

**UNIVERSITY OF MASSACHUSETTS LOWELL
COMPREHENSIVE PROFESSIONAL VITAE**

NAME Leland Keith Ackerson, ScD, MPH **DATE:** January 30, 2022
DEPARTMENT Public Health
COLLEGE College of Health Sciences
RANK Associate Professor
FIELDS Social Epidemiology, Community Health Education

A. EDUCATION AND ACADEMIC QUALIFICATIONS

1. Education

Dates	Field of Study	Degree	Institution	Honors
Sept/- June/	Social Epidemiology	Doctor of Science	Harvard School of Public Health, Boston, MA	
Sept/9- May/	Community Health Education	Master of Public Health	University of Massachusetts Amherst, MA	School of Public Health and Health Sciences Graduate Student of the Year, 2000 Delta Omega Public Health Honor Society, Rho Chapter, 2000
Sept/- May/9	Health Science and Humanities	Bachelor of Science	University of New England Biddeford, ME	Humanities Graduate of the Year, 1992 Summa Cum Laude, 1992

2. Academic Experience

Dates	Title	Institution
Aug/14-Present¹	Associate Professor; (Master of Public Health Program Coordinator, 2014-current; Public Health Doctoral Program Coordinator, May 2020-current; Interim Department Chair June 2019- January 2020)	University of Massachusetts Lowell, Lowell, MA
Aug/08-Aug/14	Assistant Professor	University of Massachusetts Lowell, Lowell, MA
June/09-Aug/09	Visiting Scientist	Dana-Farber Cancer Institute, Boston, MA

¹ Dates and publication titles in bold face indicate work undertaken since appointment at the University of Massachusetts Lowell

Sep/07-Aug/08	Postdoctoral Research Fellow	Harvard School of Public Health, Boston, MA
Jul/07-Aug/08	Postdoctoral Research Fellow	Dana-Farber Cancer Institute, Boston, MA
Dec/07-May/08	Lecturer	Northeastern University, Boston, MA
Sep/03-Aug/07	Cancer Prevention Pre-doctoral Fellow	Harvard School of Public Health, Boston, MA
Feb/03-June/07	Teaching Assistant	Harvard School of Public Health, Boston, MA
Sept/02-June/	Quantitative Analysis Research Assistant	Harvard School of Public Health, Boston, MA
Sept/98-May/0	Community Health Education Research Assistant	University of Massachusetts, Amherst, MA

3. Non-Academic Professional Experience

Dates	Title	Institution
Sep/04- Feb/08	Editorial Assistant	Social Science and Medicine, Boston, MA
Jun/00 Jul/02	Community Health Educator	Connecticut Children's Health Project, Hartford, CT
Sep/95-Jul/98	English Teacher	Pusan Foreign Language High School, Pusan, South Korea
May/- Jul/95	Health Education Volunteer	United States Peace Corps, Dominican Republic

B. PROFESSIONAL ACTIVITIES

1. Professional Associations

a. Memberships

Dates	Activities
Jun/06-current	Member, Massachusetts Public Health Association
Feb/12-Dec/19	Member, Society for Epidemiological Research
Oct/07-Dec/19	Member, American Association of Public Opinion Researchers
Jun/06-Dec/19	Member, American Public Health Association
Oct/07-Oct/12	Member, Midwest Association of Public Opinion Researchers
May/05-Aug/08	Member, Dana-Farber/Harvard Cancer Center Disparities in Cancer Program
Feb/05-Mar/07	Member, Harvard Tobacco Control Working Group

Oct/04-June/06 Member, Harvard School of Public Health Social Epidemiology Journal Club

May/99-May00 President, University of Massachusetts Amherst School of Public Health and Health Sciences Graduate Student Organization

b. Reviewing activities for professional journals

- American Journal of Public Health 2010-2013 four manuscripts
- Journal of Applied Gerontology 2012 one manuscript
- Health Promotion International 2010-2012 five manuscripts
- Cancer Causes and Control 2011 one manuscript
- Social Science & Medicine 2009-2011 ten manuscripts
- Biodemography and Social Biology 2010 one manuscript
- Lancet 2010 one manuscript
- Journal of Public Health (Oxford) 2009-2010 two manuscripts
- Cancer Epidemiology, Biomarkers, & Prevention 2009 one manuscript
- International Journal of Epidemiology 2009 one manuscript
- Preventing Chronic Disease 2008-2009 two manuscripts
- Journal of Postgraduate Medicine 2008 one manuscript
- F1000Research 2020 one manuscript
- Cureus 2020 two manuscripts

c. Participation in Professional Conferences

- Session Moderator, Increasing Study Recruitment and Retention: Working with Communities to Use Social Media, **November 30, 2012**, Center for Clinical & Translational Science Community Engagement and Research Section Symposium, Shrewsbury, MA.

2. Professional Honors and Awards

Dates	Award
May 2019	University of Massachusetts Lowell Student Government Association Teacher of the Year
February 2013	University of Massachusetts Lowell Faculty Community Engagement and Service Learning Award
May 2012	University of Massachusetts Lowell Department of Community Health and Sustainability Excellence in Teaching Award.
May 2011	University of Massachusetts Lowell Department of Community Health and Sustainability Excellence in Teaching Award.

3. Non-teaching Activities

Dates	Title	Institution
May/10-Aug/10	Consultant	University of Maryland, School of Medicine, Baltimore, MD
Jun/10-Aug/10	Consultant	UCSF, School of Medicine, San Francisco, CA

C. RESEARCH AND SCHOLARSHIP

1. Grants and Contracts

a. Successful Grant Applications

Date	Project	Role	Funder	Award
3/2011 - 10/2011	Greater Lowell Health Alliance Community Needs Assessment	Co-Investigator. Collected and analyzed quantitative data. Co-wrote report. Supervised one graduate student and one undergraduate research assistant.	Lowell General Hospital and Saints Medical Center	\$20,000
8/2011- 8/2013	On-line social networking and promotion of recreational physical activity	Co-Investigator. Planned, conducted, and analyzed focus groups. Planned intervention.	School of Health and Environment Seed Grant	\$12,800
8/2015- 6/2016	Incorporating Inter-Professional Education into an Undergraduate Epidemiology Course	Co-Investigator. Planned and implemented curriculum intervention. Planned, and analyzed qualitative and survey data.	UMass Lowell College of Health Sciences Interprofessional Education Teaching and Learning Grant	\$1,000
1/2016- 9/2016	Voting Practices among Cambodian and Vietnamese American Students	Co-Investigator. Planned, and analyzed focus groups and survey data.	UMass Lowell 2020 Challenge Grant	\$1,000
4/2018- 5/2020	A Holistic Data Analytic Modeling of Health Outcomes for Different Vulnerable Risk Groups	Co-Investigator. Planned quantitative analysis of health care data.	UMass Lowell IDEA Leadership Fund	\$10,000
10/2021 -5/2025	Public Health Informatics and Technology Workforce Development	Co-Investigator. Planned creation of MPH program curriculum. (PI= Dan Berlowitz)	US Department of Health and Human Services	\$3.09 million

2. Published Works

a. Original Articles in Refereed Journals with Peer Review

- 1) Conte HA, Biondi MC, Janket SJ, Ackerson LK, Diamandis EP. *Bebesia microti*-induced fulminant sepsis in an immunocompromised host: A case report and the case-specific literature review *Open Life Sciences* 2022 September; 17: 1200-1207. Leland Ackerson collaborated on the conception of the project and the writing of the paper.
Summary: Authors described a case study in which a patient with indolent chronic lymphocytic leukemia (CLL) presented with anemia, pancytopenia, and splenomegaly, and all healthcare providers presumptively assumed a malignant transformation of CLL rather than the actual cause--babesiosis.

- 2) **Nasir M, Summerfield N, Oztekin A, Knight M, Ackerson LK, Carreiro S. Machine Learning-based Outcome Prediction and Novel Hypothesis Generation for Substance Use Disorder Treatment *Journal of the American Medical Informatics Association* 2021 Jun 12;28(6):1216-1224. Doi: 10.1093/jamia/ocaa350.** Leland Ackerson collaborated on the conception of the project and the writing of the paper.
Summary: Authors applied several different machine-learning based analytic techniques to the topic of substance use disorder treatment. In addition to this novel analytic approach, the results indicated the importance of length of stay, frequency of substance use, and changes in self-help group attendance frequency in predicting the success of treatment.
- 3) **Janket SJ, Ackerson LK, Diamandis EP. Drug-resistant bacteremia after fecal microbiota transplant *New England Journal of Medicine* 2020 May; 14;382(20):1960. Doi: 10.1056/NEJMc2002496** Leland Ackerson collaborated on the conception of the project and the writing of the paper.
Summary: Authors raise concerns regarding the use of therapeutic fecal microbiota transplantation
- 4) **Janket SJ, Ackerson LK, Diamandis EP. Potential risks in fecal microbiota transplantation *Clinical Chemistry and Laboratory Medicine* 2020 Mar; 58(4):e95. Doi: 10.1515/cclm-2019-1076.** Leland Ackerson collaborated on the conception of the project and the writing of the paper.
Summary: Authors raise concerns regarding the use of therapeutic fecal microbiota transplantation
- 5) **Janket SJ, Ackerson LK, Diamandis EP. Gut microbiotas and immune checkpoint inhibitor therapy response: Causal or co-incidental relationship? *Clinical Chemistry and Laboratory Medicine* 2019 Dec 18;58(1):18-24** Leland Ackerson collaborated on the conception of the project and the writing of the paper.
Summary: Authors encourage caution in the analysis of epidemiological evidence linking gut microbiome to immune response.
- 6) **Janket SJ, Ackerson LK, Diamandis EP. Simpson's paradox in proof-of-concept studies *Nature Medicine* 2019 Nov;25(11):1640.** Leland Ackerson collaborated on the conception of the project and the writing of the paper.
Summary: Authors encourage the use of proper epidemiological techniques in studying the potential health impacts of *Akkermansia muciniphila* supplementation.
- 7) **Janket SJ, Benwait J, Isaac P, Ackerson LK, Meurman JH. Oral and systemic effects of xylitol consumption *Caries Research* 2019 May; 53(5):491-501.** Leland Ackerson collaborated on the conception of the project and the writing of the paper.
 - **Summary:** This review described the discrepancies in previous research regarding the effect of xylitol on caries prevention and proposed flaws in research methods that might explain these findings.
- 8) **Meurman JH, Janket SJ, Surakka M, Jackson EA, Ackerson LK, Fakhri HR, Chogle S, Walls A. Lower risk for cardiovascular mortality for patients with root filled teeth in a Finnish population *International Endodontic Journal* 2017 Dec; 50(12): 1158-1168.** Leland Ackerson collaborated on the conception of the project, the interpretation of the data analysis, and the writing of the paper.
 - **Summary:** This longitudinal study of 473 Finnish dental patients found an association between having root-filled teeth and lower likelihood of cardiovascular disease mortality.
- 9) **Janket SJ, Ackerson LK, Meurman JH. Potential Reverse Causation? *International Journal of Cancer* 2017 May; 140(9):2168** Leland Ackerson collaborated on the conception of the project, the data analysis, and writing the paper.
 - **Summary:** This method piece described the various epidemiological threats to validity inherent in longitudinal studies of the association of periodontal disease and non-Hodgkin's Lymphoma.

- 10) Corsi, DJ, Subramanian SV, Ackerson LK, Davey-Smith G. **Is there a greater maternal than paternal influence on offspring adiposity in India?** *Archives of Disease in Childhood* 2015 Oct; 100(10): 973-979. Leland Ackerson collaborated on the conception of the project, the data analysis, and writing the paper.
 - **Summary:** This nationally representative study from India provides evidence that, while both maternal and paternal nutrition status are correlated with child nutrition status, the correlation between mother and child is greater than that of father and child.

- 11) Ferrara CM, Ackerson LK, Murphy DA. **Attitudes of a multiethnic group of immigrants towards online social networking and physical activity: Results from focus group discussions.** *Californian Journal of Health Promotion* 2015 Sep; 13(2):61-73. Leland Ackerson collaborated on the conception of the project and the data collection, data analysis, and writing the paper.
 - **Summary:** This study used qualitative methods to identify major patterns of social media use among immigrants. In addition, the researched explored immigrants' perceptions of benefits and barriers to physical activity and evaluated the utility of social media intervention for promoting physical activity among this population.

- 12) Janket SJ, Javaheri H, Ackerson LK, Ayilavarapu S, Meurman JH. **Oral infections, metabolic inflammation, genetics, and cardiometabolic diseases.** *Journal of Dental Research* 2015 Sep; 94(9; Supplement 2): 199S-127S. Leland Ackerson collaborated on the conception of the project and the writing of the paper.
 - **Summary:** In this review paper, the authors provide evidence that many previous studies on the association between oral infection and cardiometabolic disease are susceptible to problems with confounding by genetics. They conclude by calling for more research on this topic that properly controls for genetic factors.

- 13) Janket SJ, Ackerson LK. **What is passing through toll gate 4: lipids or infection.** *Archives of Oral Biology* 2015 Apr; 60(4):664-666. Leland Ackerson collaborated on the conception of the project and the writing of the paper.
 - **Summary:** In this editorial, the authors call for more research to investigate the links between oral diseases and metabolic diseases.

- 14) Ferrara CM, Ackerson LK, Krieger R, Fahey A, Maloof E, Marley S, Moran C, Simone K. **Feasibility of a social networking site to promote physical activity in adults.** *International Journal of Health Promotion and Education* 2015 Feb; 53(2): 58-67. Leland Ackerson collaborated on the conception of the project and the data collection, and assisted with the data analysis and the writing of the paper.
 - **Summary:** The researchers developed a health promotion program using on-line social networking technology to increase physical activity among immigrants. This study reports the results of focus group sessions conducted with program participants in order to evaluate the utility of this approach in promoting health in this population.

- 15) Rhoads KF, Ackerson LK, Ngo JV, Gray-Hazard FK, Subramanian SV, Dudley RA. **Adequacy of lymph node examination in colorectal surgery: contribution of the hospital versus the surgeon.** *Medical Care* 2013 Dec; 51 (12): 1055-1062. Leland Ackerson performed the data analysis and assisted with the conception of the idea for the paper, the planning of the data analysis, the interpretation of the results, and writing the paper.
 - **Summary:** This study used multilevel modeling techniques to show that hospital environment contributes more to the variation in colorectal cancer surgery quality than surgeon characteristics.

- 16) Ackerson LK, Ramanadhan S, Arya M, Viswanath K. **Social disparities, communication inequalities, and HIV/AIDS-related knowledge and attitudes in India.** *AIDS and Behavior* 2012 Oct; 16(7) 2072-2081. Leland Ackerson conceived the idea performed the data analysis and collaborated on interpreting the results and writing the paper.

- **Summary:** This study of 123,459 women and 73,908 men in the 2005-2006 National Family Health was the first nationally representative study to investigate the association of communication inequalities and HIV/AIDS knowledge in India. Results indicated that there are significant inequalities in mass media use among different social classes. Education and wealth are strongly and positively associated with awareness of HIV/AIDS and knowledge about prevention and transmission of AIDS and negatively associated with HIV/AIDS-related stigma. These associations attenuated when use of various mass media types were added to the models with television showing the strongest effect. Mass media may be helpful in reducing social disparities in HIV/AIDS outcomes.
- 17) **Rutten LJ, Blake K, Hesse BW, Ackerson LK. Isolated and skeptical: social engagement and trust in information sources among smokers. *Journal of Cancer Education* 2011 Sep; 26(3):465-473.** Leland Ackerson assisted with conceiving the idea, interpreting the results, and writing the paper.
- **Summary:** This study was a secondary data analysis of data from 5,586 participants in the 2005 U.S. Health Information National Trends Survey. Major findings are that current smokers are less socially engaged and less trusting of information resources than non-smokers. This study suggests novel ways to promote smoking cessation among current smokers.
- 18) **Viswanath K, Ackerson LK. Race, ethnicity, language, social class, and health communication inequalities: a nationally-representative cross-sectional study. *PLoS ONE* 2011 Jan; 6(1): e14550.** Leland Ackerson performed the data analysis and wrote the paper and assisted with the conception of the idea for the paper, the planning of the data analysis, and the interpretation of the results.
- **Summary:** This study was a secondary data analysis of data from 5,187 participants in the 2005 U.S. Health Information National Trends Survey. Major findings are that use of cancer-related health communication is patterned by race, ethnicity, language, and social class. Providing greater access to and enhancing the quality of health media by taking into account factors associated with social determinants may contribute to the alleviation of social disparities in health.
- 19) **Ackerson LK, Subramanian SV. Negative freedom and death in the United States. *American Journal of Public Health* 2010 Nov; 100(11): 2163-2164.** Leland Ackerson conceived idea for the paper, planned the data analysis, performed the analysis, wrote the paper, and collaborated on the interpretation of the results.
- **Summary:** An ecological analysis of data from 50 U.S. states revealed a strong positive association between state-level regulation of personal behavior and state-level age-adjusted rates of unintentional injury. Results indicate that a conceptual emphasis on positive freedom construed as freedom to pursue a life without risk of unintentional injury could help motivate a conversation to improve public health.
- 20) **Subramanian SV, Ackerson LK, Davey Smith G. Parental body mass index and childhood undernutrition in India: an assessment of intrauterine influence. *Pediatrics* 2010 Sep; 126(3): e663-671.** Leland Ackerson performed the data analysis and wrote the paper and assisted with the conception of the idea for the paper, the planning of the data analysis, and the interpretation of the results.
- **Summary:** This study investigated 15,976 children who were aged 0 to 59 months from the 2005-2006 Indian National Family Health Survey. An increase in both maternal BMI and paternal BMI was associated with a lower relative risk for childhood undernutrition. Similarity in the association between paternal/maternal BMI and childhood undernutrition suggests that intergenerational associations in nutritional status are not driven by maternal intrauterine influences.
- 21) **Ackerson LK, Viswanath K. Media attention and public perceptions of cancer and eastern equine encephalitis. *Journal of Community Health* 2010 Aug; 35(4): 409-416.** Leland Ackerson conceived idea for the paper, planned the data analysis, performed the analysis, wrote the paper, and collaborated on the interpretation of the results.
- **Summary:** This study included a media content analysis of 253 health-related articles from 11 Massachusetts newspapers, and a secondary analysis of responses to a health communication survey of

613 Massachusetts adults. A greater proportion of cancer articles compared to those about EEE mentioned progress in combating the disease. Over half of all respondents perceived EEE as an equal or greater threat than cancer. Paying a lot of attention to health media was related to higher odds of perceiving EEE as a threat. Media treatment of health stories that emphasize the novelty and unpredictability of EEE compared to cancer may lead to distorted perceptions of threat among news consumers.

- 22) **Subramanyam MA, Ackerson LK, Subramanian SV. Patterning in birthweight in India: analysis of maternal recall and health card data. *PLoS ONE* 2010 July; 5(7):e11424.** Leland Ackerson performed the data analysis and wrote the paper and assisted with the conception of the idea for the paper, the planning of the data analysis, and the interpretation of the results.
- **Summary:** This methodological paper was used to validate the use of maternal reports of child birthweight and to describe the population of children with health card data available in the 2005-2006 Indian National Family Health Survey. Results suggest that in the absence of other sources, the data on birthweight in the third Indian National Family Health Survey is valuable for epidemiologic research.
- 23) **Viswanath K, Ackerson LK, Sorensen G, Gupta PC. Movies and TV influence tobacco use in India: findings from a national survey. *PLoS ONE* 2010 June; 5(6):e11365.** Leland Ackerson performed the data analysis and wrote the paper and assisted with the conception of the idea for the paper, the planning of the data analysis, and the interpretation of the results.
- **Summary:** This analysis of 123,768 women and 74,068 men in India was the first to use nationally-available data from India to show that monthly cinema attendance is associated with increased smoking among women and men and increased tobacco chewing among men. Daily television and radio use is associated with higher likelihood of tobacco chewing among men and women, while daily newspaper use is related to lower likelihood of tobacco chewing among women.
- 24) **Janket S-J, Meurman JH, Baird AE, Qvarnström M, Nuutinen P, Ackerson LK, Hong J-H, Muthukrishnan P, Van Dyke TE. Salivary immunoglobulins and prevalent human coronary artery disease. *Journal of Dental Research* 2010 Apr; 89(4): 389-394.** Leland Ackerson assisted with the conception of the analysis, the interpretation of the results, and the writing of the paper.
- **Summary:** This study of 506 indicated that that salivary immunoglobulin A was positively and salivary immunoglobulin G was inversely associated with coronary artery disease. This is one of the first papers to indicate that salivary immunoglobulin A warrants further studies to confirm its role in the risk assessment of coronary artery disease.
- 25) **Ackerson LK, Subramanian SV. Intimate partner violence and death among infants and children in India. *Pediatrics* 2009 Nov; 124(5): e878-e889.** Leland Ackerson conceived idea for the paper, planned the data analysis, performed the analysis, wrote the paper, and collaborated on the interpretation of the results.
- **Summary:** This study of 39,096 children was the first nationally-representative study of Indian children to find an association of maternal experience of physical, sexual and psychological intimate partner violence with child death.
- 26) **Richman LS, Kubzansky LD, Maselko J, Ackerson LK, Bauer M. The relationship between vitality and cardiovascular health. *Psychology and Health* 2009 Oct; 24(8): 919-932.** Leland Ackerson performed the data analysis and assisted with the conception of the analysis, the interpretation of the results, and the writing of the paper.
- **Summary:** This study was used to create and validate a new Mental Vitality Scale. Then a survey of 1041 medical found that mental vitality is associated with reduced odds of several cardiovascular outcomes. The results lend support for the importance of mental vitality as a construct that may be relevant for considering resilience in relation to cardiovascular disease.

- 27) Ackerson LK, Viswanath K. The social context of interpersonal communication and health. *Journal of Health Communication*. 2009; 14(Supplement 1):5-17. Leland Ackerson conceived the idea for the paper, planned the data analysis, performed the analysis, wrote the paper, and collaborated on the interpretation of the results.
- **Summary:** This study used data from the 2003 and 2005 Health Information National Trends Surveys (HINTS) to illustrate the role of social context in interpersonal communication. This provides evidence that addressing the social context may be necessary for eliminating communication inequalities.
- 28) Heimonen A, Janket S-J, Kaaja R, Ackerson LK, Muthukrishnan P, Meurman JH. **Oral inflammatory burden and preterm birth.** *Journal of Periodontology* 2009 Jun; 80(6):884-891. Leland Ackerson assisted with the conception of the analysis, the interpretation of the results, and the writing of the paper.
- **Summary:** We conducted a postpartum cross-sectional study of 328 Finnish women with singleton births, of whom 77 had preterm births and 251 had full-term births. Oral inflammatory burden index was significantly associated with preterm birth after adjusting for confounding factors.
- 29) Subramanian SV, Ackerson LK, Davey Smith G, John N. **Association of maternal height with child mortality, anthropometric failure and anemia in India.** *Journal of the American Medical Association* 2009 Apr 22;301(16):1691-1701. Leland Ackerson performed the data analysis and wrote the paper and collaborated with the conception of the idea for the paper, the planning of the data analysis, and the interpretation of the results.
- **Summary:** This study entailed an analysis of data from 50 750 mothers aged 15 to 49 years from all 29 states of India. An increase in maternal height was associated with a decreased risk of child mortality, underweight, stunting, wasting, and anemia. Paternal height was not associated with child mortality or anemia but was associated with child anthropometric failure.
- 30) Ackerson LK, Viswanath K. Communication inequalities, social determinants, and intermittent smoking in the 2003 Health Information National Trends Survey. *Preventing Chronic Disease*. 2009 Apr;6(2). http://www.cdc.gov/pcd/issues/2009/apr/08_0076.htm. Leland Ackerson conceived the idea for the paper, planned the data analysis, performed the analysis, wrote the paper, and collaborated on the interpretation of the results.
- **Summary:** This analysis of smoking patterns from 2,641 ever-smokers in a cross-sectional indicated that people with high education and high income, Spanish-speaking Hispanics, and women were the most likely to be intermittent rather than daily smokers. Women and Spanish-speaking Hispanics were the most likely to be intermittent rather than former smokers. These results indicate that tailoring smoking-cessation campaigns toward intermittent smokers from specific demographic groups by using health media may improve the effect of these campaigns and reduce social health disparities.
- 31) Heimonen A, Janket S-J, Meurman JH, Furuholm J, Ackerson LK, Kaaja R. Oral health care patterns and the history of miscarriage *Oral Diseases*. 2008 Nov;14(8):734-740. Leland Ackerson assisted with the conception of the analysis, the interpretation of the results, and the writing of the paper.
- **Summary:** Medical, dental and sociodemographic data were collected from 328 women through clinical examinations, medical record searches and structured questionnaires. Results indicated that urgency-based dental treatment demonstrated a significant association with history of miscarriage while preventive dental treatment demonstrated a marginally significant inverse association with history of miscarriage.
- 32) Ackerson LK, Subramanian SV. State gender inequality, socioeconomic status and intimate partner violence in India: a multilevel analysis. *Australian Journal of Social Issues*. 2008 Fal;43(1):81-102. Leland Ackerson conceived the idea for the paper, planned the data analysis, performed the analysis, wrote the paper, and collaborated on the interpretation of the results.

- **Summary:** An analysis of data from a sample of 83,627 women indicated that differences in intimate partner violence between neighborhoods and between states that are partially explained by state levels of gender inequality. The results suggest that changing cultural norms to promote the status of women and increasing the educational and economic opportunities for all people could decrease the prevalence of intimate partner violence.
- 33) Rhoads KF, Ackerson LK, Jha A, Dudley RA. Quality of colon cancer outcomes in hospitals with a high percentage of Medicaid patients. *Journal of the American College of Surgeons*. 2008 Aug;207(2):197-204. Leland Ackerson performed the data analysis and assisted with the conception of the idea for the paper, the planning of the data analysis, the interpretation of the results, and writing the paper.
- **Summary:** This study was the first to show that having colon cancer surgery in a hospital that serves a high proportion of Medicaid patients was associated with increased risk of mortality. This study has substantial implications for equity in health care in the United States.
- 34) Ackerson LK, Kawachi I, Barbeau EM, Subramanian SV. Geography of nutritional status in India: a multilevel analysis of 3,204 neighborhoods in 26 states *Economics & Human Biology*. 2008 Jul;6(2):264-280. Leland Ackerson conceived the idea for the paper, planned the data analysis, performed the analysis, wrote the paper, and collaborated on the interpretation of the results.
- **Summary:** This study found that individuals living in high income neighborhoods in India tended to have lower rates of undernutrition and higher rates of overweight even after accounting for family resources. This study has significant implications for addressing India's double burden of disease from underweight and overweight.
- 35) Malhotra R, Noheria A, Amir O, Ackerson LK, Subramanian SV. Determinants of termination of breastfeeding within the first two years of life in India: Evidence from the National Family Health Survey-2 (NFHS-2). *Maternal & Child Nutrition* 2008 Jul;4(3):181-193. Leland Ackerson assisted with the conception of the analysis, the analysis of the data, the interpretation of the results, and the writing of the paper.
- **Summary:** This study found that Indian mothers tended to terminate breast feeding for daughters sooner than they did breast feeding for sons. These results may provide important evidence of post-natal care that may exacerbate the gender imbalance among Indian children.
- 36) Subramanian SV, Ackerson LK, Subramanyam M, Sivaramakrishnan K. Health inequalities in India: the axes of stratification. *Brown Journal of World Affairs*. 2008 Spring/Summer;14(2):127-138. Leland Ackerson performed the data analysis and assisted with the conception of the idea for the paper, the planning of the data analysis, the interpretation of the results, and writing the paper.
- **Summary:** This study documented substantial health inequalities in mortality, morbidity, and health behaviors in India by wealth, education, occupation, and caste.
- 37) Ackerson LK, Subramanian SV. Domestic violence and chronic malnutrition among women and children in India. *American Journal of Epidemiology* 2008 May;167(10):1188-1196. Leland Ackerson conceived the idea for the paper, planned the data analysis, performed the analysis, wrote the paper, and collaborated on the interpretation of the results.
- **Summary:** This study was the first nationally-representative study of Indian women to find an association of experience of physical intimate partner violence with malnutrition, and the first to find an association of maternal experience of intimate partner violence with child malnutrition.
- 38) Ackerson LK, Kawachi I, Barbeau EM, Subramanian SV. Effects of individual and proximate educational context on intimate partner violence (IPV): a population-based study of women in India. *American Journal of Public Health*. 2008 Mar;98(3):507-514. Leland Ackerson conceived the idea for the paper, planned the data analysis, performed the analysis, wrote the paper, and collaborated on the interpretation of the results.

- **Summary:** This study was the first nationally representative study of Indian women to find an association of level of individual, spousal, and neighborhood education with a woman's likelihood of experiencing domestic violence.

39) Ackerson LK, Kawachi I, Barbeau EM, Subramanian SV. Exposure to domestic violence associated with adult smoking in India: a population-based study. *Tobacco Control*. 2007 Dec;16(6):378-383. Leland Ackerson conceived the idea for the paper, planned the data analysis, performed the analysis, wrote the paper, and collaborated on the interpretation of the results.

- **Summary:** This study was the first nationally representative study from a low-income country to show an association between experience of domestic violence and use of tobacco among women.

40) Subramanian SV, Ackerson LK, Subramanyam MA, Wright RJ. Domestic violence is associated with adult and childhood asthma prevalence in India. *International Journal of Epidemiology*. 2007 Jun;36(3):569-579. Leland Ackerson performed the data analysis and assisted with the conception of the idea for the paper, the planning of the data analysis, the interpretation of the results, and writing the paper.

- **Summary:** This study was groundbreaking in showing the interactive association of social stress through domestic violence and physical respiratory irritants with asthma.

b. Published Reports that have not been Peer-reviewed

1) **Lee AJ, Ackerson LK, Flodin K, Slatin C. Greater Lowell Community Needs Assessment. Lowell, MA: University of Massachusetts Lowell; September 2010.** Leland Ackerson collected, analyzed, and summarized the quantitative data that was used to describe the health status of the Greater Lowell Community in this report.

- **Summary:** This report assessed the strengths and shortcomings of the health of the Greater Lowell Community and provided some specific suggestions for improvements. These improvements included coordinating care among the regional health care providers; developing a system for providing quality urgent care; establishing a clearinghouse of provider information; and identifying the specific health needs of the diverse ethnic community.

c. Books and Book Chapters

1) **Coughlin SS and Ackerson LK.** Chapter 5: Ethical Issues in Community-Based Participatory Research Studies (2017). In Coughlin SS, Smith SA, Fernandez ME (Eds.) *Handbook of Community-Based Participatory Research*. Oxford, UK: Oxford University Press.

3. Manuscripts in preparation

a. Works accepted for publication

1)

b. Works submitted for publication

1) **Conte HA, Biondi MC, Janket S-J, Ackerson LK, Diamandis EP. Babesia microti induced fulminant sepsis in an immunocompromised host: Single patient experience and review of the literature. Submitted to the Lancet Microbe November 13, 2021.** Leland Ackerson collaborated on the conception of the project and the writing of the paper.

- **Summary:** This paper reported the outcome of a single patient with *Babesia microti* whose symptoms were initially mis-diagnosed as symptoms of indolent chronic lymphocytic leukemia. The conclusion is that care must be taken to rule out infectious diseases before treatment for chronic diseases.

4. Other works and presentations

a. Presentations

- 1) **Corbacio J, Delgado A, Ford M, Giaquinto N, Nabanja S, Wright J, Ackerson LK. Healthy homes asthma survey: Cross sectional study, poster presentation, November 30, 2012, Center for Clinical & Translational Science Community Engagement and Research Section Symposium, Shrewsbury, MA.**
- 2) **Ackerson LK, Ramanadhan S, Arya M, Viswanath K. Social disparities, communication inequalities, and HIV/AIDS-related knowledge and attitudes in India, oral presentation, May 14, 2011, American Association of Public Opinion Researchers Annual Conference, Phoenix, AZ.**
- 3) **Viswanath K, Ackerson LK. Media and health threats: Public opinion implications of reporting of cancer and eastern equine encephalitis news, oral presentation, November 22, 2008, Midwest Association of Public Opinion Researchers Annual Meeting, Chicago, IL.**
- 4) Viswanath K, Ackerson LK. Social determinants and communication inequalities, oral presentation, May 15, 2008, American Association of Public Opinion Researchers Annual Conference, New Orleans, LA.
- 5) Ackerson LK, Kawachi I, Barbeau EM, Subramanian SV. Domestic violence and tobacco use in India, poster presentation, November 7, 2006, American Public Health Association Annual Meeting, Boston, MA.

b. Major Research Interests

- Understanding the role of public opinion in shaping health-related policies.
- Examining the role of social, physical, and policy environments in influencing health and health inequalities.
- The use of media messages and health literacy to promote health and health equity among all populations.
- Social determinants of maternal and child health in low-income countries
- Social epidemiology of medical care

D. INSTRUCTION RELATED EXPERIENCE

1. Teaching

- **Assistant/Associate Professor; University of Massachusetts Lowell, Lowell, MA; September 2008-current.** Prepared and delivered a curriculum for a variety of public health and health promotion classes. Served as faculty supervisor to students during their senior internships. Served as a faculty advisor to undergraduate students and graduate students.
 - Introduction to Public Health (PUBH.1021) Provided a foundation for understanding public health through exposure to current health care and policy issues viewed through the perspective of multiple disciplines.
 - Community Health and Environment (31.201). Taught basic information in a survey course about the health care system, health care professions, and health across the lifecycle.
 - Introduction to Health Promotion (31.204). Provided introductory information about the major health promotion philosophies, theories, literature, responsibilities, and settings. Integrated a service learning project into the curriculum in which the students created a 5-minute health promotion video. Created a qualitative research project where students interviewed health promoters and reported the results.
 - Social Determinants of Health (PUBH.2050). Introduced a curriculum describing how social disparities in power and wealth are reflected in the health of populations.
 - Research Methods in Public Health (31.206). Taught principles of qualitative and quantitative research. Introduced learning modules that included collecting data for randomized controlled trials and media content analyses.
 - Contemporary Health Problems I (31.303) Provided information about how social and biological systems impact patterns of major health issues such as HIV/AIDS and occupational health disorders.
 - Introduction to Epidemiology (PUBH.3050). Instructed students on how to conduct and evaluate quantitative research in the public health field. Integrated a service learning project into the course curriculum in which students conducted epidemiological studies for community health organizations.
 - Contemporary Health Problems II (31.306) Provided information about how social and biological systems impact patterns of major health issues such as violence and conditions related to climate change.
 - Community Health Assessment (PUBH.3060). Guided students to develop skills in conducting qualitative and quantitative research and implementing Community Health Assessments and Health Impact Assessments.
 - Service Learning in Community Health (31.409). Organized 40-hour semester-long internship in community health organizations while providing career-readiness skills.
 - Community Health Practicum (31.410). Organized full-time, semester-long practicum placements for students in community-based health organizations.
 - Directed Study (31.493). Guided the work of students doing undergraduate research projects.
 - Social and Behavioral Determinants of Health (PUBH.5010). Created a curriculum to present graduate students on psychosocial theories of health behavior and ecologic topics on social disparities in health.
 - Directed Study [Community Health Assessment] (PUBH.5930) Guided 5 students in conducting a community health assessment for a local non-profit anti-poverty NGO.
 - MPH Practicum I (PUBH.6660) Provided job readiness training and organized semester-long practicum placements for students in community-based health organizations.
 - MPH Practicum II (PUBH.6670) Mentored students during semester-long practicum placements and guided them in preparing formal presentations of their work.
 - Curricular Practical Training (PUBH.7760) Mentored international students as they gained public health work experience by guiding their reflection on this work in an academic setting.

- Adjunct Instructor; Northeastern University; Boston, MA; November 2007-April 2008. Prepared and delivered a curriculum, including twenty 90-minute lectures, on-line learning, and experiential education, for a semester-long class of 30 students.
 - Communications for the Health Professions (BHS U300). Taught about the importance of cultural competence, health literacy, and empathetic communication in the healthcare field.
- Teaching Assistant; Harvard School of Public Health; Boston, MA; February 2003-June 2007. Prepared and delivered lectures to approximately 30 master and doctoral level students, corrected exams and term papers, provided personalized computational assistance.
 - Society and Health (SHH201). Facilitated discussion groups on the topic of the influence that social determinants have on health disparities.
 - SHDH Department Proseminar (SHH233). Introduced students to the research being conducted at the university.
 - Multilevel Statistical Methods (SHH263). Provided personal computational assistance to students learning how to use multilevel modeling techniques.
 - Innovative Strategies in Health Education (SHH273). Corrected term papers on descriptions of health education innovations.
- Community Health Educator; Connecticut Children’s Health Project; Hartford, CT; June 2000-July 2002. Prepared and conducted training sessions about the state Medicaid managed care program for medical and social service professionals.
- Teacher of English to Students of Other Languages; Busan Foreign Language High School; Busan, South Korea; September 1995-July 1998. Prepared a curriculum for and taught one-hour English classes to groups of 20-60 Korean students
- Health Education Volunteer; United States Peace Corps; Dominican Republic; May 1993-July 1995. Prepared and delivered lectures in hygiene, sanitation, nutrition, and first aid to medical professionals and community members in Spanish
- Learning Assistant; University of New England; Biddeford, ME; September 1988-May 1990. Provided personalized instruction for groups of 1-4 students in the topics of Biology, Chemistry, Physics, and Mathematics. Prepared and delivered review lectures for groups of 30 students.

2. Other Instructional Accomplishments

a. Mentored student honors and presentations

- Spring 2011-
Spring 2013** **University of Massachusetts Lowell Community Engagement Symposium.** Provided support and guidance for 11 teams of students from the Introduction to Epidemiology Class, 15 teams of students from the Services Learning in Community Health class, and 1 student completing an independent study who created and presented posters for this event. These projects included:
- Crisci A, Bates S, Jimenez LD, Pernice S, Perron Y, Wong S. Opioid knowledge in the greater Lowell community.
 - Brisbin A, Bobola K, McCabe K, Patterson S, Sok N, Soundara C. Food security and customer satisfaction among food pantry clients.
 - Beauvais A, Evans A, Hilbert H, Marquis S, Marsh A, Moran J. The use and perception of reproductive health services at UMass Lowell.
 - Corbacio J, Delgado A, Ford M, Giaquinto N, Nabanja S, Wright J. Healthy homes: A cross sectional study of asthma.
 - Mugford C, Merlino E, Bellerose K, Frenzo N, Tasiopoulos S, Ruhm T. Tobacco

- related attitudes and behaviors among UMass Lowell Employees.
- Behnen T, DiCiaccio M, Ntori M, Scanlan A, Slejzer K, Williams A. Lowell community food assessment in the Acre.
 - Nou EC, Tran L, Eldoueihi J, Keefe K, Gonzalez J, Al Sarabi H. Youth violence within the Lowell community.
 - Brian A, Kaelblein N, Osborne-Trussell K, Ventura J, Eldridge V, Harris A. University students' perceptions of ADHD medication.
 - Bates S, Jimenez L. Tomando: Chronic disease education for Spanish-speaking senior citizens.
 - Bobola K, Osborne-Trussell K. Lowell Food Security Coalition Food Assessment
 - Corbacio J, Brian A, Giaquinto N. Add some ZzzZzZs: Promoting the importance of sleep among students.
 - Delgado A, Wong S. Merrimack Valley Food Bank cookbook.
 - Evans A, Marsh A. Healthy habits curriculum at Lowell General Hospital.
 - Hilbert H, Ventura J. One step toward understanding health insurance.
 - Soundara C, Crisci A. Teen violence discussion guide.
 - Mugford C, Moran J. Influenza vaccinations for the elderly: a video project for the Lowell Health Department.
 - Wright J, Beauvais A. Healthy You! After-school curriculum for pre-teen girls.
 - Perron Y, Kaelblein. A breath of fresh air: Lowell Healthy Homes project.
 - Diciaccio M, Marquis S. Hearth health communication.
 - Ford M, Pernice S. Tick surveillance with the Town of Andover Health Department
 - Chea A, Churchill L, Mercer C, Samedi J. Mass Media Use, Political Philosophy, and Concern for Climate Change.
 - Luna DR, Ulrich J, Diaz A, Gyamfi J, Munye YA. Socioeconomic Standings and Support for Diabetes Related Policies.
 - Northam K, Toner C, Wormald L. The Association Between Media Use and Belief of Causal Factors for Diabetes.
 - Desravines B, Seaburg J, Yu J. University of Massachusetts Lowell Student Health Services: Relaxation Line.
 - Mercer C, Northam K. Bullyproof Campaign at the McAvinnue Elementary School.
 - Samedi J, Higgins M, Luna D. Mapping and Measuring Urban Livability.
 - Melo B. University students' perceptions of availability and health-related qualities of food in residential campus dining facilities.

Spring 2012

University of Massachusetts Lowell C. Daniel Cole Undergraduate Research Award.

This annual competition selects the best undergraduate research projects around the campus. I guided the following group of students to a second place prize with their poster presentation. This prize gave the students a membership in the Sigma Chi Research Honor Society.

- Beauvais A, Evans A, Hilbert H, Marquis S, Marsh A, Moran J. The use and perception of reproductive health services at UMass Lowell.

Spring 2012

University of Massachusetts Lowell Journal of Undergraduate Research. Provided support and guidance for seven teams of students who published research projects in the inaugural issue of the journal. These projects constituted seven of the eleven articles from the entire University. These projects included:

- Crisci A, Bates S, Jimenez LD, Pernice S, Perron Y, Wong S. Opioid knowledge in the greater Lowell community.
- Brisbin A, Bobola K, McCabe K, Patterson S, Sok N, Soundara C. Food security and customer satisfaction among food pantry clients.

- Beauvais A, Evans A, Hilbert H, Marquis S, Marsh A, Moran J. The use and perception of reproductive health services at UMass Lowell.
- Corbacio J, Delgado A, Ford M, Giaquinto N, Nabanja S, Wright J. Healthy homes: A cross sectional study of asthma.
- Mugford C, Merlino E, Bellerose K, Frenzo N, Tasiopoulos S, Ruhm T. Tobacco related attitudes and behaviors among UMass Lowell Employees.
- Behnen T, DiCiaccio M, Ntori M, Scanlan A, Slejzer K, Williams A. Lowell community food assessment in the Acre.
- Nou EC, Tran L, Eldoueihi J, Keefe K, Gonzalez J, Al Sarabi H. Youth violence within the Lowell community.

Spring 2011 **Annual Massachusetts Undergraduate Research Conference.** Assisted a team of students in preparing and delivering a 10-minute oral presentation about a service learning research project they completed in my Introduction to Epidemiology class.

- Cusack C, Abankwa D, DeSalvo T, Le J, Jean-Jacques PS. Attitudes and behaviors towards tobacco policy and use at the University of Massachusetts Lowell

b. Student Service Learning Projects

Fall 2011-Fall 2012 **Service Learning in Community Health project faculty supervisor.** Directed 47 students in 22 service learning projects with community health agencies including:

- Lowell Adult Education Center
- Merrimack Valley Food Bank
- Lowell Community Health Center Teen Block
- City of Lowell Health Department
- Community Teamwork, Inc. Senior Volunteer Program
- Girls, Incorporated of Greater Lowell
- UMass Lowell University Health Services
- UMass Lowell Center for Community Research and Engagement (formerly Family, Work, and Community)
- Partnership for a Heart Healthy and Stroke Free Massachusetts
- Lowell General Hospital Center for Community Health and Wellness
- Town of Andover Health Department
- Lowell Food Security Coalition
- The New England Consortium
- Lowell Transitional Living Center
- Lowell Center for Hope and Healing
- City of Lowell Department of Planning and Development
- Lowell Boys and Girls Club

Spring 2011 **Health Promotion Service Learning Video Projects.** Directed six student groups to scripts, film, edit, and produce 5-minute educational videos in collaboration with the following community partners:

- Lowell General Hospital Health and Wellness Committee
- UMass Lowell University Health Services
- Lowell Adult Education Center
- Lowell Health Department
- The New England Consortium
- UMass Lowell Department of Community Health and Sustainability

Fall 2010- Fall 2012

Epidemiology Service Learning Projects. Directed 14 student groups to create data-collection tools, collect data, analyze data, and write reports that were presented to the following organizations:

- Lowell General Hospital Health and Wellness Committee
- Lowell General Hospital Maternal and Child Health Coordinator
- UMass Lowell University Health Services (3)
- Lowell Adult Education Center
- Lowell Health Department (2)
- UMass Lowell Office of Residence Life
- Lowell Community Health Center Teen Coalition
- Merrimack Valley Food Bank
- UMass Lowell Center for Community Research and Engagement (formerly Family, Work, and Community)
- Lowell Food Security Coalition
- UMass Lowell Department of Environmental and Emergency Management

E. SERVICE ACTIVITIES

1. Community and Professional Activities

- November 2015- current** Community Teamwork, Incorporated, Board of Directors. Served as chair of the Community Assessment Committee for the 2016-2017 process and the 2019-2020 process. Served on the Policy Subcommittee.
- June 2014 – January 2015** Greater Lowell Health Alliance, Board of Directors. Meetings occurred once per month. Accomplishments included creating a rubric for distribution of \$400,000 in grant money, evaluation of community grant proposals, and overseeing the distribution of funds to community agencies to maximize the health impact.
- Summer - Fall 2010** Committee to plan MassCALL “The Lowdown on Getting High,” forum on opioid overdose prevention for the UMass Lowell community. Met 6 times with committee members including Massachusetts State Representative Thomas Golden and professionals from City of Lowell Health Department, UMass Lowell Student Health Services, and Middlesex Community College. Contributed to planning the forum, inviting the speakers, and promoting event, and providing refreshments. The forum provided factual information from law enforcement and medical professionals and personal statements from opioid addicts in recovery and friends and family members of addicts.
- Fall 2009 - Fall 2010** Greater Lowell Health Alliance Community Needs Assessment Team. Met 8 times with representatives from University of Massachusetts Lowell, the Greater Lowell Health Alliance, Lowell General Hospital, and Saints Medical Center. Collected quantitative data from numerous state and local data sources. Organized this information and summarized it when writing the quantitative section of the final needs assessment report.
- Summer 2009 - Summer 2010** Greater Lowell Health Alliance Tobacco Task Force. Assisted with planning local tobacco control interventions. Recruited student volunteer community health promoters for the Lowell Middle School Tobacco Control Initiative.

2. Departmental Activities

- May 2015-current** Inaugural Program Coordinator for the Master of Public Health Program. Created the programs of study for 5 master of public health degrees. Assisted in the creation of the publicity material for the public health program. Oversaw the creation of the academic advising system for the graduate public health program. Worked with Graduate Admissions to create admission standards for the Graduate Public Health Program. Reviewed and made decisions on all applications for admission to the graduate public health program and certificate program. Acted as formal advisor for all incoming master and certificate public health students. Communicated with all potential applicants to the public health program to provide them with information about the program. Provided outreach for the graduate public health program by presenting information at regional public health conferences.
- September 2019-current** CEPH Accreditation Committee member. Met monthly with committee. Worked with the committee coordinator to map and document academic requirements.
- September 2021-current** Public Health Tenure Track Faculty Search Committee Chair. I reviewed curriculum vitae for 80 applicants for 2 faculty positions. I coordinated 12 video interviews and six meetings to discuss the applicants.
- May 2020-January 2022** Inaugural Program Coordinator for the Public Health Doctoral Program. Created the program of study for the doctoral degree. Assisted in the creation of the publicity material for the public health program. Oversaw the creation of the academic advising system for the

public health doctoral program. Worked with Graduate Admissions to create admission standards for the Public Health Doctoral Program. Reviewed and made decisions on all applications for admission to the graduate public health program. Trained ScD student faculty advisors in how to advise their students. Communicated with all potential applicants to the public health program to provide them with information about the program. Provided outreach for the graduate public health program by presenting information at regional public health conferences.

- January 2021-
August 2021** Public Health Tenure Track Faculty Search Committee Chair. I reviewed curriculum vitae for 60 applicants for 2 faculty positions. I coordinated 10 video interviews and three meetings to discuss the applicants.
- September
2019-May 2020** Public Health Tenure Track Faculty Search Committee Chair. I reviewed curriculum vitae for 50 applicants for 1 faculty position. I coordinated 8 video interviews and two meetings to discuss the applicants.
- March 2019-
August 2019** Public Health Adjunct Faculty Search Committee. I reviewed curriculum vitae for 20 applicants for 1 faculty position. I participated in 8 video interviews, attended 2 meetings to discuss the applicants, and assisted in hosting 8 invited candidates for campus visits.
- November
2018-March
2019** Public Health Tenure Track Faculty Search Committee Chair. I reviewed curriculum vitae for 50 applicants for 1 faculty position. I coordinated 8 video interviews, two meetings to discuss the applicants, and hosted 1 invited candidate for a campus visit.
- December
2014-March
2015** Community Health and Sustainability Faculty Search Committee. I reviewed curriculum vitae for 50 applicants for 4 faculty positions. I participated in 12 video interviews, attended four meetings to discuss the applicants, and assisted in hosting 6 invited candidates for campus visits.
- Spring 2013** Community Health Annual Internship Fair Coordinator. I planned and implemented activities to ensure a successful event to augment the educational experience for department majors including communicating with and ensuring participation of public health professionals from 30 regional organizations.
- Spring 2012** Community Health and Sustainability Faculty Search Committee. I reviewed curriculum vitae for ten applicants, participated in four video interviews, attended three meetings to discuss the applicants, and helped to host an invited candidate for a campus visit.
- Fall 2010** Community Health and Sustainability Enrollment Committee. Along with other department faculty, met with members of UMass Lowell Admissions to discuss ways of increasing enrollment from local Community Colleges into the undergraduate Community Health program.
- Spring 2009** Community Health and Sustainability Departmental Teaching Excellence Award Committee. Reviewed applications and attended one meeting to discuss and decide the awardee.
- Spring 2009** Community Health and Sustainability Departmental Retreat Planning Committee. Attended three meetings. Contributed in planning an agenda and reserving facilities for the event.

3. College Activities

- May 2015-** Department representative to the ZCHS Graduate Curriculum Committee.

current

- September 2017-May 2019** Department representative to the College Personnel Committee. Reviewed 12 applications for tenure. Met twice per year with colleagues to discuss the applications. Wrote committee decisions for 3 applicants.
- Fall 2013** Chair of the College of Health Sciences Transformational Education Committee. This group is tasked with developing a framework for how the College of Health Sciences will implement the University 2020 Strategic Plan. In particular, this committee will create a vision of how the College will use experiential and trans-disciplinary learning to prepare UMass Lowell students for fulfillment and making a difference in the world.
- Fall 2012-May 2015** College of Sciences Undergraduate Program Committee. I worked on this committee to ensure the high quality of SHE program curricula, the high standards of the students enrolled in SHE programs, and the high number of students enrolled in SHE programs. Specifically, I attended monthly meetings during this period in order to help plan the Annual Open House for students considering attending UMass Lowell and the Annual Fall Preview Day for students who are applying to majors in the School of Health and Environment.
- Spring 2012** Wegman Fellowship Selection Committee. I reviewed scholarship applications for approximately 15 graduate and undergraduate students. I met with other faculty representatives to select two recipients of the award.

4. University Service

- September 2018- May 2020** UMass Lowell Faculty Senate. Reviewed and participated in decision-making regarding policies and procedures relevant to the smooth running of the university
- August 2012- November 2018** UMass Lowell Institutional Review Board. Reviewed approximately three expedited research project applications per month. Met once per month to discuss and vote on full reviews of research applications. Worked to ensure that all university research were ethically sound in terms of protecting human and animal subjects, eliminating conflicts of interest in research projects, and ensuring that research resources were being used efficiently.
- October 2014- October 2015** UMass Lowell Transportation Committee. Worked with the manager of Transportation Services to research and implement novel approaches to transportation in order to improve economic, environmental, public relations, and health outcomes for the University related to transportation issues. Met approximately once every 2 months. Planned a data collection project. Provided guidance for the University regarding priorities for interacting with local political and transportation officials.
- November 2013- June 2014** Social Responsibility Student Engagement Committee. Worked on a committee under the Vice-Provost for Undergraduate Education to promote social responsibility in UMass Lowell Curriculum. This pilot project consisted of evaluating the feasibility of assessing social responsibility in an undergraduate course. I attended three workshops aimed at designing courses to promote social responsibility and academic assignments used to measure growth in civic engagement. I went on to use this training to design an academic assignment for one of my courses to measure growth in civic engagement.
- April 2013- June 2014** UMass Lowell Service Learning Course Designation Committee. The purpose of this work is to clarify the role of service learning course designations at UMass Lowell. This includes deciding what the requirements should be to designate a university course as one that uses

service learning techniques. It also includes deciding how to use the existing framework of the Registrar's course descriptions and course coding systems to indicate to students and members of the university community when a course uses service learning techniques.

**February
2011-
December
2011**

UMass Lowell Tobacco Control Working Group, Member. Collaborated with the University of Massachusetts Lowell Dean of Students, Director of Environmental Health and Safety, and Director of University Health Services to plan and implement policies designed to reduce the use of tobacco on campus. In three campus meetings, I provided primary data about the current use of tobacco products on campus and the attitudes towards smoking regulation among UMass Lowell students. I oversaw and guided the work done by students to collect information about tobacco free policies at other universities and how they were implemented. I oversaw a student project to collect information about the use of tobacco among UML employees. I presented this information to the Employee Wellness Committee over two sessions in September and November 2011.