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Assistant Professor
Department of Geography
University of Colorado, Boulder

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EDUCATION

2014 Ph.D. University of California, Berkeley (Environmental Health Sciences)
2007 M.P.H. University of California, Berkeley (Environmental Health Sciences)
2000 Sc.B. Brown University (Environmental Science)

ACADEMIC APPOINTMENTS

2016 - Present Assistant Professor, University of Colorado, Boulder, CO
2014– 2016 Robert Wood Johnson Health and Society Scholar, Post-Doctoral
Harvard School of Public Health, Harvard University - Cambridge, MA

Other Relevant Experience

2009-2014 Graduate Student Researcher, University of California, Berkeley
2007-2009 Association of Schools of Public Health Environmental Health Fellow, U.S. Environmental
Protection Agency, Washington, DC and San Francisco, CA
2006-2007 Graduate Student Researcher in GIS, Office of Environmental Health Hazard Assessment,
Oakland, CA
2006 Environmental Justice and Risk Assessment Intern, Office of Environmental Health Hazard
Assessment, Oakland, CA
1999 Intern in Environmental Epidemiology, London School of Hygiene and Tropical Medicine,
London UK

AWARDS AND HONORS

2013 International Society of Exposure Science Student Poster Award, Honorable Mention
2010 APHA Student Travel and Registration Scholarship
2006 Roshetko Family Scholarship, UC Berkeley School of Public Health
2005-2006 UC Berkeley School of Public Health Fellowship
2000 Honors Thesis in Environmental Science, Brown University
2000 Nomination to Sigma Xi, the Scientific Research Society
1998 Undergraduate Teaching and Research Award, Brown University

PUBLICATIONS

*represents that author is an undergraduate student

Peer-reviewed Journal Articles

1. Koplitz SN, Jacob DJ, Sulprizio MP, Myllyvirta L, **Reid CE**. 2017. Burden of disease from rising coal emissions in Southeast Asia. *Environmental Science & Technology* DOI: 10.1021/acs.est.6b03731.
2. **Reid CE**, Jerrett M, Tager IB, Petersen ML, Mann JK, Balmes JR. 2016. Differential respiratory health effects from the 2008 northern California wildfires: a spatiotemporal approach. *Environmental Research* 150:227-235 DOI: 10.1016/j.envres.2016.06.012.
3. **Reid CE**, Brauer M, Johnston F, Jerrett M, Balmes JR, Elliott CT. 2016. Critical Review of Health Impacts of Wildfire Smoke Exposure. *Environmental Health Perspectives*. 124:1334-1343. DOI:10.1289/ehp.1409277.

4. Lim YH, **Reid CE**, Honda Y, Kim H. 2015. Temperature deviation index and elderly mortality in Japan. *International Journal of Biometeorology*. 60:991-998.
5. **Reid CE**, Jerrett M, Petersen ML, Pfister GG, Morefield P, Tager IB, Raffuse SM, Balmes JR. 2015. Spatiotemporal prediction of fine particulate matter during the 2008 northern California wildfires using machine learning. *Environmental Science & Technology* 49(6):3887-96.
6. Snowden JM, **Reid CE**, Tager IB. 2015. Framing air pollution epidemiology in terms of population interventions, with applications to multi-pollutant modeling. *Epidemiology* 26:271-279.
7. Lim YH, **Reid CE**, Mann JK, Jerrett M, Kim H. 2014. Diurnal temperature range and short-term mortality in large US communities. *International Journal of Biometeorology* 59(9):1311-9. DOI 10.1007/s00484-014-0941-2.
8. **Reid CE**, Snowden JM, Kontgis C, Tager IB. 2012. The Role of Ambient Ozone in Epidemiologic Studies of Heat-Related Mortality. *Environmental Health Perspectives* 120(12):1627-30. <http://dx.doi.org/10.1289/ehp.1205251>
9. Holstius DM, **Reid CE**, Jesdale BM, Morello-Frosch R. 2012. Birth Weight Following Pregnancy During the 2003 Southern California Wildfires. *Environmental Health Perspectives* 120(9):1340-5. <http://dx.doi.org/10.1289/ehp.1104515>
10. **Reid CE**, Mann JK, Alfasso R, English PB, King GC, Lincoln RA, Margolis HG, Rubado DJ, Sabato JE, West NL, Woods B, Navarro K, Balmes JR. 2012. Evaluation of a Heat Vulnerability Index on Abnormally Hot Days: an Environmental Public Health Tracking study. *Environmental Health Perspectives* 120(5):715-20. <http://dx.doi.org/10.1289/ehp.1103766>
11. **Reid CE** and Gamble JL. 2009. Aeroallergens, Allergic Disease, and Climate Change: Impacts and Adaptation. *EcoHealth* 6(3): 458-470.
12. **Reid CE**, O'Neill MS, Gronlund C, Brines SJ, Brown DG, Diez-Roux AV, Schwartz J. 2009. Mapping Community Determinants of Heat Vulnerability. *Environmental Health Perspectives* 117(11): 1730-1736.

Book Chapters

1. Jerrett MJ, **Reid CE**, McKone TE, Koutrakis P. Participatory and Ubiquitous Sensing for Exposure Assessment in Spatial Epidemiology. 2015. In: Spatial Analysis in Health Geography. Kanaroglou P, Delmelle E, Gosh G, Páez A (Editors). Ashgate Publishing.

Other Scientific Publications (non-peer-reviewed)

1. Jerrett M, Su JG, **Reid CE**, Jesdale B, Ortega Hinojosa AM, Shonkoff SB, Seto E, Morello-Frosch R. 2011. Mapping Climate Change Exposures, Vulnerabilities, and Adaptation to Public Health Risks in the San Francisco Bay and Fresno Regions. Public Interest Energy Research (PIER) Program Draft White Paper.
2. Gamble, JL, **Reid CE**, Post E, Sachs J. 2008. Review of the Impacts of Climate Variability and Change on Aeroallergens and Their Associated Effects. U.S. Environmental Protection Agency, Washington, DC, USA. EPA Report No. EPA/600/R-06/164F
3. Gamble JL, Ebi KL, Sussman FG, Wilbanks TJ, **Reid C**, Thomas JV, Weaver CP, Harris M, Freed R. 2008. Executive Summary. In: Analyses of the effects of global change on human health and welfare and human systems. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research. [Gamble, J.L. (ed.), K.L. Ebi, F.G. Sussman, T.J. Wilbanks, (Authors)]. U.S. Environmental Protection Agency, Washington, DC, USA, p. 1-11.
4. Gamble JL, Ebi KL, Grambsch A, Sussman FG, Wilbanks TJ, **Reid CE**, Hayhoe K, Thomas JV, Weaver CP. 2008. Introduction. In: Analyses of the effects of global change on human health and welfare and human systems. A Report by the U.S. Climate Change Science Program and the

- Subcommittee on Global Change Research. [Gamble, J.L. (ed.), K.L. Ebi, F.G. Sussman, T.J. Wilbanks, (Authors)]. U.S. Environmental Protection Agency, Washington, DC, USA, p. 13–37.
5. Gamble JL, Ebi KL, Sussman FG, Wilbanks TJ, **Reid C**, Thomas JV, Weaver CP. 2008. Common Themes and Research Recommendations. In: Analyses of the effects of global change on human health and welfare and human systems. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research. [Gamble, J.L. (ed.), K.L. Ebi, F.G. Sussman, T.J. Wilbanks, (Authors)]. U.S. Environmental Protection Agency, Washington, DC, USA, p. 169–176.
 6. Kovats RS, Campbell-Lendrum D, **Reid C**, Martens P. 2000. Climate and Vector-Borne Disease: An assessment of the role of climate in changing disease patterns. Maastricht University, ICIS. UNEP. LSHTM.

PRESENTATIONS [*Denotes Invited Presentations, speaker is underlined]

1. ***Reid CE**. 2017. Using a Novel Spatiotemporal Exposure Assessment to Estimate Health Effects during the 2008 Northern California Wildfires. Presented July 17, 2017 at the 2017 NCAR/CDC Workshop on Weather, Climate, and Health, Boulder, CO.
2. ***Reid CE**. 2017. Air Quality/Atmospheric Sciences presentation at the Climate & Health Workshop, May 9, 2017 at the University of Colorado, Boulder, CO.
3. French, N.H.F., M. Billimire, B. Thelen, J. McCarthy, S. Wu, **C. Reid**, P.D. Koman, M. O'Neill, S. Hoshiko, J. Hutchinson, K. Anthony, J. Johnson, R.C. Owen and B. Koziol (2017). Approaches and challenges to connecting exposure to air pollution from wildland fire to cardiopulmonary health outcomes. Poster presentation at: Inaugural Planetary Health - GeoHealth Annual Meeting, 29 April 2017, Boston, MA., USA.
4. **Reid CE**, Clougherty JE, Shmool JLC, Li J, Kubzansky LD. 2017. It's Not Easy Assessing Greenness: A Comparison of the Effects of Spatial Resolution of NDVI and Buffer Sizes on Self-Reported Health. American Association of Geographers Annual Meeting, Boston, MA. April 7, 2017.
5. **Reid CE**, Jerrett M, Tager IB, Petersen ML, Mann JK, Balmes JR. 2016. Using a Novel Spatiotemporal Exposure Assessment to Estimate Respiratory Health Effects during the 2008 Northern California Wildfires. Fifth International Fire Behavior & Fuels Conference, Portland, OR.
6. **Reid CE**. 2016. Health impacts of green space: differential effects for trees and grass. Robert Wood Johnson Health and Society Scholars Annual Meeting 2016, New Orleans, LA
7. ***Reid CE**. 2016. Does exposure to green space improve our health? Using the Built Environment for Social Change: Health, Water, and Shelter. FDR Foundation Global Citizenship 3rd Annual Wintersession @Adams House. Harvard University, Cambridge, MA. January 21, 2016.
8. **Reid CE**, Jerrett M, Tager IB, Petersen M, Mann JK, Balmes JR. 2016. Using a Novel Spatiotemporal Exposure Assessment to Estimate Respiratory Health Effects during the 2008 Northern California Wildfires. American Meteorological Society's Seventh Conference on Environment and Health. January 12, 2016.
9. Shmool JLC, **Reid C**, Kubzansky LD, Spengler J, Clougherty JE. 2015. Intra-Urban Air Pollution Concentrations, Perceived Air Quality, and Greenspace. International Society of Exposure Science Annual Meeting 2015, Henderson, Nevada. October 15, 2015.
10. Shmool JLC, **Reid C**, Kubzansky LD, Spengler J, Clougherty JE. 2015. Intra-Urban Air Pollution Concentrations, Perceived Air Quality, and Greenspace. In: Abstracts of the 2015 Conference of the International Society of Environmental Epidemiology (ISEE) in Sao Paulo, Brazil. Abstract 2887. *Environmental Health Perspectives*; <http://dx.doi.org/10.1289/ehp.isee2015>.

11. **Reid CE**. 2015. Greenspace and health: mediation through reductions in psychosocial stress? Robert Wood Johnson Health and Society Scholars Annual Meeting 2015, Chapel Hill, NC
12. ***Reid CE**. 2014. "Wildfire Smoke Exposure and Population Health." Public Health Climate Action Team Meeting at the California Air Resources Board, Sacramento, CA. July 22, 2014.
13. ***Reid CE**. 2013. "Wildfire Smoke Exposure and Population Health." Genetic and Environmental Toxicology Association. Oakland, CA. December 2, 2013.
14. **Reid CE**, Jerrett M, Tager IB, Petersen ML, Morefield P, Balmes JR. 2013. Spatiotemporal modeling of wildfire smoke exposure in Northern California using satellite data and chemical transport models. Poster presentation at the Environment and Health – Bridging South, North, East and West Conference of ISEE, ISES and ISIAQ, Basel, Switzerland 19 – 23 August 2013.
15. ***Reid CE**. 2013. "Development and Evaluation of the Heat Vulnerability Index for the US." As part of the U.S. Environmental Protection Agency's Mid-Atlantic Sustainability Collaborative Webinar - Increased Heat Vulnerability as a Consequence of Climate Change. July 22, 2013.
16. ***Reid CE**. 2013. Estimating health impacts from wildfire particulate matter using chemical transport models and aerosol optical depth. ACD Internal Seminar at the National Center for Atmospheric Research. May 7, 2013.
17. ***Reid CE**. 2013. "Development and Evaluation of the Heat Vulnerability Index for the US." As part of a webinar on Heat Vulnerability for C40 Cities Climate Leadership Group and The Cool Cities Network. April 25, 2013.
18. **Reid CE**, Mann JK, Alfasso R, English P, King G, Margolis H, Sabato J, West N, Navarro K, Balmes JR. 2011. Evaluation of a Heat Vulnerability Index on Abnormally Hot Days: An Application of Environmental Public Health Tracking Data. Oral presentation at the 2011 International Society for Environmental Epidemiology, Barcelona, Spain.
19. **Reid CE**, Mann JK, Balmes JR, Rubado D, Margolis H, West N, Woods B, Flowers H. 2010. Climate change, heat waves, and population vulnerability: Using the environmental public health tracking network for validity testing of the heat vulnerability index. Oral presentation at the 2010 American Public Health Association Annual Meeting and Exhibition, Denver, CO.
20. ***Reid CE**. 2010. Heat Vulnerability Mapping: Proposed Vulnerability Measures and Mapping Approaches. Oral presentation at the 2010 CSTE (Council of State and Territorial Epidemiologists) Annual Conference in Portland, OR.
21. ***Reid CE**. 2009 "Who's Hit Hardest by Heat Waves?" September 17, 2009. Podcast. "The Researcher's Perspective: EHP Podcast Series" Available at: <http://ehp03.niehs.nih.gov/static/podcasts.action>
22. **Reid CE**, O'Neill MS, Brines SJ, Gronlund C, Diez-Roux AV, Brown DG, Schwartz J. 2008. Mapping Community Determinants of Heat Vulnerability. Poster presentation at the 2008 ISEE/ISEA Joint Annual Conference: Exposure and Health in a Global Environment, Pasadena CA.
23. **Reid CE**. 2008. Climate Change Impacts on Human Health in the United States: The Need for Preparedness Planning. Oral Presentation at the National Environmental Health Association's 72nd Annual Educational Conference (AEC) & Exhibition, Tucson, AZ.
24. **Reid C**, Broadwin R, Seto E. 2007. Comparison of Geocoding Results Using a Street Map and a Parcel Map. Poster presentation at the 2007 CalGIS Conference, Oakland, CA
25. **Reid C**, Morry D, Hoover S, Sandy MS, Zeise L, Zuniga R. 2007. Cancer Potencies and Daily Intake Levels for Six Industrial Chemicals. Poster presentation at the 2007 Society of Toxicology Conference, Charlotte, NC.

PROFESSIONAL SERVICE*External Service*

2017- present Editorial Review Board Member, *Environmental Health Perspectives*

2016 Subject Matter Expert to the U.S. EPA on Mapping the Vulnerability of Human Health to Climate Change in the U.S. Sponsored and organized by EPA's Global Change Research Program in the Office of Research and Development (ORD).

2013-2014 Climate and Health Idea Lab, Secretary and Co-founder, University of California, Berkeley

2010-2012 GRADS (Graduate Recruitment and Diversity Services) Ambassador for the School of Public Health, University of California, Berkeley, 2010-2012

Ad-hoc Peer Reviewer for: *Environmental Health Perspectives, Epidemiology, Environmental Science & Technology, Climatic Change, Atmospheric Environment, Environmental Research, Environmental Research Letters, American Journal of Epidemiology, Environmental Health, Social Science & Medicine, Journal of the Air & Waste Management Association, International Journal of Biometeorology, International Journal of Health Geographics, Geocarto International, BMJ Open, Journal of Geography and Regional Planning, and review of a dissertation submitted for the Association of American Geographers Jacques May Prize*

LANGUAGE/COMPUTER COMPETENCIES

English (native) and Spanish (fluent)

R, ArcGIS, SAS, Microsoft Office, Endnote

PROFESSIONAL MEMBERSHIPS

International Society of Environmental Epidemiology (2008 to present)

American Association of Geographers (2016 to present)

American Public Health Association (2007 to present)

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