

Catherine A. Richards, PhD, MPH

Date of preparation: March 12, 2015

CONTACT INFORMATION

HICOR | Hutchinson Institute for Cancer Outcomes Research
Fred Hutch Cancer Research Center
1110 Fairview Ave N
PO Box 19024, M3-B147
Seattle, WA 98109-1024
Office: 206-667-7453
Email: crichar2@fredhutch.org
Website: www.catherineArichards.com
Twitter: [@dotdataviz](https://twitter.com/dotdataviz)

EDUCATION

September 2008-April 2014

Columbia University
Mailman School of Public Health
Ph.D in Epidemiology
Dissertation: "*The effect of hospital financial distress on immediate breast reconstruction*"

September 2006-May 2008

Columbia University
Mailman School of Public Health
M.P.H. in Epidemiology
Thesis: "*Hemodilution of prostate-specific antigen levels among obese men*"

September 2003-May 2006

University of Pennsylvania
B.A. cum Laude in History and Sociology of Science

ACADEMIC APPOINTMENTS

September 2014-present

Staff Scientist (equivalent to Assistant Research Professor)
Hutchinson Institute for Cancer Outcomes Research, Fred Hutch Cancer Research Center

September 2014-present

Adjunct Assistant Professor
Department of Epidemiology, Mailman School of Public Health, Columbia University

May 2014-August 2014

Associate Research Scientist and lecturer
Department of Epidemiology, Mailman School of Public Health, Columbia University

Fall 2013

Lecturer
Executive MS in Epidemiology Program, Mailman School of Public Health, Columbia University

Fall 2010, Winter 2013

Adjunct Lecturer
CUNY School of Public Health at Hunter College

SELECTED HONORS AND AWARDS

- Anna C. Gelman dissertation award for excellence in epidemiology, 2014
- American Society of Clinical Oncology Merit Award, 2012
- Best Pre-Doctoral Trainee poster award, American Society of Preventive Oncology conference. March 2010

PROFESSIONAL AFFILIATIONS

- Association of Health Care Journalists (2013-present)
- Healthcare Financial Management Association (2012-present)
- Society for Epidemiologic Research (2011-present)
- New York Academy of Medicine (2010-2014)
- American Society of Preventive Oncology (2008-2014)

SERVICE

- Secretary, Society for Epidemiologic Research: Student and Postdoc Committee (2012-2013)
- Semi-finalist Judge, Young Epidemiology Scholars (YES) competition, 2011

COMMITTEES

Columbia University

- Member, Executive Board for Curriculum Renewal, Mailman School of Public Health (2011-2013)
- Master's Student Liaison, Department of Epidemiology, Mailman School of Public Health (2011-2013)
- Member, Search Committee for Director of Student Affairs, Mailman School of Public Health (2011)
- Co-Chair, Student Advisory Committee, Mailman School of Public Health (2010-2011)
- Student Representative, Curriculum Renewal Task Force, Mailman School of Public Health (2010-2011)
- Academic Chair, Public Health Doctoral Student Association, Mailman School of Public Health (2009-2011)
- Doctoral Student Representative, Honor Board, Mailman School of Public Health (2009-2013)
- Student Representative, Curriculum Committee, Mailman School of Public Health (2009)
- Chair, Doctoral Student Council, Department of Epidemiology, Mailman School of Public Health (2008-2013)
- Student Representative, Doctoral Committee, Department of Epidemiology, Mailman School of Public Health (2008-2012)

New York Academy of Medicine

- Co-Chair, Student Advisory Committee (2009-2011)

MENTORSHIP

- Erica Maung, Bronx High School, 2012-2014. Submitted applications to Intel and Siemens Science competitions

TEACHING

Graduate-level courses

Adjunct Assistant Professor

- Fall 2014, Presenting and Visualizing Epidemiological Data, Columbia University

Lecturer

- Fall 2013, Presenting and Visualizing Epidemiological Data, Columbia University

Adjunct Lecturer

- Winter 2013, Introduction to Multi-level Modeling, CUNY School of Public Health at Hunter College
- Fall 2010, Epidemiology Methods III, CUNY School of Public Health at Hunter College

Teaching Assistant/Seminar Leader

- Spring 2012, Epidemiology VI: Advanced Techniques in Epidemiologic Methods, Columbia University
- Fall 2011, Environmental Epidemiology, Columbia University
- Fall 2011, Epidemiology IV: Critical Thinking in Epidemiology, Columbia University
- Summer 2011, Principles of Epidemiology I, Columbia University
- Summer 2011, Introduction to Biostatistics, Columbia University
- Spring 2011, Application of Epidemiological Research Methods, Columbia University
- Fall 2010, Environmental Epidemiology, Columbia University
- Summer 2010, Principles of Epidemiology III, Columbia University
- Summer 2010, Principles of Epidemiology I, Columbia University
- Spring 2010, Principles of Epidemiology II, Columbia University
- Fall 2009, Principles of Epidemiology I, Columbia University
- Fall 2009, Principles of Epidemiology III, Columbia University
- Fall 2009, Environmental Epidemiology, Columbia University
- Summer 2009, Principles of Epidemiology III, Columbia University
- Summer 2009, Principles of Epidemiology I, Columbia University
- Fall 2008, Principles of Epidemiology III, Columbia University

Guest lectures

New York University

- Fall 2013, “Basic principles of effective data visualization”, in course: Epidemiology

Columbia University

- Spring 2012, “Introduction to Multi-level modeling”, in course: Epidemiology VI: Advanced Techniques in Epidemiologic Methods

Short courses

- Summer 2014, Principles of Effective Data Visualization, Columbia University
- Summer 2011-2013, Introduction to Multi-Level Modeling, Columbia University
- November 10-11, 2011, Multi-Level Modeling Short Course, American Cancer Society National Home Office

RESEARCH SUPPORT

Active Research Support

R01 HL116291

08/08/2012 – 07/31/2016

National Institute of Health (NIH)

Ramsey, Scott (PI)

Bone Marrow Transplant Clinical Trials Network ancillary cost-effectiveness analysis

Role: Co-investigator

Project: The parent Bone Marrow Transplant Clinical Trials Network is investigating the best graft source for adult patients requiring alternative donor cell sources for transplantation. This ancillary study will collect and evaluate cost and quality of life information from the parent project (U10 HL069294).

U54 CA153502

08/08/12 – 08/31/15

National Institute of Health (NIH)/National Cancer Institute (NCI)

Thompson, Betti (PI)

Center for Hispanic Health Promotion: Reducing Cancer Disparities

Role: Co-investigator

Project: This proposed Community Networks Program (CNP) builds on our completed CNP (2005 – 2010). It proposes to add a randomized clinical trial to assess two different approaches to motivate cervical cancer screening. Further it adds a patient navigator approach to reduce time to follow-up of an abnormal pap test. Through its four cores, the proposed Center will cover a myriad of cancer disparities and assist NCI in its endeavor to reduce such disparities.

U01 CA183081-02S1

09/25/13 – 08/31/17

Georgetown University/National Institute of Health (NIH)

Mandelblatt, Ramsey, Lieu (CO-PIs)

Optimizing personalized care using economic studies of genomic testing – Admin Supplement

Role: Co-investigator

Project: This project will augment the understanding of the use of genomic tests in community practice to inform our cost-effectiveness analysis of genomic testing. Data from approximately 1,500 women (UM1CA173642), representative of the US population, will be collected to document indications for testing characteristics of those who are tested, and treatment differences between those who are tested and those who are not.

R01 CA151251

05/01/14 – 04/30/15

National Institute of Health (NIH)

Bricker, Jonathan (PI)

Acceptance & Commitment Therapy for Smoking Cessation – Admin Supplement

Role: Co-investigator

Project: The overall aim of this 5-year project is to capitalize on the strong theoretical and promising empirical evidence for ACT as an intervention for smoking cessation by comparing the effectiveness of ACT against standard CBT counseling when both are offered with nicotine replacement therapy (NRT) and delivered within a real world healthcare setting

Completed Research Support**1R36HS021709-01**

9/30/2012-9/29/2013

Agency for Health Care Research and Quality (AHRQ)

Richards (PI)

Hospital and County-Level Predictors of Immediate Breast Reconstruction Post-Mastectomy

Role: Principal investigator

Project: This a one year dissertation grant assessing the multi-level factors that explain differences in immediate breast reconstruction rates.

8TL1TR000082-07

8/01/2012-9/30/2012

National Center for Advancing Translational Science (NCATS)

Ginsberg (PI)

TRANSFORM TL1 Research Education Program at Columbia University

Role: Trainee

Project: The TL1 Research Education Program is intended to provide pre-doctoral students with clinical and translational research training to prepare them for an academic and clinical research career.

5T32CA0095929-23 to 24

6/01/2008-7/31/2012

National Cancer Institute (NCI)

Neugut (PI)

Cancer Training Fellowship at Columbia University Mailman School of Public Health

Role: Trainee

Project: This project supports pre-doctoral and post-doctoral student training in cancer-related epidemiologic research.

PUBLICATIONS

Peer-Reviewed Research

1. A Rundle, **C Richards**, D Tang, F Perera. Lack of Association Between Physical Activity and Plasma Glutathione Peroxidase Levels. *Cancer Epi Biomarkers and Prevention*, 2008 Apr;17(4):1004-6. PMID: 18398046
2. A Rundle, **C Richards**, A Neugut. Body Composition, Abdominal Fat Distribution and PSA Test Results. *Cancer Epi Biomarkers and Prevention*. 2009 Jan;18(1):331-6. PMID: 19124516

3. A Rundle, K Neckerman, L Freeman, G Lovasi, M Purciel, J Quinn, **C Richards**, N Sircar, C Weiss. Neighborhood Food Environment and Walkability Predict Obesity in New York City. *Env Health Persp.* 2009; 117 (3): 442-447. PMID: PMC2661915
4. K Neckerman, M Bader, **C Richards**, M Purciel, J Quinn, J Thomas, C Warbelow, C Weiss, G Lovasi, A Rundle. Disparities in the food environments of New York City public schools. *Am J Prev Med.* 2010. Sep; 39(3): 195-202. PMID: 20709250
5. A Rundle, M Bader, **C Richards**, K Neckerman, J Teitler. Using Google Street View to audit neighborhood environments. *Am J Prev Med.* 2011. Jan; 40(1): 94-100. PMID: PMC3031144
6. **C Richards**, A Rundle. Associations between business travel and self rated health, obesity and cardio-vascular disease risk factors from a cross-sectional study. *J Occup Env Med.* 2011. April; 53(4): 358-363. PMID: 21436731
7. **C Richards**, B Kerker, L Thorpe, C Olson, M Krauskopf, L Silver, T Weber, S Winawer. Increased screening colonoscopy rates and reduced racial disparities in the New York Citywide campaign. *Am J Gastroenterol.* 2011. Nov; 106: 1880-1886. PMID: 22056567
8. Y Park, R Bhuyan, **C Richards**, A Rundle. U.S. Social Work Practitioners' Attitudes Towards Immigrants and Immigration: Results From an Online Survey. *J Immigrant Ref Studies.* 2011. Dec; 9(4).
9. GS Lovasi, LJ Underhill, D Jack, **C Richards**, CC Weiss, A Rundle. At Odds: Concerns Raised by Odds Ratios for Continuous or Common Outcomes in Research on Physical Activity and Obesity. *Open Journal of Epi.* 2012; 5:13-17. PMID: 23002407 PMID: PMC3446823
10. L Freeman, K Neckerman, O Schwartz-Soicher, J Quinn, **C Richards**, M Bader, G Lovasi, D Jack, C Weiss, K Konty, P Arno, D Viola, B Kerker, A Rundle. Neighborhood Walkability and Active Travel (Walking and Cycling) in New York City. *J Urban Health.* Aug 2013; 90(4):575-85. PMID: 22941058 PMID: PMC3732693
11. A Rundle, **CA Richards**, O Schwartz-Soicher, G Lovasi, C Weiss, K Neckerman, M Bader, K Lee. Individual- and school-level socio-demographic predictors of obesity among New York City public school children. *American Journal of Epidemiology.* Dec 2012; 176(11):986-94. PMID: 23132672 PMID: PMC3626053
12. A Rundle, **C Richards**, D Sheehan, C Neslund-Dudas, D Tang, B Rybicki. Neighborhood Socio-economic Status and Individual Smoking Status Interact to Predict PAH-DNA Adduct Levels in Prostate Tissue. *Env Mol Mutagenesis.* 2012 Jun;53(5):384-91. PMID: 22467358
13. DL Hershman, AI Neugut, **CA Richards**, K Kalinsky, AS Charles, JD Wright. Influence of hospital factors, physician factors and type of health insurance on receipt of immediate post mastectomy reconstruction in young women with breast cancer. *B Ca Res Treat.* 2012 Nov;126(2):535-45. PMID: 23053659
14. HK Perera, CV Ananth, **CA Richards**, AI Neugut, SN Lewin, YS Lu, TJ Herzog, DL Hershman, JD Wright. Variation in ovarian conservation in women undergoing hysterectomy for benign indications. *Obstet Gynecol.* 2013 Apr;121(4):717-26. PMID: 23635670
15. D Jack, K Neckerman, O Soicher-Schwartz, GS Lovasi, J Quinn, **C Richards**, M Bader, C Weiss, K Konty, P Arno, D Viola, B Kerker, A Rundle. Socio-economic status, neighbourhood food environments and consumption of fruits and vegetables in New York City. *Public Health Nutr.* July 2013; 16(7): 1197-205. PMID: 23388104 PMID: PMC3696996
16. MD Bader, O Schwartz-Soicher, D Jack, CC Weiss, **CA Richards**, JW Quinn, GS Lovasi, KM Neckerman, AG Rundle. More neighborhood retail associated with lower obesity among New York City public high school students. *Health Place.* Sep 2013; 23: 104-10. PMID: 23827943 PMID: PMC4088344
17. BE Zacharia, SS Bruce, AM Carpenter, ZL Hickman, KA Vaughan, **C Richards**, WE Gold, G Appelboom, RA Solomon, ES Connolly. Variability in outcome after elective cerebral aneurysm repair in high-volume academic medical centers. *Stroke.* 2014 May; 45(5): 1447-52. PMID: 24668204

18. SJ Mooney, **CA Richards**, AG Rundle. There goes the neighborhood effect: bias owing to nondifferential measurement error in the construction of neighborhood contextual measures. *Epidemiology*. 2014 Jul;25(4):528-35. PMID: 24815303.
19. M Cerda, **C Richards**, GH Cohen, JR Calabrese, I Liberzon, M Tamburrino, S Galea, KC Koenen. Civilian stressors associated with alcohol use disorders in the national guard. *Am J Prev Med*. 2014 Oct;47(4):461-6. PMID: 25089013; PMCID: PMC4171186.
20. K Walsh, S Galea, M Cerda, **C Richards**, I Liberzon, M Tamburrino et al. Associations between Unit Support and Deployment-Related Sexual Harassment and Assault among National Guard Service Members. *Womens Health Issues*. 2014 Nov-Dec;24(6):600-4. PMID: 25442705.
21. JD Wright, AI Tergas, CV Ananth, WM Burke, AI Neugut, **CA Richards**, DL Hershman. Relationship between surgical oncologic outcomes and publically reported hospital quality and satisfaction measures. *J Natl Cancer Inst*. 2015 Jan 24;107(3). PMID: 25618899

Academic Commentary and Debate

1. A Rundle, **C Richards**, A Neugut. Letter to the Editor: Hemodilution of prostate-specific antigen levels among obese men. *Cancer Epi Biomarkers and Prevention*. 2009 Aug; 18(8): 2343. PMID: 19661096
2. **C Richards**. Letter to the Editor: Spontaneous Regression of Breast Cancer. *Arch Int Med*. 2009; 169 (10): 996. PMID: 19468095