

**September 2019**

**ALEXIS J. HANDAL, Ph.D., M.P.H.**

Professional Address:

Department of Epidemiology  
University of Michigan School of Public Health  
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**EDUCATION HISTORY:**

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|-----------|---|
| 2006-2007 | <b>Post-doctoral Fellowship</b><br>Division of Epidemiology, Statistics and Prevention Research (DESPR)<br>National Institute for Child Health and Human Development (NICHD)  |
| 2002-2006 | <b>Ph.D. in Epidemiological Science</b><br>University of Michigan-Ann Arbor MI<br>Graduation: May 2006. G.P.A. of 7.4 out of 8.0<br><i>Dissertation:</i> Pesticide Exposure and Neurobehavioral Development in Ecuadorian Infants and Children: A Component of the EcoSalud Project (CEAS/IDRC) |
| 2000-2002 | <b>M.P.H. in Epidemiology-International Health</b><br>University of Michigan-Ann Arbor MI<br>Graduation: April 2002. G.P.A. of 7.633 out of 8.000   |
| 1994-1998 | <b>B.A. in Biochemistry and Molecular, Cellular, Developmental Biology</b><br>University of Colorado-Boulder CO<br>Minor in Chemistry.<br>Graduation: December 1998. G.P.A of 3.439 out of 4.000  |

**EMPLOYMENT HISTORY:**

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|--------------|--|
| 9/19-present | <b>Associate Professor with Tenure</b> , University of Michigan, School of Public Health, Department of Epidemiology, Ann Arbor, MI  |
| 7/16-8/19    | <b>Associate Professor with Tenure</b> , University of New Mexico, College of Population Health, Albuquerque, NM   |
| 7/15-6/16    | <b>Associate Professor with Tenure</b> , University of New Mexico, School of Medicine, Department of Family and Community Medicine, Albuquerque, NM                        |
| 11/12-11/17  | <b>Senior Fellow</b> , University of New Mexico, New Mexico Center for the Advancement of Research, Engagement, & Science on Health Disparities (NM CARES), Albuquerque NM |
| 1/11-2018    | <b>Senior Fellow</b> , University of New Mexico, Robert Wood Johnson Foundation Center for Health Policy, Albuquerque NM   |
| 1/08-6/15    | <b>Assistant Professor – Tenure Track</b> , University of New Mexico, School of Medicine, Department of Family and Community Medicine, Albuquerque, NM                     |
| 6/06-11/07   | <b>Post-doctoral Fellow</b> , National Institute of Child Health and Human Development (NICHD), Rockville, MD  |
| 3/03-1/08    | <b>Associate Investigator</b> , Centro de Estudios y Asesoría en Salud (CEAS), Quito, Ecuador  |

- 9/01-4/02            **Graduate Research Assistant** for Community Action Against Asthma Study (CAAA), University of Michigan School of Public Health, Ann Arbor, MI
- 5/01-7/01            **Research Associate** under Dr. Fernando Ortega, Universidad de San Francisco de Quito-Cumbaya, Ecuador
- 8/00-3/01            **Bilingual Interviewer** for two different public health studies, University of Michigan School of Public Health, Ann Arbor, MI

**PROFESSIONAL RECOGNITION and HONORS:**

- 2018                    **2018-2020 U.S. Fulbright Scholar Award, US Department of State**
- 2012                    **2012 Apple for the Teacher Award – Faculty Excellence in Biomedical Sciences Graduate Education** by the University of New Mexico, School of Medicine
- 2011                    Nominated **2011 UNM HSC Faculty Research Excellence Award for Junior Faculty**
- 2006                    **Special Commendation** for the **Rebecca James Baker Memorial Prize**
- Awarded for scientific excellence, integrity, compassion, resourcefulness, and patience in cross-cultural research for the improvement of public health
- 2006                    **First place** for the **2006 Congress of Epidemiology Student Paper Prize**
- 2005                    **Jan L. DeVries Scholarship for Excellence in International Health**, University of Michigan, Department of Epidemiology
- 2005                    **Invited Participant** in the Society for Epidemiological Research (SER) Student Workshop
- 2003-2004            **Fulbright Student Grant, US Department of State**
- 2003                    **Graduate Seminar on Global Transformations Research Fund**, University of Michigan, International Institute
- 2002                    **Rackham Merit Fellowship**, University of Michigan, Rackham School of Graduate Studies
- 2002                    **CRECH Doctoral Training Fellowship**, University of Michigan, Center for Research on Culture, Ethnicity and Health (CRECH), with funding from NIGMS
- Promotes ethnic diversity in public health research
  - Provides fellows a forum for applied research on racial/ethnic differences in health
  - Selection based on interest shown by the fellow in promoting diversity in public health research
- 2000                    **Tuition Assistance Scholarship**, University of Michigan
- Selection based on merit shown in undergraduate work as well as the expected contribution that the recipient will make in the field of public health

**MEMBERSHIP IN PROFESSIONAL SOCIETIES:**

- American Public Health Association
- International Epidemiological Association
- International Society for Children’s Health and the Environment (founding member; Council Member)
- International Society for Environmental Epidemiology
- Society for Epidemiologic Research

**PUBLICATIONS:****PEER-REVIEWED ARTICLES:**

\* Student trainee

\*\* Invited Collaborator the Global Burden of Disease Consortium – participation in review of data and manuscript development

1. **Handal AJ**, Lozoff B, Breilh J, Harlow SD. Effect of Community of Residence on Neurobehavioral Development in Infants and Young Children in a Flower Growing Region of Ecuador. *Environmental Health Perspectives* 115(1): 128-133. 2007.
2. **Handal AJ**, Lozoff B, Breilh J, Harlow SD. Neurobehavioral Development in Children with Potential Exposure to Pesticides in a Cut-Flower Growing Region of Ecuador. *Epidemiology* 18(3): 312-20. 2007.
3. **Handal AJ**, Lozoff B, Breilh J, Harlow SD. Socio-demographic and Nutrition Correlates of Neurobehavioral Development in Ecuadorian Children. *Pan American Journal of Public Health* 21(5): 292-300. 2007.
4. **Handal AJ**, Harlow SD., Breilh J, Lozoff B. Occupational Exposure to Pesticides during Pregnancy and Neurobehavioral Development in Ecuadorian Children in a Flower Growing Region of Ecuador. *Epidemiology* 19(6): 851-9. 2008.
5. Louis GM, Cooney MA, Lynch CD, **Handal A**. Periconception window: advising the pregnancy-planning couple. *Fertility and Sterility* 89 (2 Suppl): e119-21. 2008.
6. **Handal AJ**, Harlow SD. Employment in the Ecuadorian cut-flower industry and risk of spontaneous abortion. *BMC International Health and Human Rights*. *BMC International Health and Human Rights* 9:25. 2009.
7. Iriart C, **Handal AJ (corresponding author)**, Boursaw B, Rodrigues G\*. Chronic Malnutrition Among Overweight Hispanic Children: Understand Health Disparities. *Journal of Immigrant and Minority Health* 13(6):1069-75. 2011.
8. Iriart C, Boursaw B, Rodrigues GP\*, **Handal AJ (corresponding author)**. Obesity and malnutrition among Hispanic children in the United States: double burden on health inequities. *Pan American Journal of Public Health* 34(4):235-43. 2013.
9. Iriart C, **Handal AJ**, Iglesias-Rios L\*. Deconstructing common sense on childhood obesity. *Diversitates International Journal* 6(1): 1-22. 2014.
10. Young BN\*, Burgos M, **Handal AJ**, Baker J, Rendon A, Rosas-Taraco A, Long J, Hunley K. Social and clinical predictors of drug-resistant tuberculosis in a public hospital, Monterrey, Mexico. *Annals of Epidemiology* 24(10): 771-775. 2014.
11. **Handal AJ**, McGough-Maduenaa\*, A, Paez M, Skipper B, Rowland AS, Fenske RA, Harlow SD. A pilot study comparing observational and questionnaire surrogate measures of pesticide exposures among residents impacted by the Ecuadorian flower farming industry. *Archives of Environmental & Occupational Health* 70 (4): 232-40. 2015.
12. **Handal AJ**, Hund L, Páez M, Bear S\*, Greenberg C\*, Fenske R, Barr DB. Characterization of pesticide exposure in a sample of pregnant women in Ecuador: Results of a pilot longitudinal cohort study. *Archives of Environmental Contamination and Toxicology* 70(4): 627-39. 2016.
13. Lowe JR, Coulombe P, Moss N, Rieger R, Aragon C, MacLean PC, Caprihan A, Phillips JP, **Handal AJ**. Maternal touch and infant affect: A cross-cultural examination. *Infant Behavior and Development* 44:110-120. 2016.
14. Rae R, Jones M, **Handal AJ**, Bluehorse-Anderson M, Frazier S, Maltrud K, Percy C, Tso T, Verela F, Wallerstein N. Healthy Native Community Fellowship: An Indigenous Leadership Program to Enhance Community Wellness. *The International Indigenous Policy Journal* 7(4). 2016.
15. \*\*Global Burden of Disease 2015 Mortality and Causes of Death **Collaborators**. Global, regional, and national life expectancy, all-cause and cause-specific mortality for 249 causes of death, 1980-2015: a systematic analysis for the Global Burden of Disease Study 2015. *Lancet* 388(10053): 1459-1544. 2016.

16. \*\*Global Burden of Disease 2015 Disease and Injury Incidence and Prevalence **Collaborators**. Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. *Lancet* 388(10053): 1545-1602. 2016.
17. \*\*Global Burden of Disease 2015 DALYs and HALE **Collaborators**. Global, regional, and national disability-adjusted life years (DALYs) for 315 diseases and injuries and healthy life expectancy (HALE), 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. *Lancet* 388(10053): 1603-1658. 2016.
18. \*\*Global Burden of Disease 2015 Risk Factors **Collaborators**. Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. *Lancet* 388(10053): 1659-1724. 2016.
19. \*\*Global Burden of Disease 2015 Child Mortality **Collaborators**. Global, regional, national and selected subnational levels of stillbirths, neonatal, infant, and under-5 mortality, 1980-2015: a systematic analysis for the Global Burden of Disease Study 2015. *Lancet* 388(10053): 1725-1774. 2016.
20. \*\*Global Burden of Disease 2015 Maternal Mortality **Collaborators**. Global, regional, and national levels of maternal mortality, 1990-2015: a systematic analysis for the Global Burden of Disease Study 2015. *Lancet* 388(10053): 1775-1812. 2016.
21. **Handal AJ**, Garcia Saavedra L\*, Schrader R, Aragón CL, Páez M, Lowe JR. Assessment of Maternal-Infant Interaction: Application of the Still Face Paradigm in a Rural Population of Working Women in Ecuador. *Maternal and Child Health Journal* 21(3): 458-466. 2017.
22. \*\*Global Burden of Disease 2016 Child Mortality **Collaborators**. Global, regional, and national under-5 mortality, adult mortality, age-specific mortality, and life expectancy, 1970-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet* 390 (10100): 1084-1150. 2017.
23. \*\*Global Burden of Disease 2016 Causes of Death **Collaborators**. Global, regional, and national age-sex specific mortality for 264 causes of death, 1980-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet* 390 (10100): 1151-1210. 2017.
24. \*\*Global Burden of Disease 2016 Disease and Injury Incidence and Prevalence **Collaborators**. Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet* 390 (10100): 1211-1259. 2017.
25. \*\*Global Burden of Disease 2016 DALYs and HALE **Collaborators**. Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet* 390 (10100): 1260-1344. 2017.
26. \*\*Global Burden of Disease 2016 Risk Factors **Collaborators**. Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet* 390 (10100): 1345-1422. 2017.
27. Soto Mas F, **Handal AJ**, Rohrer R, Tomalá E. Health and safety in organic farming: a qualitative study. *Journal of Agromedicine* 23(1): 92-104. 2018.
28. Brigance C\*, Sanchez V, Soto Mas F, **Handal AJ**. The mental health of the organic farmer: psychosocial and contextual actors. *Workplace Health and Safety*. Epub ahead of print. 2018.
29. \*\*Global Burden of Disease 2017 Population and Fertility **Collaborators**. Population and fertility by age and sex for 195 countries and territories, 1950-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet* 10; 392(10159):1995-2051. 2018.
30. \*\*Global Burden of Disease 2017 Risk Factor **Collaborators**. Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*. 10;392(10159):1923-1994. 2018

31. **\*\*Global Burden of Disease 2017 Disease and Injury Incidence and Prevalence Collaborators.** Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet.* 10;392(10159):1789-1858. 2018.
32. **\*\*Global Burden of Disease 2017 Causes of Death Collaborators.** Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet.* 10;392(10159):1736-1788. 2018.
33. **\*\*Global Burden of Disease 2017 Mortality Collaborators.** Global, regional, and national age-sex-specific mortality and life expectancy, 1950-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet.* 10;392(10159):1684-1735. 2018.
34. **\*\*Global Burden of Disease 2017 DALYs and HALE Collaborators.** Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet.* 10;392(10159):1859-1922. 2018.
35. Sania A, Sudfeld C, Goodarz D, Fink G, McCoy DC, Zhu Z, Fawzi M, Akman M, Arifeen S, Barros AJD, Bellinger D, Black M, Bogale A, Braun J, van den Broek N, Carrara VI, Duazo P, Duggan CP, Fernald L, Gladstone M, Hamadani J, **Handal AJ**, Harlow SD, Hidrobo M, Kuzawa CW, Kvestad I, Locks L, Manji K, Masanja H, Matijasevich A, McDonald C, McGready R, Rizvi A, Santos D, Santos L, Save D, Shapiro R, Stoecker BJ, Strand TA, Taneja S, Tellez-Rojo MM, Tofail F, Yousafzai AK, Ezzati M, Fawzi W. Early life risk factors of motor, cognitive, and language development: a pooled analysis of studies from low-and middle-income countries. *In press.* *BMJ Open.*

**\*\*In the Global Burden of Disease papers, I contributed substantively to the data compilation and to the content of the manuscript. Many suggestions I made to drafts were reflected in the final published versions.**

#### **BOOK CHAPTERS:**

Breilh J, Campaña C, Hidalgo F, Sánchez D, Larrea ML, Felicita O, Valle E, MacAleese J, Lopez J, **Handal A**, Zapatta A, Maldonado P, Ferrero J, Morel S. 2005. Floricultura and the Health Divide: A Struggle for Fair and Ecological Flowers. In: (Centro de Estudios y Asesoría, CEAS), editor. *Latin American Health Watch: Alternative Latin American Health Report.* Quito: Global Health Watch; p. 66-79.

#### **OTHER WRITING AND SCHOLARLY PRODUCTS:**

Trans-disciplinary Working Group. Trans-disciplinary Guidelines for Researching “Race.” 2010. Institute for the Study of “Race” and Social Justice, Robert Wood Johnson Foundation Center for Health Policy, University of New Mexico. <http://healthpolicy.unm.edu/node/486>

#### **WORKS IN PROGRESS:**

##### Submitted Manuscripts:

**Handal AJ**, Hund L, Shen X\*, Harlow SD. Occupational stress and social support among pregnant Ecuadorian workers: a pilot study. Under review.

Hess JM, Goodkind JR, Vasquez Guzman CE, Hernandez-Vallant A, **Handal AJ**, Huyser KR, Galvis M, ... & Carreon Fuentes A. Innovations for participatory bilingual data analysis with Latinx immigrants: Language, power, and transformation. Under review.

Hess JM, Wagner WG, Goodkind J, **Handal AJ**, Huyser KR, Vasquez Guzman CE, Hernandez-Vallant A, ... Carreon Fuentes A. (2019). Immigrant Well-being Project: Building community and social transformation through a multilevel mental health community-university research partnership. In N. Deeb-Sossa & J. Bickham Mendez (Eds.), *Beyond Deportability: Latinx Resilience and the Production of Belonging in the US.* University of Arizona Press. Book chapter under review.

Carmody M\*, Cruz TH, Soto Mas F, Qeadan F, **Handal AJ**. The Impact of Violence Victimization on the Academic Performance of Sexual and Gender Minority College Students. Manuscript in preparation.

In preparation:

**Handal AJ**, Vasquez Guzman CE, Hernandez-Vallant A, Hess JM, Parker D, Rodriguez F, Casas N, Medina D, Galvis M, Torres DA, Chavez MJ, Goodkind J. Measuring Latina/o Immigrant Experiences: Adaptation of Discrimination, Social Cohesion, and Historical Trauma Scales

Vasquez Guzman CE, Hess JM, Casas N, Medina D, Galvis M, Torres DA, **Handal AJ**, Carreon Fuentes A, Hernandez-Vallant A, Chavez MJ, Rodriguez F, Goodkind J. Inclusion and Exclusion Trajectories of Mixed-Status Latino/a Immigrants in the United States: Individual Agency, Structural Constraints, and the Role of Community-Based Organizations in Their Mobilities. Manuscript in preparation.

Cervantes IM\*, Cruz TH, Woelk L, **Handal AJ**. Factors Associated with Engaging People Who Identify as Males in Preventing Sexual Violence from the Perspective of U.S.-Based Organizations. Manuscript in preparation.

Goodkind J, Hess JM, Hernandez-Vallant A, Vasquez Guzman E, Huyser KR, **Handal AJ**, Chavez M, ... Landau J. (in preparation). *Reflections on translational research and implementation science from a social justice intervention partnership for refugee and immigrant mental health*. Manuscript in preparation.

**INVITED OR REFEREED ABSTRACTS PRESENTED AT PROFESSIONAL MEETINGS:**

**Handal AJ**, Lozoff B, Breilh J, Harlow SD. "Exposición a plaguicidas y desarrollo neurológico de infantes y niños en Cayambe, Ecuador: Un componente del Proyecto Eco-Salud (CEAS/CIID)." International Workshop on Environmental Health in Latin America: Developing a Gender Perspective, Alajuela, Costa Rica, February 6-9, 2005.

**Handal AJ**, Harlow SD, Breilh J, Lozoff B, Breilh J. "Maternal Occupation in the Ecuadorian Cut-Flower Industry during Pregnancy and Neurobehavioral Development in Ecuadorian Infants and Children." 2006 Congress of Epidemiology, Seattle, Washington, June 21-24, 2006.

**Handal AJ**, Lozoff B, Breilh J, Harlow SD. "Pesticide Exposure and Neurobehavioral Development in Ecuadorian Infants and Children: A Component of the EcoSalud Project (CEAS/IDRC)." 18th Conference of the International Society for Environmental Epidemiology, Paris, France, September 2-6, 2006.

**Handal AJ**, Lynch CD, Jackson LW, Kostyniak PJ, Buck Louis, GM "Very Early *in utero* Exposure to Organochlorine Pesticides and Neurobehavioral Development in Toddlers." Summit on Environmental Challenges to Reproductive Health and Fertility, San Francisco, California, January 28-30, 2007.

Buck Louis GM, Cooney M, **Handal AJ**. "Preconception as a Critical Window: Advising the Pregnancy Planning Couple." Summit on Environmental Challenges to Reproductive Health and Fertility, San Francisco, California, January 30, 2007.

**Handal AJ**, Harlow SD. "An exploratory analysis of the relationship between employment in the Ecuadorian cut-flower industry and the risk of pregnancy loss." 19<sup>th</sup> Conference of the International Society for Environmental Epidemiology, Mexico City, Mexico, September 5-9, 2007.

**Handal AJ**, Lynch CD, Jackson LW, Kostyniak PJ, Buck Louis, GM. "Exposure to Organochlorine Pesticides and Neurobehavioral Development in Toddlers." 19<sup>th</sup> Conference of the International Society for Environmental Epidemiology, Mexico City, Mexico, September 5-9, 2007.

**Handal AJ**. "Pesticide Exposure and Neurobehavioral Development in Ecuadorian Infants and Childrean: An EcoHealth Approach" 20<sup>th</sup> International Conference in Occupational Health Epidemiology/10<sup>th</sup> Symposium on Neurobehavioral Methods and Effects in Environmental and Occupational Health, San Juan, Costa Rica, June 9-13, 2008.

Iriart C, **Handal AJ**. "Food Access & Childhood Nutrition in Immigrant Families: A Community Based Participatory Research Planning Project." New Mexico Public Health Association Annual Conference, Albuquerque, New Mexico, May 7, 2010.

Iriat C, **Handal AJ**, Boursaw B, Rodrigues G\*. "Childhood Nutrition and Health Inequities: Understanding Social Determinants." 1<sup>st</sup> Annual UNM National Health Disparities Conference, Albuquerque, New Mexico, May 23-24, 2011.

**Handal AJ**, McGough-Madueña A\*, Páez M\*, Turqueres K, Waters WF, Harlow SD, Rowland AS, Barr DB, Fenske RA. “Ecuadorian Cut-Flower Industry: Environmental Assessment of Residential Pesticide Exposure.” Society for Epidemiologic Research Annual Meeting, Minneapolis, Minnesota, June 29, 2012.

Young BN\*, Rendon A, Rosas-Taraco A, **Handal A**, Baker J, Long J, Burgos K, Hunley K. Education and marital status are protective against active tuberculosis in Monterrey, Mexico. American Journal of Physical Anthropology: AAPA Conference Abstracts. AAPA Annual Meeting, Portland, Oregon, 2012.

**Handal AJ**, Rowland AS, Shen X\*, Skipper B, Hund L, Harlow SD. “Occupational and Social Stress among Pregnant Flower Workers in Ecuador.” American Psychological Association Conference on Work, Stress and Health 2013: Protecting and Promoting Total Worker Health, Los Angeles, California, May 16-19, 2013.

**Handal AJ**, Hund L, Páez M, Bear S\*, Greenberg C\*, Fenske RA, Barr DB. “Characterization of pesticide exposure in a sample of pregnant women in Ecuador: Results of a pilot longitudinal cohort study.” 26th annual International Society for Environmental Epidemiology Conference, Seattle, Washington, August 24-28, 2014.

**Handal AJ**, Vera Adrianzen FP\*, Páez M\*, Iriart C. “Knowledge and experiences of work conditions among female workers in a flower-growing region of Ecuador: A qualitative study.” 27th annual International Society for Environmental Epidemiology Conference, Sao Paulo, Brazil, August 30-September 3, 2015.

**Immigrant Wellbeing Project Research Team**. “Immigrant Wellbeing Project: A Community-based Intervention to Address Social Determinants of Mental Health for Mexican Immigrants.” A Symposium at the Global Alliance for Behavioral Health and Social Justice Conference, Denver, Colorado, October 5, 2018.

Hernandez-Vallant A, Goodkind JR, Hess JM, **Handal AJ**, Vasquez Guzman CE, Huyser KR, Chavez MJ, ... & Anahi Torres D. “Initial Findings from the Process of Developing, Adapting and Implementing a Multilevel Social Justice Intervention for Spanish-Speaking Immigrants.” Poster to be presented at the National Latinx Psychology Association conference, Miami, Florida, October 2019.

## CONTRIBUTED PRESENTATIONS:

Taller para la Priorización en Investigación de Ftalatos y Plaguicidas, Toluca, Mexico, December 11-13, 2005

*“Maternal Occupation in the Ecuadorian Cut-Flower Industry during Pregnancy and Neurobehavioral Development in Ecuadorian Infants and Children”*

Transdisciplinary “Race” Working Group, Institute for the Study of “Race” and Social Justice, Robert Wood Johnson Foundation Center for Health Policy, University of New Mexico, Albuquerque NM, April 9, 2010

*“Social Epidemiology and the Challenge of “Race” as a Construct in Research and Practice”*

Community Advisory Board Presentation, Cayambe Ecuador, January 10, 2011

*“Trabajo Maternal en Floricultura y sus Impactos en el Desarrollo Infantil en la Región Cayambe-Pedro Moncayo: Presentación a la Junta Comunitaria Consultiva”*

Early Childhood Development Workshops, Cayambe, Ecuador, March 15, 2012

*“A Developmental Perspective Reading Infants Cues”*  
*“Infancy”*

Community Advisory Board Presentation, Cayambe Ecuador, January 7, 2013

*“Trabajo Maternal en Floricultura y sus Impactos en el Desarrollo Infantil en la Región Cayambe-Pedro Moncayo: Presentación a la Junta Comunitaria Consultiva”*

Community Advisory Board Presentation, Cayambe, Ecuador, June 24, 2014

*“La Salud de Trabajadoras Embarazadas y Sus Hijos: Diseminación de los Resultados de Investigación y Sigüientes Pasos”*

Study Participant Presentation, Dissemination of Study Results & Next Steps, Cayambe, Ecuador, March 15, 2015

*“La Salud de Trabajadoras Embarazadas y Sus Hijos”*

**INVITED LECTURES:**

- Department of Epidemiology, University of Michigan, Ann Arbor MI, June 1, 2018.  
*"Women and Work: Implications for MCH, Child Development and Health Equity. A Perspective from Latin America"*
- Epidemiology Seminar Series, Department of Epidemiology, University of Michigan, Ann Arbor MI, November 30, 2017  
*"Impact of large-scale agricultural production on maternal and child health: a case study from Ecuador"*
- International Society for Children's Health and the Environment Annual Retreat, Whidbey Island, Washington, August 10, 2017  
*"Intersection of social and environmental epidemiology: What qualitative methods tell us"*
- The George Warren Brown School of Social Work, Washington University in St. Louis, St. Louis, MO, February 13, 2017  
*"Women and Work: Implications for MCH, Child Development and Health Equity. A Perspective from Latin America"*
- Icahn School of Medicine at Mount Sinai, Department of Preventative Medicine, New York City, NY, August 4, 2016  
*"Women and Work: Implications for MCH, Child Development and Health Equity. A Perspective from Latin America"*
- UNM Conference on Fieldwork: Conducting Fieldwork under Complicated Circumstances, Albuquerque NM, April 22, 2016  
*"Large-scale agricultural industry, women workers and the power dynamics that impact research and action: the case of the Ecuadorian flower industry"*
- U.S. Department of State, Council for International Relations, Global Women's Health Issues Program, NM Department of Health, Santa Fe, NM, March 14, 2016  
*"Women and Work: Implications for MCH, Child Development and Health Equity. A Perspective from Latin America"*
- Occupational Health Seminar Series, Center for Occupational Health and Safety Engineering, University of Michigan, Ann Arbor MI, January 22, 2016  
*"Women and Work: Implications for MCH, Child Development and Health Equity. A Perspective from Latin America"*
- International Society for Children's Health and the Environment Annual Retreat, Cuernavaca, Mexico, January 7, 2016  
*"Women and Work: Implications for child development and health equity"*
- 2011/2012 Health Equity Speaker Series, Center for Social Epidemiology and Population Health, School of Public Health, University of Michigan, Ann Arbor MI, November 17, 2011  
*"Women and Work: Implications for child development and health equity from a global perspective"*
- Department of Internal Medicine Epidemiology-Biostatistics Faculty Meeting, University of New Mexico, Albuquerque, New Mexico, February 7, 2011.  
*"Impact of Maternal Occupation in the Ecuadorian Flower Industry on Child Development"*
- Department of Epidemiology, School of Public Health, University of Michigan, Ann Arbor MI, November 18, 2010  
*"Child Development: A Global Public Health Issue"*
- Student Organization for Latin American Studies (SOLAS) Brown Bag Lecture Series, University of New Mexico, Albuquerque NM, October 6, 2010  
*"Impact of Maternal Occupation in the Ecuadorian Flower Industry on Child Development"*
- Signature Program in Child Health Research, University of New Mexico Health Sciences Center, Albuquerque NM, February 24, 2010  
*"Impact of Maternal Occupation in the Ecuadorian Flower Industry on Child Development"*
- The Center for Participatory Research with the Clinical and Translational Science Center: Community Engagement and Research Seminar Series – 2009 Mini-Grantee Projects: Applications of CBPR, Albuquerque, New Mexico, September 16, 2009  
*"Food Access, Nutrition and Health Policy: Planning a Community Based Participatory Research"*
- Environmental Health Initiative, American Association on Intellectual and Developmental Disabilities, Washington DC, February 10, 2009  
*"Environmental Impacts on Neurodevelopment: A Case Study from Ecuador"*



International CBPR Panel, Center for Participatory Research and the Clinical and Translational Science Center, University of New Mexico, Albuquerque, New Mexico, February 10, 2009

*“Maternal Occupation in the Ecuadorian Flower Industry and Neurobehavioral Development in Infants and Children: An EcoHealth Approach”*

24<sup>th</sup> International Neurotoxicity Conference, San Antonio, Texas, November 11-14, 2007

*“Pesticide Exposure and Neurobehavioral Development in Ecuadorian Infants and Children: An Ecohealth approach”*

Department of Epidemiology, School of Public Health, University of Michigan, Ann Arbor, Michigan, April 10, 2007

*“Environmental Influences on Neurobehavioral Development”*

Universidad Salesiana-Cayambe, Cayambe, Ecuador, March 20, 2006

*“Plaguicidas y sus Impactos en el Desarrollo Infantil en la Región Cayambe-Pedro Moncayo: Un componente de Proyecto EcoSalud (CEAS/CIID)”*

NIEHS Epidemiology Branch, Research Triangle Park, North Carolina, September 20, 2005

*“Pesticide Exposure and Neurobehavioral Development in Ecuadorian Infants and Children: A Component of the EcoSalud Project (CEAS/IDRC)”*

Department of Epidemiology, School of Public Health, University of Michigan, Ann Arbor, Michigan, February 22, 2005

*“Pesticide Exposure and Neurobehavioral Development in Ecuadorian Infants and Children: A Sub-Component of the EcoSalud Project (CEAS/IDRC)”*

III Conference on Occupational and Environmental Health in the Americas: integrating the Americas facing globalization, Hermosillo, Mexico, February 13-15, 2005

*“Exposición a plaguicidas y desarrollo neurológico de infantes y niños en Cayambe, Ecuador: Un componente del Proyecto Eco-Salud (CEAS/CIID)”*

**CURRENT GRANT and CONTRACT FUNDING:**

Maternal ethylenethiourea levels, newborn thyroid function & infant development

Handal (PI)

NIH/NIEHS R01

4.6 Calendar

09/30/2017 – 07/31/2022

\$2,506,687.00

Diversity Supplement: Maternal ethylenethiourea levels, newborn thyroid function & infant development

Handal (PI)

NIH/NIEHS R01

02/01/2019 – 07/31/2022

\$275,659.00

Adaptation of a Transdisciplinary Model to Address Social-Structural Determinants of Mental Health among Mexican Immigrants

Goodkind (PI); Handal (co-investigator)

NIMHD Centers for Excellence on Minority Health and Health Disparities (U54): Research Project

0.6 Calendar

09/23/2017- 06/30/2022

\$1,000,000.00

Migrant and seasonal farmworkers health and labor: building a foundation for community-based participatory research in Michigan

Handal (PI)

1.2 Calendar

Funders:

M-LEEd Center, University of Michigan

4/01/2019-3/31/2020

\$35,000.00

Center for Occupational Health and Safety Engineering (COHSE) Pilot Project Research Training Program, University of Michigan

7/1/19-6/30/2020

\$4000.00

Edward Ginsberg Center Engagement Grant, University of Michigan

6/1/19-5/31/20

\$7000.00

**PENDING GRANT and CONTRACT FUNDING:**

None

**PAST GRANT and CONTRACT FUNDING:**

*FEDERAL (NIH, IHS, Choctaw Nation):*

Health, Safety & Psychosocial Organic Farming Survey

Soto Mas (PI); Handal (co-investigator)

CDC/NIOSH Southwest Center for Agricultural Disease and Injury

0.48 Calendar

9/30/2018 – 8/31/2019

\$281,845.00

Impact of maternal work in the Ecuadorian flower industry on infant development

Handal (PI)

3.0 Calendar

NIH/NIEHS R21

09/24/2010 – 02/28/2013

\$386,425.00

Healthy Native Communities Partnership. Evaluation of National Training Initiative for Tribal Leadership Teams

Wallerstein (PI); Handal (co-investigator)

0.04 Calendar

Healthy Native Community Partnership (HNCP)

10/01/2012 – 09/30/2013

\$82,000.00

Healthy Native Communities Partnership. Evaluation of National Training Initiative for Tribal Leadership Teams

Wallerstein (PI); Handal (co-investigator)

1.0 Calendar

Healthy Native Community Partnership (HNCP)

10/01/2011 – 09/30/2012

\$82,000.00

Healthy Native Communities Partnership. Evaluation of National Training Initiative for Tribal Leadership Teams

Wallerstein (PI); Handal (co-investigator)

1.0 Calendar

Choctaw Nation

10/01/2010 – 09/30/2011

\$82,762.00

Healthy Native Communities Partnership. Evaluation of National Training Initiative for Tribal Leadership Teams

Wallerstein (PI); Handal (co-investigator)

1.2 Calendar

Choctaw Nation

01/01/2010 – 09/30/2010

\$38,000.00

***OTHER:***

Impact of maternal work in the Ecuadorian flower industry on infant development: Qualitative Analysis of Participants' Experiences and Perceptions

Handal (PI)

Signature Program in Environmental Health Sciences – UNM HSC

07/01/2014 – 06/30/2015

\$10,000.00

Border Research Working Group

Cacari Stone (PI), Heyman (Co-PI); Handal (invited working group member)

InterUniversity Program for Latino Research (IUPLR), University of Illinois, Chicago

April 2014-August 2015

Institutional Members: UNM Southwest Hispanic Research Institute, UTEP Center for Inter-American Border Studies

Faculty members: 20 members by invite only based on their scholarly interests, 6 from UNM; 8 from UTEP; 6 from NMSU

\$5,000 (from IUPLR); additional matching funds: \$10,000 (\$5,000 from UNM RWJF Center; \$5,000 from UNM SHRI)

Pesticide Exposure Trends in Pregnant Flower Workers

Handal/Hund (Co-PI)

SOM Research Allocation Committee – UNM HSC

11/01/2013 – 10/31/2014

\$8,595.00

Maternal Work and Infant Development: Final Research Activities and Continued Research Planning

Handal (PI)

University of New Mexico Latin American/Iberian Institute

06/21/2014 – 07/6/2014

\$1,187.20

Impact of maternal work in the Ecuadorian flower industry on infant development

Handal (PI)

Signature Program in Child Health Research – UNM HSC

08/01/2012 – 06/30/2013

\$19,000.00

Impact of maternal work in the Ecuadorian flower industry on infant

Handal (PI)

University of New Mexico Latin American/Iberian Institute

04/01/2012 – 03/31/2013

\$1,749.00

Obesity and Malnutrition among Hispanic Children in the United States: Double Burden on Health Inequities

Handal/Iriart (Co-PI)

RWJF Center for Health Policy at UNM

01/30/2012 – 10/30/2012

Statistical support

Planning Grant: Building Sustainable Research Capacity and Continued Research Collaborations in Ecuador

Handal (PI)

University of New Mexico Latin American/Iberian Institute

04/01/2010 – 03/31/2011

\$1,993.00

Chronic Malnutrition in Overweight Children

Handal/Iriart (Co-PI)

SOM Research Allocation Committee – UNM HSC

03/01/2010 – 02/28/2011

\$24,719.00

Food access, nutrition, and health policies: planning a participatory research

Handal/Iriart (Co-PI)

1.20 Calendar

Kellogg Foundation

01/01/2009 – 06/30/2009

\$11,000.00

Impact of Maternal Occupation in the Cut-Flower Industry on Child Development

Handal (PI)

University of New Mexico Latin American/Iberian Institute

04/01/2009 – 03/31/2010

\$2,410.00

**TEACHING / EDUCATION / MENTORING:*****Mentoring of post-docs, junior faculty in research and scholarship:***

2019-present	Lisbeth Iglesias-Rios, PhD MPH MS (UM Post-doctoral fellow; grant preparation and submission processes, research environment at UNM; education mentoring)
2017-present	Sheldwin Yazzie, PhD MPH (UNM Post-doctoral fellow; grant preparation and submission processes, research environment at UNM; education mentoring)
2015-present	Yolanda Teran, PhD (navigating academic environment as a Woman of Color, research environment at UNM)
2017-2019	Noell Stone, MPH (COPH lecturer; Epidemiology educational approaches)
2013-2015	Lauren Hund, PhD (grant preparation and submission processes, research environment at UNM, educational approaches)

***Doctoral Students Mentoring:***

Spring 2009-2012	Bonnie Young, PhD MPH Mentor and Dissertation Committee Member: Ph.D. with Distinction, Department of Anthropology, University of New Mexico, Albuquerque, NM, 2012: Dissertation: Effects of Genetic Ancestry and Sociocultural Factors on Pulmonary Tuberculosis Susceptibility in Northeastern Mexico
Summer 2011-Spring 2019	Lisbeth Iglesias-Rios MPH MS Mentor: PhD Candidate, Department of Epidemiology, University of Michigan.
Spring 2015-ongoing	Fiorella Vera-Adrianzen Mentor: PhD Candidate, Department of Political Science, University of New Mexico
Spring 2015-Spring 2018	Belinda Vicuna Mentor: PhD Candidate, Department of Psychology, MPH candidate, Public Health Program, University of New Mexico

***Master of Public Health Students Mentoring:*****UNM MPH Advisor**

Fall 2008-Fall 2010	Clair Pestak
Fall 2008-Spring 2010	Nancy Eisenberg
Fall 2009-Spring 2012	Selina Keryte
Fall 2010-Spring 2012	Maya Rendulic
Fall 2010-Spring 2012	Alison McGough-Madueno
Fall 2010-Fall 2012	Judith Segall
Fall 2010-Spring 2013	Clarissa Hoover
Fall 2012-Summer 2014	Miquela Garcia
Spring 2012-Summer 2013	Luigi Garcia Saavedra
Fall 2014-Spring 2015	Erin Madden
Fall 2014-Summer 2017	Laura Morris
Spring 2015-Fall 2016	Courtney Fitzgerald
Summer 2015-Fall 2018	Martha Mueller
Fall 2015-Summer 2017	W. Isaac Burleigh
Fall 2015- Summer 2017	Ivy Vitanzos Cervantes
Summer 2016-Fall 2016	Lucretia Vigil
Summer 2016-Fall 2016	Glenna Lee
Summer 2017-Summer 2018	Lionel Candelaria
Fall 2017-Summer 2018	Alexandra Villegas
Fall 2017- Spring 2019	Devon Lara
Fall 2017- Spring 2019	Alyssa Adams
Fall 2017-Summer 2018	Mary Carmody
Fall 2017-Summer 2018	Jenna Helton
Fall 2017- Spring 2019	Fadi Ali Jamaledin Ahmad
Fall 2017- Spring 2019	Shoshana Adler Jaffe
Summer 2018-Summer 2019	Melissa Christian
Summer 2018-Summer 2019	Summer Shepherd
Fall 2018-Summer 2019	Yadira Salazar-Sanchez

**UNM MPH Oral Examination:**Chaired

2010 Claire Pestak  
 2011 Nancy Eisenberg  
 2012 Maya Rendulic  
 2012 Selina Keryte  
 2012 Alison McGough-Madueno  
 2014 Miquela Garcia

Committee member

2009 Bryan Patterson  
 2009 Alya Reeve  
 2010 Fredine Lauer  
 2010 Doreen Bird  
 2010 Brigitte Holder Lockyer  
 2010 Lisbeth Iglesias Rios  
 2011 Eugene Tsinajinnie  
 2011 Jacque Garcia

**UNM MPH Professional Paper and Oral Examination:**Chair

Summer 2013 Luigi Garcia Saavedra  
*"Assessment of Infant Emotional Regulation & Maternal-Infant Attachment in 4-month newborns & their mothers in Ecuador"*

Spring-Fall 2013 Tatiana Falcon-Rodriguez  
*"La Floricultura y el Poder: Power-mapping in Rural Ecuador"*

Spring 2017 W. Isaac Burleigh  
*"Examining the Association between Physical Activity and Depression among New Mexico High School Students in 2015"*

Summer 2017 Ivy V. Cervantes  
*"Factors Associated with Engaging People Who Identify as Males in Preventing Sexual Violence from the Perspective of U.S.-Based Organizations"*

Fall 2017 Lionel Candelaria  
*"The Association Between Type II Diabetes Mellitus and Colorectal Cancer Screening Status"*

Spring 2018 Mary Carmody  
*"What is the association between LGBTQ status and Violence Victimization: an analysis of the Campus Climate Study"*

Summer 2018 Martha Mueller  
*"The assessment of the impact planned food safety interventions have on score improvement for restaurant facilities in Albuquerque, New Mexico."*

Summer 2019 Alyssa Adams  
*"Predictors of Breastfeeding Duration in New Mexican Mothers: an NM PRAMS Exploratory Analysis"*

Committee Member

Spring 2012 Erin Lunde  
*"Improving Care of Substance Abusing Pregnant Women in New Mexico: A Policy Approach"*

Summer 2012 Gabriela Rodrigues  
*"Oral Health Care System in Brazil: Lessons for the United States"*

Spring 2013 Gabriela Perez Keener  
*"Evaluating Selection Bias in a Case-Control Study of Vaccine Effectiveness"*

Summer 2013 Anzia Bennett  
*"Deconstructing Obesity: How the national obsession with obesity obscures the structural causes of unhealthy eating in the United States"*

Spring 2014 Tatiana Falcon-Rodriguez  
*"Preventing Gang Violence among Latino Youth: Implications for Public Health Research and Practice"*

Spring 2016	Kelly Fitzpatrick-Cuoco <i>"Gender differences in healthy body weight and physical activity by residence location of American Indian youth in New Mexico"</i>
Spring 2016	Meredith Root <i>"Designing Better Sex Ed: What Do LGBTQ Youth in The United States Need and Want From an Online Sexual Health Resource?"</i>
Summer 2016	Vivra Walkington <i>"Gaps in program/service delivery to low-income families with children aged 0-5 years in New Mexico and the impact on child development."</i>
Fall 2016	Courtney Fitzgerald <i>"Engaging participant/youth voice in the interpretation and application of public health surveillance data: implications for effective and meaningful communication between epidemiologists and communities."</i>
Spring 2017	Laura Morris <i>"Social Capital and the Organic Farmer"</i>
Summer 2017	Diana V. Martínez <i>"Do Culturally Responsive Educational Programs Increase Student Success: A Program Evaluation of Hope, Enrichment, And Learning Transform Health in New Mexico (HEALTH NM)."</i>
Spring 2018	Belinda Vicuña <i>"Interest in Multiplex Genetic Testing for Hereditary Breast Cancer Risk: Hispanic &amp; non-Hispanic At-Risk Families."</i>
Summer 2019	Alin Badillo Carrillo <i>"Untold Stories: The Health and Labor Latinx Experience in Jackson Hole, Wyoming"</i>

#### **Other Master of Public Health Students (UNM and non-UNM)**

Fall 2008-Spring 2011	Lisbeth Iglesias Rios (UNM MPH)
Fall 2009-Summer 2010	Sheldwin Yazzie (UNM MPH)
Fall 2009-Fall 2010	Mam Ibraheem (UNM MPH)
Spring 2011-Spring 2014	Xian Shen (UNM Pharmacy)
Summer 2011	Lauren Shapiro (Emory University, MPH)
Spring 2011	Lisa Leahigh (UNM MPH)
Fall 2011-Summer 2014	Anzia Bennett (UNM MPH, Kellogg Scholar)
Fall 2010-Spring 2013	Gabriela Perez Keener (UNM MPH)
Fall 2010-Summer 2012	Gabriela Rodrigues (UNM MPH)
Spring 2012-Summer 2014	Tatiana Falcon-Rodriguez (UNM MPH)
Spring 2014-Fall 2015	Samantha Bear (UNM MPH)
Spring 2014-Fall 2015	Carolyn Greenberg (UNM MPH)
Fall 2015-Spring 2016	Meredith Root (UNM MPH)
Spring 2017-Summer 2018	Diana V. Martínez (UNM MPH)
Spring 2017-Spring 2019	Alin Badillo Carrillo (UNM LAS MA, concentration in Public Health)

#### **Undergraduate Medical Student Mentoring:**

Spring 2008-Fall 2009	Katherine Flynn-O'Brien
Summer 2012-Spring 2014	Alison McGough-Madueno

#### **Undergraduate Mentoring:**

Fall 2017-Spring 2018	Sofia Olay (Biology, Chicana & Chicano Studies)
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#### **Additional student/alumni mentoring activities**

Fall 2010-ongoing	Maritza Páez (MS Microbiology alumnus, Universidad de San Francisco de Quito)
Summer 2012-Summer 2015	Bonnie Young (Post-doctoral Fellow, Council of State and Territorial Epidemiologists & Centers for Disease Control and Prevention; Post-doctoral Research Fellow, Colorado State University, Department of Environmental and Radiological Health Sciences)
Summer 2013-ongoing	Luigi Garcia Saavedra (UNM MPH graduate, NM DOH epidemiologist).

Fall 2013-ongoing	Diana Cazares (UNM undergraduate student, Early Childhood Multicultural Education)
Spring 2015-Spring 2016	Samuel Swift (UNM MPH graduate, NM DOH epidemiologist)
Spring 2016	Mary-Catherine Goddard (MPH Candidate, Department of Environmental Health, University of Michigan School of Public Health)
Summer 2017-ongoing	Ivy Cervantes (UNM MPH graduate)
Summer 2018-ongoing	Mary Carmody (UNM MPH graduate)

***Classroom, Laboratory Teaching, and Tutoring:***

**Courses Developed at UNM COPH/MPH and dates taught or team-taught:**

2008 Spring	PH 520 Epidemiological Methods II, co-instructor
2009 Spring	PH 520 Epidemiological Methods II, instructor
2009 Spring	PH 522 Public Health Seminar, co-instructor
2009 Fall	PH 522 Public Health Seminar, co-instructor
2009 Fall	PH 560 Social Epidemiology, instructor
2010 Spring	PH 520 Epidemiologic Methods II, instructor
2010 Spring	PH 513 Public Health Seminar, co-instructor
2010 Fall	PH 560 Social Epidemiology, instructor
2010 Fall	PH 513 Public Health Seminar, co-instructor
2011 Spring	PH 520 Epidemiologic Methods II, instructor
2011 Spring	PH 513 Public Health Seminar, co-instructor
2011 Fall	PH 560 Social Epidemiology, instructor
2012 Spring	PH 520 Epidemiologic Methods II, instructor
2012 Fall	PH 560 Social Epidemiology, instructor
2013 Spring	PH 520 Epidemiologic Methods II, instructor
2014 Spring	PH 520 Epidemiologic Methods II, instructor
2014 Fall	PH 524 Social Epidemiology, instructor
2015 Spring	PH 520 Epidemiologic Methods II, instructor
2016 Fall	PH 524 Social Epidemiology, instructor
2016 Spring	PH 520 Epidemiologic Methods II, instructor
2017 Fall	PH 524 Social Epidemiology, instructor
2017 Spring	PH 520 Epidemiologic Methods II, instructor
2017 Spring	PH 210 Essentials of Epidemiology (undergraduate), co-instructor
2017 Fall	PH 524 Social Epidemiology, instructor
2018 Spring	PH 520 Epidemiologic Methods II, instructor
2018 Fall	PH 524 Social Epidemiology, instructor
2018 Fall	PH 560 Analytics I, co-instructor

**Courses Developed at UM SPH and dates taught or team-taught:**

2020 Winter	EPID/EHS 608 Occupational and Environmental Epidemiology, instructor
2020 Winter	EPID 664 Field Methods in Developing Countries, instructor

***Other teaching activities:***

College of Population Health, University of New Mexico, Albuquerque NM, March 19, 2019  
*“Social Epidemiology and Social Determinants of Health: An Introduction” [Invited Lecture, PH 210 Essentials of Epidemiology]*

College of Population Health, University of New Mexico, Albuquerque NM, April 17, 2018  
*“Social Epidemiology and Social Determinants of Health: An Introduction” [Invited Lecture, PH 210 Essentials of Epidemiology]*

College of Population Health, University of New Mexico, Albuquerque NM, October 25, 2017  
*“Importance of conceptual models in epidemiology data analysis” [Invited Lecture, PH 534 Epidemiology Data Analysis]*



- Department of Family and Community Medicine, University of New Mexico, Albuquerque NM, October 27, 2015  
*"Assessment of Causation: How to critically appraise the evidence" [Invited Lecture, PH 502 Epidemiologic Methods I]*
- Department of Family and Community Medicine, University of New Mexico, Albuquerque NM, November 18, 2014  
*"Assessment of Causation: How to critically appraise the evidence" [Invited Lecture, PH 502 Epidemiologic Methods I]*
- Department of Family and Community Medicine, University of New Mexico, Albuquerque NM, May 1, 2014  
*"Women and Work: Implications for child development and health equity from a global perspective – an example of real world epidemiologic research" [Invited Talk - Lecture for PH 539: Biostatistics Methods II]*
- School of Nursing, University of Michigan, Ann Arbor Michigan, March 27, 2014  
*"Women and Work: Implications for child development and health equity from a global perspective" [Invited Talk - Lecture for Nursing 421: Perspectives on Global Health]*
- School of Nursing, University of Michigan, Ann Arbor Michigan, March 21, 2013  
*"Women and Work: Implications for child development and health equity from a global perspective" [Invited Talk - Lecture for Nursing 421: Perspectives on Global Health]*
- Department of Family and Community Medicine, University of New Mexico, Albuquerque NM, September 18, 2012  
*"Assessment of Causation: How to critically appraise the evidence" [Invited Lecture, PH 502 Epidemiologic Methods I]*
- School of Nursing, University of Michigan, Ann Arbor Michigan, April 4, 2012  
*"Women and Work: Implications for child development and health equity from a global perspective" [Invited Talk - Lecture for Nursing 421: Perspectives on Global Health]*
- Department of Family and Community Medicine, University of New Mexico, Albuquerque NM, November 1, 2011  
*"Assessment of Causation: How to critically appraise the evidence" [PH 502 Invited Lecture, Epidemiologic Methods I]*
- Department of Family and Community Medicine, University of New Mexico, Albuquerque NM, September 16, 2010  
*"Assessment of Causation: How to critically appraise the evidence" [PH 502 Invited Lecture, Epidemiologic Methods I]*
- Department of Family and Community Medicine, University of New Mexico, Albuquerque NM, November 19, 2009  
*"Assessment of Causation: How to critically appraise the evidence" [PH 502 Invited Lecture, Epidemiologic Methods I]*
- School of Medicine, University of New Mexico, Albuquerque NM, February 22, 2009  
*"Health in the Native American Community: A Historical Perspective [Invited Lecture and Group Facilitation, Perspectives in Medicine]*
- Department of Family and Community Medicine, University of New Mexico, Albuquerque NM, November 19, 2009  
*"How to Critically Review an Epidemiologic Journal Article" [Invited Lecture, PH 502 Epidemiologic Methods I]*
- Department of Family and Community Medicine, University of New Mexico, Albuquerque NM, December 2, 2008  
*"How to Critique an Epidemiologic Journal Article" [Invited Lecture, PH 502 Epidemiologic Methods I]*

**SERVICE:****Consultancies:**

- 2009 **New Mexico Department of Health (NM DOH)** - Advised environmental epidemiologists at the DOH on pesticide monitoring survey development
- 2010-2011 **Ecuadorian Ministry of Health** - Asked to review and provide recommendations for a proposed national-level study of Child Development in Ecuador, including an assessment of methodological issues around conducting such a study at the national level. Developed a document with recommendations, met and discussed recommendations with the Ecuadorian Minister of Health, and had my recommendations distributed throughout several governmental agencies and Ministries in Ecuador.
- 2010 - ongoing **Casa Campesina Cayambe Foundation, the Universidad Politécnica Salesiana Cayambe, Ministry of Public Health and the Ministry of Social and Economic Inclusion, and the Universidad San Francisco de Quito** - Advise and guide ongoing development of public health workshops associated with our collaborative research in communities in the northern highland region of Ecuador.
- 2015 - ongoing **New Mexico Department of Health (NM DOH)** - Advise MCH epidemiologists at NM DOH on PRAMS survey content; provide consultation on the inclusion of discrimination measures/scales into the survey
- 2016-2019 **New Mexico Department of Health (NM DOH)** - Advise MCH epidemiologists at NM DOH on the development of a toddler follow-up to the PRAMS survey; provide consultation on the inclusion of important variables to the survey and potential research/analysis avenues.
- 2016-2017 **Universidad San Francisco de Quito (USFQ)** - Advised Ecuadorian colleagues at USFQ regarding the development of a public health/epidemiological disaster relief action plan to address earthquake-stricken region on the Ecuadorian coast.
- 2016 - ongoing **Universidad San Francisco de Quito (USFQ)** – Ongoing advisement of Ecuadorian colleagues at USFQ regarding MPH curriculum and epidemiology track curriculum, development of doctoral program in epidemiology

**Journal reviewer:**

American Journal of Epidemiology  
 BMJ Public Health  
 Environmental Health Perspectives  
 Environmental Research  
 Epidemiology  
 International Journal of Occupational and Environmental Health  
 Journal of Agromedicine  
 Journal of Immigrant and Minority Health  
 Jornal de Pediatria  
 Maternal and Child Health Journal  
 Metabolic Brain Disease  
 Neurotoxicology  
 Occupational and Environmental Medicine  
 Pan American Journal of Public Health  
 Pediatrics  
 Progress in Community Health Partnerships: Research, Education, and Action  
 Public Health  
 Reproductive Health  
 Science of the Total Environment

**Local, state, regional, national, international committees:**

- 3/09-present Member of the Mental Health and Environment Working Group, Collaborative on health and the Environment (CHE)
- 2/15-6/19 Council Member International Society for Children's Health and the Environment
- 3/11-2017 Ad-hoc Member Rosenblatt Scholarship Selection Committee, NMPHA
- 1/08-2018 Member of the New Mexico Health Equity Working Group

**University of Michigan Curriculum and Program development:**

2019- Global Health  
 2019- Occupational and Environmental Epidemiology  
 2019- Department of Epidemiology

**University of Michigan, SPH, Departmental committees:**

2019- Department of Epidemiology DEI Committee

**University of New Mexico Curriculum and Program development:**

2008-2019 Epidemiology Concentration committee; involved in development and ongoing evaluation of Epidemiology concentration (*one of 3 faculty in this concentration*)  
 2009 Social Epidemiology course development (new course)  
 2011-2019 Curriculum development of PhD in Public Health Sciences (new degree)  
 2014-2019 College of Population Health; involved in overall development of the College  
 2015-2019 Undergraduate Essentials of Epidemiology course development (new course)  
 2017-2019 UNM MPH Workgroup on CEPH Curriculum Redesign - Foundations of Analytic Methods (new course)

**University of New Mexico, HSC, COPH, SOM, departmental committees:**

2018-2019 Member of the COPH HSSP Faculty Search Committee  
 2018-2019 Member of the COPH Lecturer II Search Committee  
 2017-2019 Member UNM MPH Workgroup on Curriculum Redesign- Foundations of Analytic Methods, College of Population Health (COPH)  
 2017-2019 Faculty representative Dean's Advisory Council, UNM COPH  
 3/17-2019 COPH representative Unconscious Bias Task Force, UNM HSC  
 7/16-2019 COPH representative Health Sciences Library & Informatics Advisory Council, UNM HSC  
 6/16-2019 Member of the Faculty Compensation Committee, UNM COPH  
 5/16 Invited Judge 1<sup>st</sup> Annual EpiStat Symposium, UNM HSC  
 1/16-3/16 Member of the COPH HSSP Faculty Search Committee  
 2015-2019 Chair of the Master in Public Health (MPH) Admissions Committee  
 8/15-3/16 Member of the DFCM Biostatistician Faculty Search Committee  
 09/15 Member of the Teaching in Excellence Awards Committee, UNM SOM  
 10/14-2019 Member of the Governance Committee, College of Population Health (COPH)  
 9/14-9/16 Member of the HRSA Epidemiology Traineeship Executive Committee  
 12/12-12/13 Member of the Salary Equity Committee, UNM FCM  
 1/12-12/12 Member of the Search Committee for the FCM Department Biostatistician Faculty Position  
 8/11-5/15 Member At-Large LAII Executive Committee, UNM  
 8/11-2018 Alternate Member LAII Interdisciplinary Committee on Latin American Studies, UNM  
 2/11-2019 Member of the Jonathan Mann Memorial Lecture Planning Committee, COPH  
 1/11-2019 Member of the Curriculum Committee, proposed PhD in Public Health Sciences, UNM HSC  
 1/11-11/15 Member of the MPH Admissions Committee  
 8/10-3/11 Member of the Search Committee for the PHP-Community Health Concentration Faculty Position  
 5/10-5/11 Member and Lead Coordinator of the PHP Policy Manual Development Committee - Administration Section Sub-Committee  
 1/10-8/10 Member of the Working Group "Mapping 'Race': Best Practices for Theorizing and Operationalizing Race Across the Disciplines", UNM RWJF Center for Health Policy  
 1/10-1/13 Member of WHO/PAHO Collaborating Center, UNM FCM  
 9/09 Member of the Search Committee for Public Health Traineeship in Epidemiology Travel Award, UNM PHP  
 8/09 Member of the Search Committee for MPH Program Coordinator  
 2009 Ad-Hoc member of UNM SOM RAC Committee  
 11/08-2019 Member of the Signature Program in Child Health Research-CHAG Committee  
 11/08-2019 Member of Environmental Health Signature Program-Environmental Geography and Global Health Group  
 11/08-2019 Member of Environmental Health Signature Program-Environmental and Exposure Epidemiology Group  
 8/08-12/08 Member of the Health Science Center Educators Group  
 9/08-2019 Member of the Center for Participatory Research Group, UNM  
 1/08-2019 Member of Academic Committee, COPH MPH  
 1/08-2019 Member of the Epidemiology Core committee, COPH MPH