

AMY H. AUCHINCLOSS

CONTACT INFORMATION

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EDUCATION

PHD	University of Michigan, Ann Arbor, MI	Epidemiology (2006)
MPH	Columbia University, New York, NY	Population and Family Health
BA	Wesleyan University, Middletown, CT	History

ACADEMIC AND RESEARCH APPOINTMENTS

ASSOCIATE PROFESSOR <i>Dept. of Epidemiology and Biostatistics, School of Public Health, Drexel University</i>	SEP 2014 - PRESENT <i>Philadelphia, PA</i>
ASSISTANT PROFESSOR <i>Dept. of Epidemiology and Biostatistics, School of Public Health, Drexel University</i>	SEP 2008 – AUG 2014 <i>Philadelphia, PA</i>
ASSISTANT RESEARCH SCIENTIST <i>Dept. of Epidemiology, School of Public Health, University of Michigan</i>	NOV 2007 – AUG 2008 <i>Ann Arbor, MI</i>
POSTDOCTORAL FELLOW <i>Dept. of Epidemiology, School of Public Health, University of Michigan</i>	SEP 2006 – OCT 2007 <i>Ann Arbor, MI</i>
RESEARCH ASSISTANT <i>Dept. of Epidemiology, School of Public Health, University of Michigan</i>	JAN 2003 - AUG 2006 <i>Ann Arbor, MI</i>
RESEARCH SCIENTIST (SUPERVISING) <i>New York City Department of Health, Division of Environmental Health, Lead Poisoning Prevention Program</i>	JAN 2001 - DEC 2002 <i>New York, NY</i>
RESEARCH FELLOW <i>National Center for Health Statistics, Centers for Disease Control and Prevention</i>	AUG 1998 - NOV 2000 <i>Hyattsville, MD</i>
RESEARCH ASSISTANT <i>Dept. of Population and Family Health, School of Public Health, Columbia University</i>	JAN 1997 - AUG 1997 <i>New York, NY</i>

COMMUNITY APPOINTMENTS

PROGRAM EVALUATOR <i>Brooklyn Perinatal Network, Inc.</i>	1997 - 1998 <i>Brooklyn, NY</i>
HARM REDUCTION PROGRAM COORDINATOR <i>Greenwich House Inc., Methadone Treatment Program and HIV/AIDS Services</i>	1994 - 1996 <i>New York, NY</i>

SERVICE – INTERNAL, DREXEL UNIVERSITY

Member, Department of Epidemiology & Biostatistics, Curriculum Committee, Sept 2017 – present
Co-lead, Data and Research Core, Urban Health Collaborative, Sept 2015 – present
Chair, MPH Admissions Committee, Sept 2014 – March 2016
Member, MPH Admissions Committee, March 2016 – August 2016
Member, Department of Epidemiology and Biostatistics faculty search committee, 2015-2016.
Member, Epidemiology PhD Program and Admissions, Jan 2011 – August 2015.
Member, Department of Epidemiology and Biostatistics chair search committee, 2014-2015.
Member, Task Force on the Future of Computing at Drexel, a group convened by the Program Alignment and Review Committee, Jan 2013 - May 2013.
Member, Department of Community Health and Prevention faculty search committee, 2012.
Ad-hoc advisor to Drexel Office of University Wellness regarding program planning and evaluation. Jan 2011-present
Ad-hoc judge for Drexel Research Day, 2012 and 2013.
Organized meetings for junior faculty to strategize on how to simultaneously educate/mentor masters students while advancing faculty research, 2012 and 2013.
Department of Epidemiology & Biostatistics Website Redesign. Supervised six-month augmentation of the department's website. Recruited and supervised 2 part-time students, Nov 2009-Apr 2010.
Department of Epidemiology & Biostatistics Food Policy. Initiated review and recommendations for the department's food purchase policy, Feb-June 2010.
Member, Epidemiology Curriculum/Course Planning, formally convened Feb-June 2010; at present ad-hoc.
Member, Education Committee. School of Public Health Strategic Plan. Dec 2008-May 2009.
Preliminary assessment of steps needed to offer University-wide Geographic Information System support (centralized purchase/site license as well as technical support).
Worked with Information Resources and Technology to assess server capabilities at School of Public Health and Center City student computing needs 2009-2011.
Ad-hoc member of Community Based Masters Program Oversight Committee 2009-2011.
Ad-hoc member of Drexel's "Sustainability Council" and advocated internally and externally for bicycle parking at Center City Campus 2009-2011.

SERVICE – EXTERNAL

Grant Review (descending order)

National Institute of Health; Special Emphasis Panel/Scientific Review Group 2018/05 ZRG1 RPHB-N (56) for “U.S. Tobacco Control Policies to Reduce Health Disparities”. March 2018

National Institute of Health, Review Branch, National Institute of Diabetes and Digestive and Kidney Diseases; special emphasis review for ongoing “PAR 12-257, Time-Sensitive Obesity Policy and Program Evaluation (R01)”. Oct 2016.

National Institute of Health, Social Sciences and Population Studies (B) Study Section, (R03/R21/R01)". Feb 2016.

National Institute of Health, National Institute of Diabetes and Digestive and Kidney Diseases; special emphasis review for "PAR 12-257, Time-Sensitive Obesity Policy and Program Evaluation (R01)". Oct 2015.

Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP), Division of Diabetes Translation (DDT); special emphasis review panel for "RFA DP15-001: Natural Experiments of the Impact of Population-targeted Health Policies to Prevent Diabetes and its Complications". May 2015.

National Institute of Health, National Institute of Diabetes and Digestive and Kidney Diseases; special emphasis review for "PAR 12-257, Time-Sensitive Obesity Policy and Program Evaluation (R01)". Jan 2015.

National Institute of Health, National Institute of General Medical Sciences (NIGMS); special emphasis review panel for "R01, Modeling Social Behavior" (ZGM1 BBCB-9). Participated July 2012, July 2014, Jan 2015.

National Institute of Health, National Institute of Diabetes and Digestive and Kidney Diseases; Kidney, Nutrition, Obesity and Diabetes Study Section. February 2012.

Grant Review for Clinical and Translational Science, University of Illinois at Chicago. June 2011.

European Research Council; review panel for Starting Grants submitted to the "Environment and Society" Section. Brussels, May 2011.

National Center on Minority Health and Health Disparities (NCMHD); review panel for "R01, Applications that propose innovative translational and trans-disciplinary interventions on social determinants of health". July 2010.

Heart and Stroke Foundation of Canada /Canadian Institutes of Health Research review panel for "Built Environment: Population Health Intervention Research". March 2010.

National Institute of Environmental Health Sciences (NIEHS) & The National Center for Environmental Research of the U.S. Environmental Protection Agency (EPA); review panel for "P01 and P20, Centers for Children's Environmental Health and Disease Prevention Research". July 2009.

National Institute of Health, Special Emphasis Panel/Scientific Review Group ZHD1 DSR-M. "R01, Innovative Computational and Statistical Methodologies for the Design and Analysis of Multilevel Studies on Childhood Obesity". February 2009.

U.S. Environmental Protection Agency, EPA STAR Grant T1; review panel for "Innovative Approaches to Particulate Matter Health, Composition, and Source Questions". January 2008.

The College Board (supported by The Robert Wood Johnson Foundation); review panel for "Young Epidemiology Scholars Competition". Feb-Mar 2007.

External Committees

Ad-Hoc, Measures Registry Review, the National Collaborative on Childhood Obesity Research (NCCOR). Washington, DC. Nov 2010.

Participant, Envision September Summit. National Collaborative on Childhood Obesity Research (NCCOR). Washington, DC. Sept 2010.

Participant, Research advisory team to plan evaluations of Philadelphia's Communities Putting Prevention to Work Nutrition and Physical Activity Initiative (an initiative funded by Centers for Disease Control and Prevention funded under the American Recovery and Reinvestment Act Prevention and Wellness Initiative). Philadelphia Department of Public Health, Philadelphia, PA; April-June 2010.

Participant, "Multi-level agent-based modeling and population health." Confluence team convened by Altarum Institute, Ann Arbor, MI, May 2010.

Participant, National Fresh Food Evaluation Panel. The Food Trust and Fresh Food Financing Initiative. Philadelphia, PA. June-Sept 2009.

Journal Review

American Journal of Clinical Nutrition, American Journal of Epidemiology, American Journal of Preventive Medicine, Archives of Internal Medicine, BMC Health Services Research, British Medical Journal, Circulation, Environmental Health Perspectives, Environmental Research, Epidemiology, Epi Perspectives & Innovations, Health & Place, International Journal of Behavioral Nutrition and Physical Activity, International Journal of Epidemiology, Journal of Epidemiology and Community Health, PloS ONE, Public Health Nutrition, Social Science and Medicine

TEACHING

Lead instructor - Drexel University

PBHL 833: Epidemiology PhD Seminar II, 2009-2010 (Fall, Winter, Spring)
PBHL 833: Epidemiology PhD Seminar II, 2010-2011 (Winter)
PBHL 833: Epidemiology PhD Seminar II, 2011-2012 (Winter)
PBHL 822: Epidemiology of the Built Environment (an independent study), 2011-2012 (Spring)
PBHL 833: Epidemiology PhD Seminar II, 2012-2013 (Winter)
PBHL 833: Epidemiology PhD Seminar II, 2013-2014 (Winter)
PBHL 833: Epidemiology PhD Seminar II, 2014-2015 (Winter)
PBHL 833: Epidemiology PhD Seminar II, 2015-2016 (Spring)
PBHL 630: Intermediate Epidemiology 2014-2015 (Fall)
PBHL 630: Intermediate Epidemiology 2015-2016 (Fall)
EPI 800: Epidemiology PhD Seminar II, 2017-2018 (Winter)
EPI 560: Intermediate Epidemiology 2017-2018 (Spring)
EPI 560: Intermediate Epidemiology 2018-2019 (Fall)

Guest lecturer - Drexel University

AY 2017-2018

“Overview of the Urban Health Collaborative geographic data & research activities” Philadelphia Department of Public Health.

“Overview of the Urban Health Collaborative geographic data & research activities” Drexel College of Medicine.

AY 2015-2016

In-service Presentation: "Variable selection methods: focus on diagrams"
Epidemiology and Biostatistics Monthly Department Meeting

AY 2008-2009

Grand Rounds for Medical Toxicology Fellows, Emergency Medicine Division of Medical Toxicology, College of Medicine
PBHL 647: Occupational & Environmental Epidemiology.

AY 2009-2010

Research Presentation to Dean's Advisory Council. April 2010
Making Scientific Posters. Workshop for 2nd year MPH students. May 2010.
Departmental presentation to admitted MPH students. Admitted Students Day; May 2010.

AY 2010-2011

PBHL 671: Theory and Practice of Community Health Promotion
EOH Research Seminar Series: "Evidence of neighborhood level influences on obesity and type 2 diabetes and the policy implications of this work"

AY 2011-2012

UNIV 241: The Great Works Symposium
PBHL 640: Environmental and Occupational Health. Lecture: "Environmental influences on obesity and type 2 diabetes"

AY 2014-2015

PBHL 640: Environmental and Occupational Health. Lecture: "Built environment effects on physical activity"

ADVISING/MENTORING

NIH K Grant Research Mentor

Kiarri Kershaw, PhD (Northwestern University). Funding awarded 2016. K01 Project title: "A systems science approach to understanding racial disparities in obesity"

Ka'imi A. Sinclair, PhD, MPH, 2010-present (University of Hawaii, School of Medicine Honolulu)
Project Title: Examining neighborhood risk factors for diabetes in The Hawaii Multiethnic Cohort Study

Doctoral Student (Committee Member or Chair)

Shaum Kabadi, MPH, PhD (successfully defended August 2012)
Defended: "Association Between Serum 25-Hydroxyvitamin D Concentration And Type 2 Diabetes Mellitus: Interaction By Race/Ethnicity And Mediation By Inflammation"

Andrea Rosso, MPH, PhD (successfully defended July 2012)
Defended: "Mobility in Older Adults: Relation to Social and Physical Environment"

Stephanie Mayne, MHS (Primary Advisor / Committee Chair, AY 2013-14 – summer 2016)
Defended: "The effect of macro-level factors (policies, prices, and neighborhood social environment) on smoking behavior in two multi-ethnic cohorts of U.S. adults"
Recipient of "Outstanding Promise" Annual Award, School of Public Health.

David Kern, MS (Primary Advisor / Committee Chair, AY 2013-14 – December 2016)
Defended: "The price of unhealthy food and its impact on diet quality, diabetes prevalence, and insulin resistance in an elderly population, and the differing effect by socioeconomic status"

Yichen Zhong, MHS (Primary Advisor / Committee Chair, AY 2016-17 – present)

Research Sponsor - Drexel University

PhD Epidemiology Paid Research Assistantship
Kristen Johnson, PhD, Summer 2010

Julia Kuder, M.A., AY 2010-2011
Dave Kern, MS, Summer 2014
Stephanie Mayne, MSH, Summer 2014, Summer 2015

MS Computer Science

Jianyu Wang, MS, AY 2014-15
Alex Nedecu, MS, AY 2015-16

MS Biostatistics Paid Research Assistantship

Lu Mao, MS, 2008-2009 and 2009-2010
Andrew Richezza, MS, 2011-2012
Alison Jervis, MS, 2012
Yu Ling, 2nd yr MS student, 2013-present
Lance Ballester, 1st-2nd yr Biostatistics research assistant, 2014-2015
Christina Fillmore, 2nd yr Biostatistics research assistant, summer 2015 and AY 2015-2016
Siyu Li, 2nd yr Biostatistics research assistant, spring-summer 2017

MPH Epidemiology Paid Research Assistantship, Practicum Sponsor, Masters Project Preceptor

Victoria Pham, MPH, Spring 2010 RA and practicum sponsor
Jennifer Awakuni, MPH, Spring 2010 practicum sponsor
Jessica Leitzsch, MPH, AY 2010-2011 RA and practicum sponsor
Samantha Bellitz, Spring-Summer 2011 RA, and practicum sponsor and masters project preceptor
Andrea Youngfert Davis, 2011- 2012 and masters project preceptor
Alexa Namba, MPH, AY 2011-2012 and masters project preceptor
Sachin Walawacher, MPH, 2011-2013, research assistant and masters project preceptor
Xiao Cong, MPH, AY 2012-13, masters project preceptor
Teresa Moore, Spring 2013, practicum sponsor
Rebecca Haden, Spring 2013, practicum sponsor
Rikki Ward, Spring-Summer 2013, RA and practicum sponsor
Eight masters students, Fall 2014, RA for field data collection
Anna Katenta, 1st yr Opening Doors sponsored intern, 2014
Michelle Klawans, 2nd MPH epidemiology research assistant, 2014
Sumaiya Kahn, Fall-Spring 2014-15, RA
Katie Raynor, Summer 2015, RA for field data collection
Katheryn Boyd-Steel, Fall 2016-17, RA
Nicole Dickerman, Fall-Spring 2016-17, RA
Saima Niamatullah Spring-Summer 2016-17, AY 2017-18, RA
Maura Adams AY 2017-18, 2018-19, RA

2nd Year M.P.H. Thesis Advisor - Drexel University

2 MPH students 2009-2010	2 Executive students 2012-2013
1 Executive student 2009-2011	5 MPH students 2013-2014 (directed thesis research)
4 MPH students 2010-2011	5 MPH students 2014-2015 (directed thesis research)
4 MPH students 2011-2012 (directed thesis research)	4 MPH students 2015-2016 (directed thesis research)
2 MPH students 2012-2013 (directed thesis research)	4 MPH students 2017-2018 (directed thesis research)
	1 Executive student 2017-2018

1st Year M.P.H. Student Advisor - Drexel University

3 students AY 2009-2010	
3 students AY 2010-2011	4 students AY 2013-2014
2 students AY 2011-2012	5 students AY 2014-2015

PUBLICATIONS

Peer Review

* indicates mentored student, staff, or post-doctoral fellow

1. **Auchincloss AH**, Michael YL, Shi J, Khan S, Ballester LS, Kuder J. Community level physical activity response to building a greenway in a disadvantaged urban community. *Journal of Physical Activity and Health*. *Under review*.
2. Pérez Ferrer C*, **Auchincloss AH**, Kroker F, de Oliveira Cardoso L, Menezes MC, Barrientos-Gutierrez T. The food environment in Latin America: a systematic review with a focus on environments relevant to obesity and related chronic diseases. *Under review*.
3. Bilal U, **Auchincloss AH**, Diez Roux AV. Neighborhood environments and diabetes risk and control. *Curr Diab Rep*. 2018;18:62.
4. Zhong Y*, **Auchincloss AH**, Lee BK, Kanter GP. The short-term impacts of the Philadelphia beverage tax on beverage consumption. *Am J Prev Med*. 2018;55:26-34.
5. Schinasi LH, **Auchincloss AH**, Forrest CB, Diez Roux AV. Using electronic health record data for environmental and place based population health research: a systematic review. *Ann Epidemiol*. 2018;28:493-502.
6. Mayne SL*, **Auchincloss AH**, Tabb LP, Stehr M, Shikany JM, Schreiner PJ, Widome R, Gordon-Larsen P. Associations of bar and restaurant smoking bans with smoking behavior in the CARDIA study: a 25-year study. *Am J Epidemiol*. 2018;187:1250-1258.
7. Adar S, Chen Y-H, Diez Roux A, **Auchincloss AH**, Park SK, Daviglius M, Szpiro A, O'Neill M, Kaufman J. Long-term exposure to airborne fine particulate matter and oxides of nitrogen and changes in blood pressure: the Multi-Ethnic Study of Atherosclerosis (MESA). *Environmental Health Perspectives*. *In press*.
8. Gronlund CJ, Sheppard L, Adar SD, O'Neill MS, **Auchincloss A**, Madrigano J, Kaufman J, Diez Roux AV. Vulnerability to the cardiovascular effects of ambient heat in six U.S. cities: results from the Multi-Ethnic Study of Atherosclerosis (MESA). *Epidemiology*. 2018. E-pub.
9. Kern DM*, **Auchincloss AH**, Stehr MF, Roux AVD, Moore LV, Kanter GP, Robinson LF. Neighborhood prices of healthier and unhealthier foods and associations with diet quality: evidence from The Multi-Ethnic Study of Atherosclerosis. *International Journal of Environmental Research and Public Health*. 2017;14:1394(E-pub pages 1-14).
10. Kern DM*, **Auchincloss AH**, Stehr MF, Diez Roux AV, Moore KA, Kanter GP, Robinson LF. Neighborhood price of healthier food relative to unhealthy food and its association with type 2 diabetes and insulin resistance: The Multi-Ethnic Study of Atherosclerosis. *Prev Med*. 2018;106:122-129. (PMID: 29206987, PMC5860514)
11. Barrientos-Gutierrez T, Moore KAB, **Auchincloss AH**, Mujahid MS, August C, Sanchez BN, Diez

- Roux AV. Neighborhood physical environment and changes in body mass index: results from The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol.* 2017;186:1237-1245
12. Mayne SL*, **Auchincloss AH**, Stehr MF, Kern DM*, Navas-Acien A, Kaufman JD, Michael YL, Roux AVD. Longitudinal associations of local cigarette prices and smoking bans with smoking behavior in the Multi-Ethnic Study of Atherosclerosis. *Epidemiology.* 2017;28:863-871. (PMID: 28817468, PMC5731651)
 13. Kern DM*, **Auchincloss AH**, Robinson LF, Stehr M, Pham-Kanter. Healthy and Unhealthy Food Prices across neighborhoods and their association with neighborhood socioeconomic status and proportion Black/Hispanic. *Journal of Urban Health.* 2017;94:494-505. (PMID: 28634777, PMC5533667)
 14. Kern DM*, **Auchincloss AH**, Robinson LF, Ballester LS*. Neighborhood variation in the price of soda relative to milk and its association with neighborhood socioeconomic status and race. *Public Health Nutrition.* 2016;19:3386-3396 [PMID: 27357494; PubMed - in process]
 15. *First 2 authors contributed equally.* Ballester LS*, **Auchincloss AH**, Robinson LF, Mayne SL*. Impact of taxes and hospitality bans on area-level variation in cigarette prices and smoking prevalence 2001-2011. *Int J Environ Res Public Health.* 2017 Mar 20;14(3). (PMID: 28335533 PMCID: PMC5369154)
 16. Mayne SL*, **Auchincloss AH**, Moore KA, Michael YL, Tabb LP, Echeverria SE and Diez Roux AV. Cross-sectional and longitudinal associations of neighbourhood social environment and smoking behaviour: the Multi-Ethnic Study of Atherosclerosis. *J Epidemiol Community Health.* 2017;71:396-403.
 17. Wang X*, **Auchincloss AH**, Barber S, Mayne SL, Griswold ME, Sims M and Diez Roux AV. Neighborhood social environment as risk factors to health behavior among African Americans: The Jackson Heart Study. *Health Place.* 2017;45:199-207.
 18. Kaiser P, **Auchincloss AH**, Moore K, Sanchez BN, Berrocal V, Allen N, Diez Roux AV. Associations of neighborhood socioeconomic and racial/ethnic characteristics with changes in survey-based neighborhood quality, 2000-2011. *Health Place.* 2016;42:30-36
 19. Whitfield GP, Wendel AM, **Auchincloss AH**. Ecological analysis of parking prices and active commuting in US cities, 2009. *Preventing Chronic Disease.* 2016;13:E123:1-3
 20. Mayne SL*, Lee BK, **Auchincloss AH**. Evaluating propensity score methods in a quasi-experimental study of the impact of menu-labeling. *PLoS ONE.* 2015;10. PMCID: PMC4682980
 21. **Auchincloss AH**, Garcia L. A brief introductory guide to agent-based modeling and an illustration from urban health research. *Cadernos de Saúde Pública (Brasil).* 2015;31:S65-S78
 22. Gavin K, Bennett A, **Auchincloss AH**, Katenta A*. A brief study exploring social equity within bicycle share programs. *Transp Letters.* 2016;8:177-180.
 23. Christine PJ, **Auchincloss AH**, Bertoni AG, Carnethon MR, Sanchez BN, Moore K, Adar SD, Horwich TB, Watson KE, Roux AVD. Longitudinal associations between neighborhood physical and social environments and incident type 2 diabetes mellitus the Multi-ethnic Study of Atherosclerosis (MESA). *JAMA Internal Medicine.* 2015;175:1311-1320
 24. Mayne SL*, **Auchincloss AH**, Michael YL. Impact of policy and built environment changes on

obesity-related outcomes: A systematic review of naturally occurring experiments. *Obesity Reviews*. 2015;16:362-375 doi: 10.1111/obr.12269.

25. Yang Y, **Auchincloss AH**, Rodriguez DA, Brown DG, Riolo R, Diez-Roux AV. Modeling spatial segregation and travel cost influences on utilitarian walking: Towards policy intervention. *Computers, Environment and Urban Systems*. 2015;51:59-69. (PMCID: PMC4342617)
26. **Auchincloss AH**, Weinberger R, Aytur S, Namba A, Ricchezza A. Public parking fees and fines: A survey of U.S. Cities. *Public Works Management and Policy*. 2015;20:49-59
27. Park SK, Adar SD, O'Neill MS, **Auchincloss AH**, Szpiro A, Bertoni A, Navas-Acien A, Kaufman JD, Roux AVD. Long-term exposure to air pollution and type-2 diabetes in a multi-ethnic cohort. *Am J Epidemiol*. 2015;181:327-336. (PMCID: PMC4339386)
28. **Auchincloss AH**, Leonberg BL, Glanz K, Bellitz S*, Ricchezza A*, Jervis A*. Nutritional value of meals at full-service restaurant chains. *J. Nutr. Educ. Behav*. 2014;46:75-81
29. Goldstein ND, **Auchincloss AH**, Lee BK. A no-cost geocoding strategy using R (letter). *Epidemiology*. 2014;25:311-313
30. **Auchincloss AH**, Mallya GG, Leonberg BL, Ricchezza A*, Glanz K, Schwarz DF. Customer responses to mandatory menu labeling at full-service restaurants. *Am. J. Prev. Med*. 2013;45:710-719.
31. Elbel B, Mijanovich T, Dixon LB, Abrams C, Weitzman B, Kersh R, **Auchincloss AH**, Ogedegbe G. Calorie labeling, fast food purchasing and restaurant visits. *Obesity*. 2013;21:2172-2179. doi 10.1002/Oby.20550. (PMCID: PMC3947482)
32. Moore K, Diez Roux AV, **Auchincloss A**, Evenson KR, Kaufman J, Mujahid M, Williams K. Home and work neighbourhood environments in relation to body mass index: The Multi-Ethnic Study of Atherosclerosis (MESA). *J Epidemiol Community Health*. 2013;67:846-853. (PMCID: PMC3779875)
33. Rosso AL*, Grubestic AH, **Auchincloss AH**, Tabb LP, Michael YL. Neighborhood amenities and mobility in older adults. *Am J Epidemiol*. 2013 Sep 1;178(5):761-9. doi: 10.1093/aje/kwt032. (PMCID: PMC3817453)
34. Hajat A, Diez-Roux AV, Adar SD, **Auchincloss AH**, Lovasi GS, O'Neill MS, Sheppard L, Kaufman JD. Air pollution and individual and neighborhood socioeconomic status: Evidence from the Multi-Ethnic Study of Atherosclerosis (MESA). *Environmental Health Perspectives*. 2013;121:1325-1333. (PMCID: PMC3855503)
35. Hicken MT, Adar SD, Roux AVD, O'Neill MS, Magzamen S, **Auchincloss AH**, Kaufman JD. Do psychosocial stress and social disadvantage modify the association between air pollution and blood pressure? The Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2013;178:1550-1562. (PMCID: PMC388274)
36. Kabadi SM*, Liu L, **Auchincloss AH**, Zakeri IF. Multivariate Path Analysis of Serum 25-hydroxyvitamin D Concentration, Inflammation and Risk of Type 2 Diabetes Mellitus. *Disease Markers*. 2013; 35(3): 187–193. (PMCID: PMC3774972)
37. Namba A*, **Auchincloss AH**, Wootan MG, Leonberg BL. Exploratory analysis of fast-food chain restaurant menus before and after implementation of local calorie-labeling policies, 2005–2011. *Prev*

38. **Auchincloss AH**, Young C, Youngfert A*, Wasson S*, Chilton M, Karamanian V. Barriers and facilitators of consumer use of nutrition labels at sit-down restaurant chains (a qualitative study using focus group data). *Public Health Nutr.* 2013;16:2138-2145
39. **Auchincloss AH**, Mujahid MS, Shen M, Michos ED, Whitt-Glover MC, Diez Roux AV. Neighborhood health-promoting resources and obesity risk (The Multi-Ethnic Study of Atherosclerosis). *Obesity* (Silver Spring). 2013;21:621-628. (PMCID: PMC3511654)
40. **Auchincloss AH**, Moore KAB, Moore LV, Diez Roux AV. Improving retrospective characterization of the food environment for a large region in the united states during a historic time period. *Health & Place.* 2012;18:1341-1347 (PMCID: PMC3501601)
41. Shoham DA, Tong L, Lamberson PJ, **Auchincloss AH**, Zhang J, Dugas LR, Kaufman JS, Cooper RS, Luke A. An actor-based model of social network influence on adolescent body size, screen time, and playing sports. *PloS one.* 2012;7:e39795. doi:10.1371/journal.pone.0039795 (PMCID: 3387251)
42. **Auchincloss AH**, Gebreab SY, Mair C, Diez Roux AV. A review of spatial methods in epidemiology, 2000-2010. *Annu. Rev. Public Health* 2012. 33:107–22. (PMCID: PMC3638991)
43. Yang Y, Diez Roux AV, **Auchincloss AH**, Rodriguez DA, Brown DG. Exploring walking differences by socioeconomic status using a spatial agent-based model. *Health & Place*, 2012;18(1):96-9. (PMCID: 3345574)
44. Rosso AL*, **Auchincloss AH**, Michael YL. The urban built environment and mobility in older adults: a comprehensive review. *Journal of Aging Research* 2011;2011:816106 (PMCID: 3134204)
45. **Auchincloss AH**, Riolo RL, Cook J, Brown DG, Diez Roux AV. An agent-based model of income inequalities in diet in the context of residential segregation. *Am J Prev Med.* 2011;40(3):303-311 (PMCID: 21335261)
46. Yang Y, Diez Roux AV, **Auchincloss AH**, Rodriguez DA, Brown DG. A spatial agent-based model for the simulation of adults' daily walking within a city. *Am J Prev Med.* 2011;40(3):353-361 (PMCID: 3306662)
47. Do DP, Diez Roux AV, Hajat A, **Auchincloss AH**, Merkin SS, Ranjit N, Shea S, Seeman T. Circadian rhythm of cortisol and neighborhood characteristics in a population-based sample: The Multi-Ethnic Study of Atherosclerosis. *Health & Place.* 2011;17(2):625-632. (PMCID: 3189702)
48. O'Neill MS, Diez-Roux AV, **Auchincloss AH**, Shen M, Lima JA, Polak JF, Barr RG, Kaufman K, Jacobs DR Jr.. Long-term Exposure to Airborne Particles and Arterial Stiffness: The Multi-Ethnic Study of Atherosclerosis (MESA). *Environ Health Perspect.* 2011: 19, 6, 844-851 (PMCID: 311482)
49. Gill EA, Curl CL, Adar SD, Allen RW, **Auchincloss AH**, O'Neill MS, Park SK, Van Hee VC, Diez Roux AV, Kaufman JD. Air pollution and cardiovascular disease in the Multi-Ethnic Study of Atherosclerosis (a review of findings). *Prog Cardiovasc Dis.* 2011 Mar-Apr;53(5):353-60. (PMID: 21414470)
50. Park SK, **Auchincloss AH**, O'Neill MS, Prineas R, Correa JC, Keeler J, Barr RG, Kaufman JD, Diez Roux AV. Particulate Air Pollution, Metabolic Syndrome and Heart Rate Variability: the Multi-Ethnic

Study of Atherosclerosis (MESA). *Environ Health Perspect*. 2010 118:1406-141. (PMCID: 2957920)

51. **Auchincloss AH**, Diez Roux AV, Shen M, Bertoni AG, Carnethon MR, Mujahid MS. Neighborhood resources for physical activity and healthy foods and incidence of type 2 diabetes. *Archives of Internal Medicine*. 2009; 169(18):1698-1704. (PMCID: 2828356).
52. Diez Roux AV, **Auchincloss AH**. Understanding the social determinants of behaviors: can new methods help? *Int J Drug Policy*. 2009;20:227-9. (PMID: 19109002)
53. **Auchincloss AH**, Diez Roux AV. A new tool for epidemiology: the usefulness of dynamic agent-models in understanding place effects on health. *Am J Epidemiol*. 2008;168(1):1-8 (PMID: 18480064)
54. **Auchincloss AH**, Diez Roux AV, Dvonch JT, Brown PL, Barr RG, Daviglius ML, Goff Jr. DC, Kaufman JD, O'Neill MS. Associations between recent exposure to ambient fine particulate matter and blood pressure in The Multi-Ethnic Study of Atherosclerosis (MESA). *Environ Health Perspect*. 2008;116(486-491). (PMCID: 2291007)
55. Diez Roux AV, **Auchincloss AH**, Franklin TG, Raghunathan T, Barr RG, Kaufman J, Astor B, Keeler J. Long-term exposure to ambient particulate matter and prevalence of subclinical atherosclerosis in the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2008;167(6):667-675. (PMCID: 18227099)
56. O'Neill MS, Diez Roux AV, **Auchincloss AH**, Franklin TG, Jacobs DR Jr, Astor BC, Dvonch JT, Kaufman J. Airborne particulate matter exposure and urinary albumin excretion: The Multi-Ethnic Study of Atherosclerosis. *Occup Environ Med*. 2008;65(8):534-540. (PMCID: 18032533)
57. **Auchincloss AH**, Diez Roux AV, Brown DG, Erdmann CA, Bertoni AG. Neighborhood resources for physical activity and healthy foods and their association with insulin resistance. *Epidemiology*. 2008;19(1):146-157. (PMCID: 18091002)
58. Tehranifar P, Leighton J, **Auchincloss AH**, Faciano A, Alper H, Paykin A, Wu S. Immigration and risk of childhood lead poisoning: findings from a case control study of New York City children. *Am. Journal of Public Health*. 2008;98(1):92-97. (PMCID: 2156073)
59. **Auchincloss AH**, Diez Roux AV, Brown DG, Raghunathan TE, Erdmann CA. Filling the gaps: spatial interpolation of residential survey data in the estimation of neighborhood characteristics. *Epidemiology*. 2007;18(4):469-478. (PMID: 17568220)
60. **Auchincloss AH**, Diez Roux AV, Brown DG, O'Meara ES, Raghunathan TE. Association of insulin resistance with distance to wealthy areas: the Multi-Ethnic Study of Atherosclerosis. *Am J Epidemiol*. 2007;165(4):389-397 (PMCID: 17148499)
61. Diez Roux AV, **Auchincloss AH**, Astor B, Barr RG, Cushman M, Dvonch T, Jacobs DR, Kaufman J, Lin X, Samson P. Recent exposure to particulate matter and C-reactive protein concentration in the Multiethnic Study of Atherosclerosis (MESA). *Am J Epidemiol*. 2006;164(5):437-448. (PMCID: 16751260)
62. **Auchincloss AH**, Hadden W. Poverty and place: the health effects of rural-urban residence and concentrated poverty. *Journal of Rural Health*. 2002;18:319-336. (PMCID: 12135153)
63. **Auchincloss AH**, Van Nostrand JF, Ronsaville D. Access to health care for older persons in the United States: personal, structural, and neighborhood characteristics. *Journal of Aging and Health*.

Scientific Reports and Commentaries

Hirsch A, Adams, M, Lucente A, Zhao Y, Moore K, Livengood K, **Auchincloss A**. Patterns of obesity and cutting meals in Philadelphia. Data Brief: Patterns of Obesity and Cutting Meals in Philadelphia. Data Brief (April 2018) <https://tinyurl.com/y7mmmfu5>. 2018;1.

Auchincloss AH, Buehler JW, Moore KA, Melly SK and Diez Roux AV. Data Brief: Alcohol outlets and violence in Philadelphia. Data Brief (January 2017) <https://tinyurl.com/y9ltlraq>. 2017;1.

Leighton J, **Auchincloss AH**, Gurnitz K, et. al. (2002). Surveillance of childhood blood lead levels, 1995-2000. New York City Department of Health. [Public report series]

Selected Media Coverage

Interviews radio, TV, and print. Example: WHYY-Radio, Reuters, US News, NY Times Health Online, online issues of Wall Street Journal, TIME and Philadelphia Inquirer as well as other online publications.

RESEARCH GRANTS

Grants received - Active

Immigrant Enclaves: Conferring Health Advantages or Creating Health Disparities in Chinese Immigrants?

Role on Grant: CoInvestigator (PIs: Carolyn Fang @Fox Chase Cancer Center and Marilyn Tseng)

Sponsor: NIH National Institute on Minority Health and Health Disparities.

Status: \$780,939 (total) for 5 years May 2018- Dec 2022

Bike Share Membership and its Effect on Physical Activity

Role on Grant: Principal Investigator

Sponsor: Philadelphia Department of Public Health; funds directed from Centers for Disease Control and Prevention "State and Local Public Health Actions (SLPHA) to Prevent Obesity, Diabetes, Heart Disease and Stroke". Contract# 1520522.

Status: \$500,000 (total) for 4 years Oct 2014- Sept 2018

What Makes Cities Healthy, Equitable And Environmentally Sustainable? Lessons from Latin America

Role on Grant: Co-Investigator (PI: Ana Diez Roux, MD, PhD, Drexel University)

Sponsor: Wellcome Trust "Our Planet, Our Health". Contract# 1520522.

Status: funded for 5 years Jan 2017- Dec 2021

Characterizing Health Impacts of Built Environments (R01)

Role on Grant: Co-Investigator (PI: Brisa Sanchez, PhD, University of Michigan)

Dates: Nov 2016 – June 2020

Sponsor: NIH /NHLBI (R01 PA-11-238)

Subcontract funding to Drexel \$248,353.

Pediatric Big Data Project

Role on Grant: Co-Investigator (PI: Christopher Forrest, MD, PhD, Children's Hospital of Philadelphia)

Dates: Nov 2016 – Dec 2019

Sponsor: Department of Health, State of Pennsylvania

Completed

Center for Integrative Approaches to Health Disparities (P60)

Role on Grant: Co-Investigator (PI: Ana Diez Roux, MD, PhD, Drexel University)

Dates: Sep 2011 – Aug 2017 (no-cost extension)

Sponsor: NIH National Institute on Minority Health and Health Disparities. P60 MD002249-05-S1
Subcontract funding \$305,968.

Neighborhoods and Cardiovascular Risk in a Multi-Ethnic Cohort

Role on Grant: Co-Investigator (PI: Lynda Lisabeth, PhD, University of Michigan)

Dates: July 2009 - June 2016 (no-cost extension)

Sponsor: NIH National Heart, Lung and Blood Institute; R01 HL071759. Subcontract funding \$302,131

GPS exposure to environments & relationships with biomarkers of cancer risk (PQA4)

Role on Grant: Consultant (PI: Jacqueline Kerr, PhD, University of San Diego)

Dates: Sept 2013-2015

Sponsor: NIH National Cancer Institute; R01CA179977-01

Drexel University's Urban Design & Health Collaborative

Role: unfunded collaborator with Drexel SPH faculty and College of Media Arts and Design.

Dates: Jan 2015 - present

Sponsor: American Institute of Architects, Design & Health Research Consortium (Washington, DC)

Modeling Obesity Through Simulation

Role on Grant: Co-Investigator (PI: David Shoham, PhD, Loyola University Chicago)

Dates: August 2009 – July 2015 (no-cost extension)

Sponsor: NIH Institute of Child and Human Development; U01 HD061978. Subcontract funding \$134,886

A Spatial Agent-Based Model of Walking Behavior in Cities

Role on Grant: Consultant (PI: Yong Yang, PhD and Ana Diez Roux, MD, PhD, University of Michigan)

Dates: August 2011– July 2014 (no-cost extension)

Sponsor: NIH National Heart, Lung and Blood Institute; R21HL106467-01A1

Small Store Surveillance Pilot Research Project

Role on Grant: Consultant

Dates: March 2011-present

Sponsor: Centers for Disease Control and Prevention Division of Nutrition, Physical Activity, and Obesity

Nutrition Labeling at Full-Service Restaurants

Role on Grant: Principal Investigator

Dates: 2011- 2012

Sponsor: Funds directed from Centers for Disease Control and Prevention (total \$207,010). Contract# 1120607.

Influence of Calorie Labeling on Food Choice

Role on Grant: Consultant (PI: Brian Elbel, PhD, New York University)

Dates: August 2009-July 2011

Sponsor: NIH National Heart, Lung, and Blood Institute; 1R01HL095935-01 (consultancy \$3,000)

Novel approaches to understanding environmental determinants of health behaviors: using agent-based

models to study the relation between spatial access to healthy food stores and diet

Role on Grant: Principal Investigator

Dates: May 2007 – Aug 2008

Sponsor: Robert Wood Johnson, Health and Society Scholars Program

Prospective Study of Atherosclerosis, Clinical Cardiovascular Disease, and Long-Term Exposure to Ambient Particulate Matter and Other Air Pollutants in a Multi-Ethnic Cohort

Role on Grant: subcontract co-investigator

Dates: September 2007 - Aug 2008

Sponsor: US Environmental Protection Agency (G3F10287, STAR)

Neighborhoods and cardiovascular risk in a multiethnic cohort

Role on Grant: Co-Investigator

Dates: September 2007 - Aug 2008

Sponsor: NIH/NHLBI (R01 HL71759-01)

Geo-Spatial Concentration of Univ. of Michigan Interdisciplinary Center on Social Inequality, Mind & Body

Role on Grant: Co-Investigator

Dates: September 2007 - Aug 2008

Sponsor: NIH (1 R24 HD047861)

PROFESSIONAL MEMBERSHIP

Society for Epidemiologic Research, International Society for Behavioral Nutrition and Physical Activity

PROFESSIONAL CONFERENCE PRESENTATIONS / INVITED TALKS

1. Auchincloss AH, Kroker F. Food environment workshop organizer and presenter: characterizing the food environment in Latin America. Biannual Meeting for the Wellcome Trust Funded Project: What makes cities health, equitable, and sustainable? Lessons from Latin America.” Antigua, Guatemala. May 2018.
2. Kern DM*, Auchincloss AH et al. Food environment, diet quality and health: an instrumental variable analysis. [Oral session] Society for Epidemiologic Research Annual Meeting, Seattle. June 2017.
3. Mayne SL*, Auchincloss AH et al. Associations of bar and restaurant smoking bans with smoking behavior in the CARDIA study. [Poster session] Society for Epidemiologic Research Annual Meeting, Seattle. June 2017.
4. Auchincloss AH. Community and individual level physical activity changes in response to changes in the built environment. [Invited talk] Sponsored by: Memorial University, Newfoundland Canada. October 2016.
5. Auchincloss AH. Spatial variation in US tobacco-related policies (prices and indoor smoking bans) and associations with smoking [Invited talk] Sponsored by: University of Otago-Wellington, New Zealand. March 2017.
6. Auchincloss AH. A cohort study in partnership with local health/transport agencies in Philadelphia PA to look at bike share membership, area-level bikeability and changes in total physical activity [Invited talk] Sponsored by: University of Otago-Wellington, New Zealand. March 2017.
7. Auchincloss AH. Linking food pricing data to US cohort data to assess associations with diet and diabetes. [Invited talk] Sponsored by: University of Otago-Wellington, New Zealand. March 2017.
8. Auchincloss AH. Linking food pricing data to US cohort data to assess associations with diet and

- diabetes. [Invited talk] Sponsored by: University of Auckland, New Zealand. March 2017.
9. Auchincloss AH. Linking a commercial dataset of food and tobacco prices to cohort data to examine associations with diet, diabetes, and tobacco use. [Invited talk] Sponsored by: Temple University, Department of Social and Behavioral Sciences. Philadelphia, PA. April. 2017.
 10. Auchincloss AH, Kroker F. Food environment workshop organizer and presenter: A proposal to use the INFORMAS conceptual framework to classify food environment/policies (FEP) and then link FEP to LA cohort/surveillance data. At “1st Biannual Meeting for the Wellcome Trust Funded Project: What makes cities health, equitable, and sustainable? Lessons from Latin America.” Bogota, Colombia. May 2017.
 11. Auchincloss AH. Studying impacts on physical activity due to changes in local built environments. [Invited talk] Healthy Communities Task Force Meeting – Focus on Active Transportation; Delaware Valley Regional Planning Commission, Philadelphia, PA. November 2015.
 12. Auchincloss AH. Evaluating the impact of mandatory menu labeling: an example from Philadelphia. [Invited talk] Sponsored by: Temple University, Center for Obesity Research and Education. Philadelphia, PA. April. 2015.
 13. Auchincloss AH. Agent-based models for studying contextual influences on dietary behaviors. [Invited talk] Complex Systems, Health Disparities & Population Health: Building Bridges. Sponsored by: Annual Meeting of the International Society for Behavioral Nutrition and Physical Activity. San Diego, CA. May 2014.
 14. Auchincloss AH. Using agent-based models for neighborhood research. [Invited talk] Complex Systems, Health Disparities & Population Health: Building Bridges. Sponsored by National Institute of Health, Office of Behavioral and Social Sciences Research. Bethesda, MD. Feb 2014.
 15. Auchincloss AH. Agent-based modeling in action. [Invited talk] Sponsored by: Temple University, Department of Criminal Justice. Philadelphia, PA. Feb. 2014.
 16. Auchincloss AH. Agent-based models for exploring questions related to obesity: Examples from studying contextual influences on behaviors. [Invited talk] Sponsored by: Columbia University Systems Science Program. New York, NY. Sept 2013.
 17. Auchincloss AH. Agent-based models for exploring questions related obesity: Examples from studying contextual influences on behaviors. [Invited talk] Sponsored by: Systems Methods for Understanding Obesity, Johns Hopkins University, Baltimore, MD. April 2013.
 18. Auchincloss AH. Agent-based models for exploring questions related obesity: Examples from studying contextual influences on behaviors. [Workshop/Invited talk] Workshop on Systems Methods for Understanding Obesity, Johns Hopkins University, Baltimore, MD. April 2013.
 19. Auchincloss AH. An agent-based model to explore why restaurant nutrition labeling falls short of its intended effect. [Invited talk] Society for Epidemiologic Research Annual Meeting, Minneapolis, MN. June 2012.
 20. Auchincloss AH. New Avenues in Social Epidemiology--Complex Systems Thinking. [Invited talk] American Diabetes Association Annual Meeting, Philadelphia, PA. June 2012
 21. Community Food Environment: Access to Healthy Food. [Invited talk] Livable Communities Conference: Building Connections to a Healthier Future. Philadelphia, PA; Oct 2011.
 22. Auchincloss AH, Cerin E. Statistics for Active Living Research. [Round Table Panel] Active Living Research Annual Conference in San Diego, CA; Feb 2011.
 23. Auchincloss AH. Neighborhood Risks for Obesity and Diabetes. [Invited talk] Regional and National Food Systems Research Meeting; Delaware Valley Regional Planning Commission, Philadelphia, PA. September 2010.
 24. Auchincloss AH, Diez Roux AV, Mujahid MS, Shen M, Michos ED, Whitt-Glover MC. Associations between lower obesity risk and environments for walking and healthy eating (MESA) [Oral presentation]. Society of Epidemiologic Research. Seattle, WA; June 2010.
 25. Auchincloss AH. Data analysis for built environment research. [Workshop]. 2010 Built Environment Assessment Training (BEAT) Institute; Philadelphia, PA; June 2010.
 26. Auchincloss AH. Agent-based modeling primer and applications to health disparities. [Invited talk &

- Workshop]. University of Pennsylvania, Health and Society Scholars; Philadelphia, PA; March 2010.
27. Auchincloss AH. Do features of residential neighborhoods alter risk for type 2 diabetes? [Invited talk]. Albert Einstein Medicine Grand Rounds; Philadelphia, PA; March 2010.
 28. Auchincloss AH. Using complex systems models to understand health behaviors within neighborhood contexts [Invited talk]. Applying Complex Systems Approaches to the Complex Processes of Behavior Change; a meeting funded by the NIH Office of Behavioral and Social Science Research; Ann Arbor, MI; January 2010.
 29. Auchincloss AH. Neighborhood influences on weight gain in the Multiethnic Study of Atherosclerosis [Invited oral presentation]. Annual scientific meeting of the Obesity Society. Phoenix, AZ; October 2008.
 30. Auchincloss AH. An agent-based model to study the relationship between spatial access to healthy food stores and diet [Oral presentation]. Society of Epidemiologic Research. Chicago, Illinois; June 2008.
 31. Auchincloss AH, Diez Roux AV. Investigating the spatial determinants of obesity and diabetes in the MESA Neighborhood Study [Invited oral presentation]. McGill Health Challenge Think Tank: Linking Biology to Behavior and Society to Enhance Obesity Prevention; Geo-Spatial Research Workshop. Montreal, Canada; 2007.
 32. Auchincloss AH, Diez Roux AV, Brown DG, O'Meara ES, Raghunathan TE. Insulin resistance is positively associated with area poverty: the Multi-Ethnic Study of Atherosclerosis [Oral presentation]. Annual conference on Cardiovascular Disease Epidemiology and Prevention, American Heart Association. Phoenix, AZ, March 2006.
 33. Goovaerts P, Auchincloss AH, Diez Roux AV. Performance comparison of spatial and space-time interpolation techniques for prediction of air pollutant concentrations in the Los Angeles area [Oral presentation]. Annual conference of the International Congress for the Society for Mathematical Geology. Liège, Belgium, September 2006.
 34. O'Neill MS, Auchincloss AH, Dvonch JT, Jacobs DJ, Kaufman JD, Astor BC, Diez-Roux AV. Short-term air pollution exposure and urinary albumin excretion in the Multi Ethnic Study of Atherosclerosis (MESA) [Poster]. Annual conference of the International Society for Environmental Epidemiology. Johannesburg, SA, September 2005
 35. Auchincloss AH, Hadden W. The health effects of rural-urban residence and concentrated poverty [Poster]. Annual meeting of the Population Association of America. Washington, D.C., March 2002.
 36. Hadden W, Auchincloss AH. The health effects of racial and economic segregation. [Poster, blue-ribbon award winner]. Annual meeting of the Population Association of America. Washington, D.C., March 2001.
 37. Auchincloss AH, Hadden W. Poverty and place: the effects of unequal social and economic development on health [Oral presentation]. Annual meeting of the Eastern Sociological Society. Baltimore, MD, March 2000.
 38. Auchincloss AH, Van Nostrand JF, Ronsaville D. Access to health care for older persons in the United States personal, structural, and neighborhood characteristics [Poster]. National Conference on Health Statistics. Washington, DC, August 1999.