciences Systematic Reviews. Poster presented at: Medical Library Association; 2012; Seattle, WA.
3. Sekikawa A, Bertolet M, Vishnu A, Ahuja V, Evans R, Kuller L, Fujiyoshi A, Hisamatsu T, Kadowaki T, Kadota A, Kadowaki S, Arima H, Miura K, Ueshima H. Significant Inverse Association of Blood Levels of Marine Omega-3 Fatty Acids with Coronary Artery Calcification in Men in Japan. Poster presented at: Epi Lifestyle 2016 - American Heart Association; 2016 Mar; Phoenix AZ.

TEACHING

Undergraduate Courses

Year(s)	Course Number & Title	Role
2001 - 2003	Statistics 36-217, Probability Theory and Random Processes for Engineers	Primary Instructor
2010 - 2015	Biostatistics 1200 (SIBS), Introduction to Biostatistical Reasoning	Primary Instructor for the Laboratory Component
2010 - 2015	Biostatistics 1201 (SIBS), Undergraduate Seminar in Biostatistical Collaboration	Facilitate Select Journal Clubs, Provide Select Seminars

Graduate Courses

Year(s)	Course Number & Title	Role
2009 - Present	Epidemiology 2181, Design of Clinical Trials	Primary Instructor
2009 - Present 2011 - 2011	Epidemiology 2215, Teaching Practicum Epidemiology 2213, Independent Study for Good Teaching Practices	Primary Instructor Primary Instructor
2012 - Present	Epidemiology 2180, Epidemiology Methods 1	Guest Lecture - Survey Sampling: Design and Analysis
2012 - Present	Epidemiology 2187, Epidemiology Methods 2	Guest Lecture on Bayesian Analysis

Continuing Education

9/12/2012	Bertolet M. Creating Hypotheses. Lecture to Pediatric Fellows, CTSI.
5/31/2013	Bertolet M. The Nuts and Bolts of Data and Safety Monitoring Reporting. Responsible Conduct of Research Series, CTSI.
11/14/2013	Bertolet M. Analyzing and Interpreting Data Ethically. Responsible Conduct of Research Training Center Workshop, Center for Translational Science.
1/6/2014	Bertolet M. Creating Hypotheses. Training of Pediatric Fellows, Clinical and Translational Science.

MENTORING AND ADVISING

Master's Students

Year(s)	Student's Name & Department/Degree/Discipline	Role
2008 - 2009	Lulu Zhang, Epidemiology MPH (2009)	Committee Member

Multicenter Clinical Trials: Leading the Way
in Coordinated Care

2011 - 2014	Jennifer Oakley, Epidemiology MPH (4/2014) Repeated Adipokine Measures in HIV Infected Men on HAART: Assessing Change in Adipokine Levels and their Correlation with Lipids over the Course of HIV Progression and Treatment	Advisor
2011 - 2015	Qilu Zheng, Epidemiology MS (2015) Plasma Biomarkers Prediction on Chronic Obstructive Pulmonary Disease Progression	Advisor
2012 - 2014	Zhenping Zhao, Epidemiology MPH (4/2014) Bone Mineral Density Loss in Women who Initiated Antihypertensive Medications During the Menopausal Transition in a Multicenter, Multiethnic, Community-Based Cohort Study: Women's Health Across the Nation (SWAN)	Advisor
2012 - 2014	Kristin Ray, Clinical Research MS (4/2014) Using National Survey Data to Characterize Pediatric Specialist Use	External Committee Member
2013 - 2013	Fangfang (Claudia) Chen, Biostatistics MS (2013) Epidemiology Research on Polycythemia Vera from 1962 to 2009	External Committee Member
2014 - Present	Chendi Cui, Epidemiology MS (expected 12/2016) Marine n-3 fatty acid intake, glutathione S-transferases (TST_ polymorphisms and colorectal cancer risk: The Singapore Chinese Health Study	Advisor
2014-2015	Gabrielle Snyder, Epidemiology Epidemiology MPH (4/2015) Associations Between BreastFeeding and Weight Change 7-15 Years PostPartum:	Advisor

Data from the POUCHmoms Study

2014-2015	Kelsey Baker, Biostatistics MS (2015) An analysis of survey data to determine significant risk factors associated with adolescent marijuana use through utilization of sample weighting methods.	External Committee Member
2014-2015	Mansi Patel Epidemiology MPH (4/2015) Structural and Functional Arterial Changes in Healthy Women following Pregnancy: Maternal Vascular Adaptations to Healthy Pregnancy II Study	Committee Member
2013-2014	Sha Wu Epidemiology 4/2014 The Impacts of Lifestyle Interventions in Bariatric Patients: A Literature Review	Committee Member
2014-2015	Jessica Bon Field Epidemiology (8/2015) Factors Associated with Longitudinal Bone Mineral Density Loss in a Tobacco-Exposed Cohort	Committee Member
2014-2015	Radhika Parekh, Health Policy and Management MHA (4/2015) How Time-Driven Activity Based Costing Reports Affect Healthcare Outcomes	External Committee Member

Doctoral Students

Year(s)	Student's Name & Department/Degree/Discipline	Role
2010 - 2010	Yoko Tanaka, Biostatistics PhD (2010) An Adaptive Two-State Dose-Response Design Method for Establishing Proof of Concept in Drug Development	External Committee Member
2011 - 2013	Andrew Althouse, Epidemiology	Committee Member

	PhD (7/2013) Peripheral Arterial Disease: Prevention, Risk Factors and Detection	
2011 - 2013	Michelle Kurta, Epidemiology PhD (6/2013) Ovarian Cancer Epidemiology: Risk, Diagnosis and Prognosis	Committee Member
2012 - 2014	Sondra Balouris, Rehabilitation Science and Technology PhD (4/2014) Development and Validation of the Cerebral Performance Categories - Revised (CPC-R)	External Committee Member
2012 - 2014	Marc Ye Tian, Epidemiology Ph.D. (4/2014) Using Classification Trees to identify Risk Factors for Chronic and Acute Pancreatitis	Committee Member
2013 - Present	Krissy Moehling, Epidemiology PhD Associations for frailty, quality of life indicators and spirituality on immune system response to influenza vaccine in adults 50 years of age and older	Advisor
2013 - Present	Hsin-Hui (Vivien) Huang, Epidemiology PhD Effects of Aromatase Inhibitors (AIs) on Risk of Cardiovascular Diseases	Advisor
2014-Present	Prerna Poojary, Rehabilitation Science and Technology, School of Health and Rehabilitation Science PhD (expected 6/2016) Wheelchair Related Fall Risk and Function in Nursing Home Residents: Factors Related to Wheelchair Fit	External Committee member

SERVICE

Service to Internal Organizations

Department Committees

2002 - 2003	Student Liaison, Department of Statistics Computer Committee, Carnegie Mellon University
2003 - 2004	Student Representative, Department of Statistics Student Advisory Committee, Carnegie Mellon University
2010 - 2010	Methodology AOC Representative, GSPH Accepted Students Day, Epidemiology Departmental Welcome
2010 - 2012	Facilitator, Statistical Methods in Epidemiology Journal Club, Department of Statistics/CTSI, Monthly
2011 - 2012	Facilitator, Epidemiology Department Marketing/Web-Site Committee
1/2015 - Present	Member, Preliminary Exam Committee

School/University Committees

2003 - 2004	Statistics Department Liaison, Graduate Student Assembly, Carnegie Mellon University
2010 - 2010	Provide Tour of Epidemiology Data Center, GSPH Accepted Students Day
2011 - Present	Judge, Dean's Day Poster Competition
2013 - Present	Member, Public Health Exam for Biostatistics Department

Service to External Organizations

Professional Practice

2011 - 2012	Member ACCF/AHA Methodology Workshop on Guideline Development and Methodology Review, American College of Cardiology, Member of Workgroup 3 - Standards for Finding and Assessing Individual Studies.
2013 - 2014	President, Pittsburgh Chapter of the American Statistical Association

Other Professional Activities

2012 - 2013	Institutional Data and Safety Monitoring Board for the Effect of UltraFiltration on Clinical Outcomes and Health-Related QoL in Cardiorenal Failure by Kelly Liang
2012 - 2015	Institutional Data Safety and Monitoring Board for the Patient-Provider Communication in Pregnancy Care study by Dr. Judy Chang.
2013 - 2015	Institutional Data Safety and Monitoring Board for the Effect of Protocolized Diuretic Strategy on Clinical Outcomes and Health Related Quality of Life in Cardiorenal Failure: a Randomized Trial (ProDiuS) study by Dr. Kelly Liang.
2013 - Present	Institutional Data Safety and Monitoring Board for the Effect of Treatment of OSA on Diabetes Self Management and Glycemic Control: Diabetes OSA Treatment Trial (DOTT) Trial by Elieen Chasens.

8/20/2014 Facilitator / School of Public Health, Co-led a session for Plunge into Public Health for incoming students. We viewed "The Final Inch", a documentary about polio and had a discussion.

2015 - Present Institutional Data Safety and Monitoring Board for The Safety of High Dose Minocycline in the Patient Population Undergoing Carotid Revascularization. A Phase 1 Study by Lawrence Wechsler and Georgios Zenonos

2015 - Present Institutional Data and Safety Monitoring Board for the G2DM Study: Comparison of two Screening Strategies for Gestational Diabetes by Esa Davis.

2016 - Present Institutional Data and Safety Monitoring Board for Early Rehabilitation Protocol in the Pediatric ICU for Children with Acute Brain Injury - Data Coordinating Center by Ericka Fink