

# CURRICULUM VITAE: Updated March 3, 2025

## I. Personal Information

Name Michelle A. Williams, Sc.D.  
Current Position & Affiliation Professor of Epidemiology and Population Health  
Stanford University, School of Medicine

Current Position & Affiliation Adjunct Professor of Epidemiology  
Harvard University, Harvard TH Chan School of Public Health

## II. Educational Background

### A. Colleges and Universities Attended

1984 A.B., Biology (Genetics), Princeton University, Biology Department  
(laboratory of Dr. Eric Weischaus)

1986 M.S., Civil Engineering, Tufts University, Department of Civil Engineering

1988 S.M., Demography and Epidemiology, Harvard University, School of Public  
Health, Department of Population Science

1991 Sc.D., Epidemiology, Harvard University, School of Public Health,  
Departments of Epidemiology & Population Science

2020 Honorary Doctor of the School of Medicine, National and Kapodistrian  
University of Athens (*ceremony postponed due to the pandemic*)

### B. Fellowship Training

1991-1992 Post-Doctoral Research Fellow, Department of Epidemiology  
University of Washington, School of Public Health and Community  
Medicine, Seattle, Washington (laboratory of Dr. Noel Weiss)

## III. Professional Appointments

### A. Academic Appointments:

1989-1991 Teaching Fellow, Department of Epidemiology  
Harvard University, School of Public Health, Boston, Massachusetts

1990-1991 Instructor, Department of Community Medicine  
Tufts University, School of Medicine, Boston, Massachusetts

1992-1996 Assistant Professor, Department of Epidemiology  
University of Washington, School of Public Health and Community  
Medicine, Seattle, Washington

1996-2000 Associate Professor, Department of Epidemiology  
University of Washington, School of Public Health and Community  
Medicine, Seattle, Washington

2000-2011 Professor, Department of Epidemiology & \*Global Health (\*12-2008)

	University of Washington, School of Public Health and Community Medicine, Seattle, Washington
2011-June 2016	Stephen B. Kay Professor of Public Health Chair, Department of Epidemiology Harvard T.H. Chan School of Public Health, Boston, Massachusetts
2012-2024	Affiliate Faculty, Division of Sleep Medicine Harvard Medical School, Boston, Massachusetts
July 2018-June 2023	Angelopoulos Professor in Public Health and International Development, Harvard T.H. Chan School of Public Health and Harvard Kennedy School, Boston, Massachusetts
July 2016-June 2023	Dean of the Faculty, Harvard T.H. Chan School of Public Health Harvard University, Boston, Massachusetts
July 2023-December 2024	Joan and Julius Jacobson Professor of Epidemiology and Public Health Harvard University, Harvard T.H. Chan School of Public Health Boston, MA
August 2023-December 2024	Visiting Professor, Department of Epidemiology and Population Health Stanford University, School of Medicine, Palo Alto, CA
January 2025-present	Professor, Department of Epidemiology and Population Health Stanford University, School of Medicine, Palo Alto, CA
January 2025-present	Adjunct Professor, Department of Epidemiology Harvard University, Harvard T.H. Chan School of Public Health Boston, MA

**B. Other Appointments:**

1987-1988	Project Consultant, Child Survival Action Program, Haiti United States Agency for International Development and Harvard School of Public Health
1988-1989 (Summers)	Research Associate, Division of Birth Defects and Developmental Disabilities, Centers for Disease Control, Atlanta, Georgia
1991-1996	Associate Investigator, Division of Perinatal Medicine Swedish Medical Center/Seattle, Seattle, Washington
1992-2010	Affiliate Investigator, Division of Public Health Fred Hutchinson Cancer Research Center, Seattle, Washington
1996-2000	Associate Director, Center for Perinatal Studies Swedish Medical Center/Seattle, Seattle, Washington
2000-2011	Co-Director, Center for Perinatal Studies Swedish Medical Center/Seattle, Seattle, Washington
2011-2016	Investigator, Center for Perinatal Studies Swedish Medical Center/Seattle, Seattle, Washington

2013-2016 Faculty Director, Harvard Clinical and Translational Sciences Center's (Harvard Catalyst's) Population Health and Health Disparities Research Programs, Harvard Medical School, Boston, Massachusetts

**IV. Honors and Awards**

1985-1986 Tufts University, Department of Civil Engineering  
Graduate Research Fellowship

1988-1991 National Institute of Environmental Health Sciences  
National Research Service Award

1991-1992 National Institutes of Health, National Cancer  
Institute Cancer Epidemiology-Biostatistics  
National Research Service Award

1992-1996 Cora May Poncin, Scientific Research Award

1994 International Society for the Study of Hypertension in Pregnancy,  
Research Presentation Award

1994 Washington State Obstetrical Association, Research Award

1996 International Society for the Study of Hypertension in Pregnancy,  
Society Research Award

1996 The 1996 *Epidemiology* Prize  
Outstanding paper published in *Epidemiology*

1998 Society of Epidemiologic Research, Epidemiology Faculty

2005 Grace Hopper Exemplary Leadership Award

2007 *Brotman Award* for Instructional Excellence

2007 Public Health Association's *Abraham Lilienfeld Award*

2010 Distinguished Faculty Lecturer, Department of  
Epidemiology, University of Washington,  
School of Public Health

2011 Presidential Award for Excellence in Science, Mathematics and  
Engineering Mentoring (PAESMEM)  
The White House & National Science Foundation

2011 Tufts University, School of Engineering Outstanding Career  
Achievement Award

2015 Harvard T.H. Chan School of Public Health, Outstanding Mentor  
Award

2016 Elected Member, National Academy of Medicine

2017 Trailblazer Award from the U.S. Attorney's Office for the Eastern  
District of New York

2018	H. Richard Nesson, M.D. Award “in recognition of your commitment to excellence through diversity and leadership in expanding academic and career opportunities to all.” 14 <sup>th</sup> Biennial Biomedical Science Careers Student Conference, Boston, MA.
2020	Ellis Island Medal of Honor in recognition of outstanding commitment to serving the USA
2020	Number 8 on the Medical Marketing and Media 2020 Health Influencer 50 List
2021	Research!America’s Outstanding Achievement in Public Health Award, in the Category Clear Voice Award
2023	Chanchilani Global Health Research Award and Lecture, McMaster University, Chanchilani Center for Global Health Research

## V. Scholarly Publications

\* *Signifies mentored student or fellow*

^^ *Signifies middle author contributions: obtained funding, participated extensively in conception and design, and in data interpretation and manuscript drafting.*

## *Signifies middle author contributions: participated extensively in conception and design, in data collection, analysis and interpretation, and editing of manuscript.*

### A. Peer-Reviewed Journal Articles (Original Research)

- Mittendorf R, **Williams MA**, Berkey CS, Cotter PF. The length of uncomplicated human gestation. *Obstet Gynecol* 1990;75:929-932.
- Mittendorf R, **Williams MA**. Rh (D) immune globulin (RhoGAM<sup>TM</sup>): how it came into being. *Obstet Gynecol* 1991;77:301-303.
- Williams MA**, Mittendorf R, Lieberman E, Monson RR, Schoenbaum SC, Genest DR. Cigarette smoking during pregnancy in relation to placenta previa. *Am J Obstet Gynecol* 1991;164:28-32.
- Williams MA**, Mittendorf R, Lieberman E, Monson RR. Adverse infant outcomes associated with first trimester vaginal bleeding. *Obstet Gynecol* 1991;78:14-18.
- Williams MA**, Goldman MB, Mittendorf R, Monson RR. Subfertility and the risk of low birth weight. *Fertil Steril* 1991;56:668-671.
- Williams MA**, Lieberman E, Mittendorf R, Monson RR, Schoenbaum SC. Risk factors for abruptio placentae. *Am J Epidemiol* 1991;134:965-972.
- Williams MA**, Mittendorf R, Stubblefield PG, Lieberman E, Schoenbaum SC, Monson, RR. Cigarettes, coffee and preterm premature rupture of the membranes. *Am J Epidemiol* 1992;135:895-905.
- Williams MA**, Mittendorf R, Stubblefield PG, Lieberman E, Schoenbaum SC, Monson, RR. Risk factors for preterm premature rupture of the membranes. *J Maternal-Fetal Med* 1993;2:27-33.
- Williams MA**, Mittendorf R, Monson RR. Chronic hypertension, cigarette smoking and abruptio placentae. *Epidemiology* 1991;2:450-453.
- Mittendorf R, **Williams MA**, Kass EH. Prevention of preterm delivery and low birth weight associated with asymptomatic bacteriuria. *Clinical Infectious Diseases* 1992;14:927-932.
- Williams MA**, Mittendorf R. Is advancing maternal age a more important determinant of placenta previa than is increasing parity? *J Reprod Med* 1993;38:425-428.

12. Peifer M, Rauskolb C, **Williams M**, Riggleman B, Wieschaus E. The segment polarity gene *armadillo* interacts with the *wingless* signaling pathway in both embryonic and adult pattern formation. *Development* 1991;111:1029-1043.
13. Mittendorf R, **Williams MA**, Berkey CS, Lieberman E, Monson, RR. Predictors of human gestational length. *Am J Obstet Gynecol* 1993;168:480-484.
14. Hickok DE, Gordon DC, Milberg JA, **Williams MA**, Daling JR. The frequency of breech presentation by gestational age at birth: a large population-based study. *Am J Obstet Gynecol* 1992;166:851-852.
15. Genest DR, **Williams MA**, Greene MF. Estimating the time of death in stillborn fetuses: I. Histologic evaluation of fetal organs. An autopsy study of 150 stillborns (1980-1991). *Obstet Gynecol* 1992;80:575-584.
16. **Williams MA**, Hickok DE, Zingheim RW, Luthy DA, Kimelman J, Nyberg D, Mahony BS. Elevated maternal serum alpha-fetoprotein and midtrimester placental abnormalities in relation to subsequent adverse pregnancy outcomes. *Am J Obstet Gynecol* 1992;167:1032-1037.
17. **Williams MA**, Hickok DE, Zingheim RW, Mittendorf R, Luthy DA, Kimelman J, Nyberg D, Mahony BS. Low birth weight and preterm delivery in relation to early-gestational vaginal bleeding and elevated maternal serum alpha-fetoprotein. *Obstet Gynecol* 1992;80:745-749.
18. Nyberg DA, Resta RG, Luthy DA, Hickok DE, **Williams MA**. Humerus and femur length shortening in the detection of Down syndrome. *Am J Obstet Gynecol* 1993;168:534-538.
19. Cheng EY, Luthy DA, Zebelman AM, **Williams MA**, Lieppman RE, Hickok DE. A prospective evaluation of a second-trimester screening test for fetal Down Syndrome using maternal serum alpha-fetoprotein, hCG and unconjugated estriol. *Obstet Gynecol* 1993;81:72-77.
20. Lieppman RE, **Williams MA**, Cheng EY, Resta RG, Zingheim R, Hickok DE, Luthy DA. An association between elevated levels of human chorionic gonadotropin in the midtrimester and adverse pregnancy outcomes. *Am J Obstet Gynecol* 1993;168:1852-1857.
21. Mittendorf R, Aronson MP, Berry RE, **Williams MA**, Kupelnick B, Klickstein A, Chalmers TC. Serious infections associated with total abdominal hysterectomy: a meta-analysis of antibiotic prophylaxis. *Am J Obstet Gynecol* 1993;169:1119-1124.
22. Sorensen T, **Williams MA**, Zingheim RW, Clement S, Hickok DE. Elevated second trimester human chorionic gonadotropin and pregnancy induced hypertension. *Am J Obstet Gynecol* 1993;169:834-838.
23. Reisner DP, Mahony BS, Petty CN, Nyberg DA, Zingheim RW, **Williams MA**, Luthy, DA. Stuck twin syndrome: outcome in thirty-seven consecutive cases. *Am J Obstet Gynecol* 1993;169:991-995.
24. **Williams MA**, Hickok DE, Zingheim RW, Zebelman AM. Maternal serum CA 125 levels in the diagnosis of abruptio placentae. *Obstet Gynecol* 1993;82:808-812.
25. \*Velentgas P, Benga-De E, **Williams MA**. Chronic hypertension, pregnancy-induced hypertension, and low birth weight. *Epidemiology* 1994;5:345-348.
26. **Williams MA**, Kenya P, Mati JG, Thomas DB. Risk factors for invasive cervical cancer among Kenyan women. *Int J Epidemiol* 1994;23:906-912.
27. Mittendorf R, **Williams MA**, Kennedy JL, Berry RE, Herschel M, Aronson MP, Davidson KM. An hypothesis to explain the paradoxical racial differences in neonatal mortality. *Am J Prev Med* 1993;9:327-330.
28. Sohaey R, Nyberg DA, Sickler GK, **Williams MA**. Idiopathic polyhydramnios: association with fetal macrosomia. *Obstet Ultrasound* 1994;190:393-396.
29. Mittendorf R, Herschel M, **Williams MA**, Hibbard JU, Moawad AH, Lee K-s. Reducing the frequency of low birth weight in the United States. *Obstet Gynecol* 1994;83:1056-1059.
30. Kamitsuka MD, **Williams MA**, Nyberg DA, Fox KA, Lee DL, Hickok DE. Renal calcification: a complication of dexamethasone therapy in preterm infants with bronchopulmonary dysplasia. *J Perinatol* 1995;15:359-363.
31. \*Bradley CM, Alderman BW, **Williams MA**, Checkoway H, Fernbach SK, Greene C, Bigalow PL, Reif JS: Parental occupations as risk factors for craniosynostosis in offspring. *Epidemiology* 1995;6:306-310.
32. **Williams MA**, Zingheim RW, King IB, Zebelman AM. Marine polyunsaturated fatty acids in maternal erythrocytes and risk of preeclampsia. *Epidemiology* 1995;6:232-237.

33. **Williams MA**, Luthy, Zingheim RW, Hickok DE. Preinduction prostaglandin E<sub>2</sub> gel prior to induction of labor in women with a previous cesarean section. *Gynecol Obstet Invest* 1995;40:89-93.
34. **Williams MA**, Hickok DE, Zingheim RW, Zebelman AM, Mittendorf R, Luthy DA. A longitudinal study of maternal serum human chorionic gonadotropin levels during pregnancy. *Gynecol Obstet Invest* 1995;40:158-161.
35. Mittendorf R, **Williams MA**, Aronson MP, Berry RE, Kupelnick B, Chalmers TC. Use of prophylactic tinidazole to avoid the serious infections associated with total abdominal hysterectomy. *Aust N Zealand J Obstet Gynaecol* 1995;35:314-315.
36. Nyberg DA, Luthy DA, Sheley RC, Cheng EY, Resta RG, **Williams MA**. Role of prenatal ultrasound in women with positive screen for Down syndrome based on maternal serum markers. *Am J Obstet Gynecol* 1995;173:1030-1035.
37. \*Sanderson M, **Williams MA**, Malone KE, Stanford JL, Emanuel I, White E, Daling JR. Perinatal factors and risk of breast cancer. *Epidemiology* 1996;7:34-37.
38. \*Bratton SL, Shoultz DA, **Williams MA**. Recurrence risk of low birth weight deliveries among women with a prior very low birth weight delivery. *Am J Perinatol* 1996;13:147-150.
39. \*Ananth CV, Savitz DA, **Williams MA**. Incidence and recurrence of placental abruption and its association with hypertension and prolonged rupture of the membranes: a methodological review and meta-analysis. *Am J Obstet Gynecol* 1996;88:309-318.
40. Mittendorf R, Lain KY, **Williams MA**, Walker CK. Urinary tract infections and other risk factors for preeclampsia. *J Repro Med* 1996;41:491-496.
41. **Williams MA**, Luthy DA, Zingheim RW, Zebelman AM, Sorensen TK, Resta RG. Urinary gonadotropin peptide (UGP) levels in preeclamptic and normotensive pregnant women: results from a pilot case-control study. *Gynecol Obstet Invest* 1998;45:24-28.
42. Mahomed K, **Williams MA**, Woelk GB, Jenkins-Woelk L, Mudzamiri S, Longstaff S, Sorensen TK. Risk factors for preeclampsia among Zimbabwean women: maternal arm circumference and other anthropometric measures of obesity. *Paediatr & Perinatal Epidemiol* 1998;12:253-262.
43. \*Moran PJ, Welles SL, **Williams MA**. The interrelation of maternal immune competence, HIV-1 viral load, and nutritional status in preventing vertical transmission: an alternative to chemoprophylaxis? *Medical Hypotheses* 1998;51:389-397.
44. \*Sanderson M, **Williams MA**, White E, Daling JR, Holt VL, Malone KE, Self SG, Moore DE. Validation and reliability of subject and mother reporting of perinatal factors. *Am J Epidemiol* 1998;147:136-140.
45. \*Sanderson M, **Williams MA**, Daling JR, Holt VL, Malone KE, Self SG, Moore DE. Maternal factors and breast cancer risk among young women. *Paediatr and Perinatal Epidemiol* 1998;12:397-407.
46. \*Moran P, Nhandara C, Hove I, Charimari L, Katito C, Bradley M, for the University of Washington/University of Zimbabwe Field Epidemiology Research Team. Contamination of traditional drinking water sources during a period of extreme drought in the Zvimba communal lands, Zimbabwe. *Central African Med Journal* 1997;43:316-321.
47. Mahomed K, **Williams MA**, Woelk GB, Jenkins-Woelk L, Mudzamiri S, Madzime S, Sorensen TK. Risk factors for preeclampsia among Zimbabwean women: recurrence risk and familial tendency towards hypertension. *J Obstet Gynaecol* 1998;18:218-222.
48. Rossing MA, Voigt LF, Wicklund KG, **Williams MA**, Daling JR. Use of exogenous hormones and risk of papillary thyroid cancer. *Cancer Causes and Control* 1998;9:341-349.
49. **Williams MA**, King IB, Sorensen TK, Zingheim RW, Troyer BL, Zebelman AM, Luthy DA. Risk of preeclampsia in relation to elaidic acid (*trans* fatty acid) in maternal erythrocytes. *Gynecol Obstet Invest* 1998;46:84-87.
50. \*Atkinson JO, Mahomed K, **Williams MA**, Woelk GB, Mudzamiri S, Weiss NS. Dietary risk factors for preeclampsia among Zimbabwean women. *Central African Med Journal* 1998;44:86-92.
51. **Williams MA**, Farrand A, Mittendorf R, Sorensen TK, Zingheim RW, O'Reilly GO, King IB, Zebelman AM, Luthy DA. Maternal second-trimester serum tumor necrosis factor- $\alpha$  soluble receptor p55 and subsequent risk of preeclampsia. *Am J Epidemiol* 1999;149:323-329.

52. **Williams MA**, Mahomed K, Farrand A, Woelk GB, Mudzamiri S, Madzime S, King IB, McDonald GB. Plasma tumor necrosis factor- $\alpha$  soluble receptor p55 (sTNFp55) concentrations in eclamptic, preeclamptic and normotensive pregnant Zimbabwean women. *J Repro Immunol* 1998;40:159-173.
53. \*Shapiro JA, **Williams MA**, Weiss NS, Stergachis A, LaCroix AZ, Barlow WE. Hypertension, antihypertensive medication use, and risk of renal cell carcinoma. *Am J Epidemiol* 1999;149:521-530.
54. \*Shapiro JA, **Williams MA**, Weiss NS. Body mass index and risk of renal cell carcinoma. *Epidemiol* 1999;10:188-191.
55. Nyberg DA, Luthy DA, Resta RG, Nyberg BC, **Williams MA**. Age-adjusted ultrasound risk assessment for fetal Down's syndrome during the second trimester: description of the methods and analysis of 142 cases. *Ultrasound Obstet Gynecol* 1998;12:8-14.
56. **Williams MA**, Havel PJ, Schwartz MW, Leisenring WM, King IB, Zingheim RW, Zebelman AM, Luthy DA. Preeclampsia disrupts the normal relationship between serum leptin concentrations and adiposity in pregnant women. *Paediatr and Perinatal Epidemiol* 1999;13:190-204.
57. Sorensen TK, Malinow MR, **Williams MA**, King IB, Luthy DA. Elevated second trimester serum homocyst(e)ine levels and subsequent risk of preeclampsia. *Gynecol Obstet Invest* 1999;48:98-103.
58. \*Kamineneni A, **Williams MA**, Schwartz SM, Cook LS, Weiss NS. The incidence of gastric carcinoma in Asian migrants to the United States and their descendants. *Cancer Causes and Control* 1999;10:77-83.
59. \*Velentgas P, Daling JR, Malone KE, Weiss NS, **Williams MA**, Self SG, Mueller BA. Pregnancy after breast cancer: outcomes and influence on mortality. *Cancer* 1999;85:2324-2432.
60. Emanuel I, Leisenring W, **Williams MA**, Kimpo C, O'Brien W, Hale CB. The Washington State intergenerational study of birth outcomes: Methodology and some comparisons of maternal birth weight and infant birth weight and gestation in four ethnic groups. *Paediatr and Perinatal Epidemiol* 1999;13:352-371.
61. Rajkovic A, Mahomed K, Malinow MR, Sorensen, Woelk GB, **Williams MA**. Plasma homocyst(e)ine concentrations in eclamptic and preeclamptic African women postpartum. *Obstet Gynecol* 1999;94:355-360.
62. **Williams MA**, Emanuel I, Kimpo C, Leisenring WM, Hale CB. A population-based cohort study of the relation between maternal birth weight and risk of gestational diabetes mellitus in four race/ethnic groups. *Paediatr and Perinatal Epidemiol* 1999;13:452-465.
63. Strandjord TP, Emanuel I, **Williams MA**, Leisenring WM, Kimpo C. A population-based study of the epidemiology of hyaline membrane disease and maternal birthweight effects. *Obstet Gynecol* 2000;95:174-179.
64. Mittendorf R, Chorzempa LM, Quinlan MP, Herschel M, **Williams MA**. Length of pregnancy in African Americans: validation of a new predictive rule. *J Natl Med Assoc* 1999;91:523-527.
65. Kamitsuka MD, Horton M, **Williams MA**. The incidence of necrotizing enterocolitis after introducing standardized feeding schedules for infants between 1250 - 2500 grams and less than 35 weeks gestation. *Pediatrics* 2000;105:379-385.
66. \*Ware-Jauregui S, Sanchez SE, Zhang C, Larrabure G, King IB, **Williams MA**. Plasma lipid concentrations in preeclamptic and normotensive Peruvian women. *Intl J Gynecol Obstet* 1999;67:147-155.
67. Mahomed K, **Williams MA**, Woelk GB, Mudzamiri S, Madzime, King IB, Bankson DD. Leukocyte selenium, zinc, and copper concentrations in preeclamptic and normotensive pregnant women. *Biol Trace Elem Res* 2000;75(1-3):107-118.
68. Sanchez SE, Zhang C, **Williams MA**, Ware-Jauregui S, Larrabure G, Bazul V, Farrand A. Tumor necrosis factor- $\alpha$  soluble receptor p55 (sTNFp55) and risk of preeclampsia in Peruvian women. *J Repro Immunol* 2000;47:49-63.
69. \*Madzime S, Adem M, Mahomed K, Woelk GB, Mudzamiri S, **Williams MA**. Hepatitis B virus infection among pregnant women delivering at Harare Maternity Hospital, Harare, Zimbabwe, 1996 -1997. *Central African Med Journal* 1999; 45:195-198.

70. Rajkovic A, Mahomed K, Rozen R, Malinow MR, King IB, **Williams MA**. Methylenetetrahydrofolate reductase 677 C→T polymorphism, plasma folate, vitamin B<sub>12</sub> concentrations, and risk of preeclampsia among Black African women from Zimbabwe. *Molecular Genetics and Metabolism* 2000;69:33-39.
71. Shy K, Kimpo C, Emanuel I, Leisenring W, **Williams MA**. Maternal birth weight and cesarean section in four race/ethnic groups. *Am J Obstet Gynecol* 2000;182:1363-1370.
72. \*Sanderson M, **Williams MA**, Weiss NS. Low dose oral contraceptives and invasive epithelial ovarian cancer. *J Reprod Med* 2000;45:720-726.
73. \*Lampinen TM, Kulasingam S, Min J, Borok M, Gwanzura L, Lamb J, Mahomed K, Woelk G, Strand K, Bosch M, Edelman D, Constantine NT, Katzenstein D, **Williams MA**. Detection of Kaposi's sarcoma-associated herpesvirus (KSHV/HHV8) in genital and oral secretions in Zimbabwean women. *J Infect Dis* 2000;181:1785-1790.
74. Reisner DP, Hass MJ, Zingheim RW, **Williams MA**, Luthy DA. Performance of a group B streptococcal prophylaxis protocol combining high-risk treatment and low-risk screening. *Am J Obstet Gynecol* 2000;182:1335-1343.
75. El-Bastawissi AY, **Williams MA**, Riley DE, Hitti J, Krieger JN. Amniotic fluid interleukin-6 and preterm delivery: A review. *Obstet Gynecol* 2000;95(6 part 2):1056-1064.
76. Sanchez SE, Zhang C, Malinow MR, Ware-Jauregui S, Larrabure G, **Williams MA**. Plasma folate, vitamin B<sub>12</sub> and homocyst(e)ine concentrations in preeclamptic and normotensive Peruvian women. *Am J Epidemiol* 2001;153:474-480.
77. \*Zhang C, **Williams MA**, Sanchez SE, King IB, Ware-Jauregui S, Larrabure G, Bazul V, Leisenring WM. Plasma concentrations of carotenoids, retinol, and tocopherols in preeclamptic and normotensive pregnant women. *Am J Epidemiol* 2001;153:572-580.
78. Madzime S, **Williams MA**, Mahomed K, October T, Adem M, Mudzamiri S, Woelk GB,. Seroprevalence of hepatitis C virus infection among indigent urban pregnant women in Zimbabwe. *Central African J Medicine* 2000;46:1-4.
79. Malinow MR, Duell PB, **Williams MA**, Kruger WD, Anderson PH, Gluckman RA, Block PC, Hess DL, Upson BM, Graf EE, Jones AI. Short-term folic acid supplementation induces variable and paradoxical changes in plasma homocyst(e)ine concentrations. *Lipids*, 2001;36Suppl:S27-32.
80. Sanchez S, Ware-Jauregui S, Larrabure G, Bazul V, Ingar H, Zhang C, **Williams MA**. Factores de riesgo de preeclampsia en mujeres Peruanas. [Spanish] *Ginecologia y Obstetricia* 2001;47:102-111.
81. \*Gavlan J, Woelk GB, Mahomed K, Wagner N, Mudzamiri S, **Williams MA**. Prenatal care utilization and fetal outcomes at Harare Maternity Hospital, Zimbabwe. *Central African J Medicine* 2001;47:87-92.
82. \*Zhang C, **Williams MA**, King IB, Dashow EE, Sorensen TK, Fredrick IO, Thompson ML, Luthy DA. Dietary intake and plasma vitamin C status in relation to preeclampsia risk. *Epidemiology* 2002;13:409-416.
83. Xiao R, Sorensen TK, Frederick IO, El-Bastawissi A, King IB, Leisenring WM, **Williams MA**. Maternal second trimester serum ferritin concentrations and subsequent risk of preterm delivery. *Paediatr and Perinatal Epidemiol* 2002;16:297-304.
84. El-Bastawissi AY, Sorensen TK, Akafomo CK, Xiao R, **Williams MA**. History of fetal loss and other adverse pregnancy outcomes in relation to subsequent risk of preterm delivery. *Maternal Child Health J* 2003;7:53-58.
85. Sorensen TK, Dempsey, JC, Xiao R, Frederick IO, Luthy DA, **Williams MA**. Maternal asthma and risk of preterm delivery. *Ann Epidemiol* 2003;13:267-272.
86. \*Qiu C-F, **Williams MA**, Leisenring WM. Family history of hypertension and diabetes in relation to preeclampsia risk. *Hypertension* 2003;41:408-413.
87. Xiao R, **Williams MA**, Luthy DA. Influence of preeclampsia on fetal growth. *J Matern Fetal Neonatal Med* 2003;13:157-162.
88. Dempsey JC, **Williams MA**, Sorensen TK, Luthy. Reproductive history and risk of preeclampsia. *J Reprod Med* 2003;48:509-514.
89. Sanchez SE, Zhang C, **Williams MA**. The influence of maternal triglyceride levels on infant birthweight in Peruvian women with preeclampsia. *J Mat Fetal Neonatal Med* 2003;13:328-333.

90. Dempsey JC, **Williams MA**, Shy K, Luthy DA. Maternal weight at birth and her risk of developing preeclampsia. *Am J Obstet Gynecol* 2003;189:494-500.
91. \*Ning Y, **Williams MA**, Dempsey JC, Sorensen TK, Frederick IO, Luthy DA. Correlates of recreational physical activity in early pregnancy. *J Mat Fetal Neonatal Med* 2003;13:385-393.
92. Sorensen TK, **Williams MA**, Lee I-M, Dashow EE, Thompson ML, Luthy DA. Recreational physical activity during pregnancy and risk of preeclampsia. *Hypertension* 2003;41:1273-1280.
93. **Williams MA**, Woelk GB, King IB, Jenkins L, Mahomed K. Plasma carotenoids, retinol, tocopherols, and lipoproteins in preeclamptic and normotensive pregnant Zimbabwean women. *Am J Hypertension* 2003;16:665-672.
94. **Williams MA**, Qiu C, Dempsey JC, Luthy DA. Familial aggregation of type 2 diabetes and chronic hypertension in women with gestational diabetes. *J Repro Medicine* 2003;48:955-562.
95. Sanchez SE, Zhang C, Qiu C, **Williams MA**. Family history of hypertension and diabetes in relation to preeclampsia risk among Peruvian women. *Gynecol Obstet Invest* 2003;56:128-132.
96. Dempsey JC, **Williams MA**, Leisenring WM, Shy K, Luthy DA. Maternal birthweight in relation to plasma lipid concentrations in early pregnancy. *Am J Obstet Gynecol* 2004;190:1359-1368.
97. \*Zhang C, **Williams MA**, Frederick IO, King IB, Sorensen TK, Kestin MM, Dashow EE, Luthy DA. A case-control study of vitamin C and risk of gestational diabetes mellitus. *J Reprod Medicine* 2004;49:257-266.
98. \*Zhang C, **Williams MA**, Sorensen TK, King IB, Kestin MM, Thompson ML, Dashow EE, Luthy DA. Maternal plasma ascorbic acid (Vitamin C) concentrations and risk of gestational diabetes mellitus. *Epidemiology* 2004;15:597-604.
99. Dempsey JC, Sorensen TK, **Williams MA**, Lee I-M, Miller RS, Dashow EE, Luthy DA. A prospective study of gestational diabetes mellitus risk in relation to maternal recreational physical activity before and during pregnancy. *Am J Epidemiol* 2004;159:663-670.
100. Qiu C, Luthy DA, Zhang C, Walsh SW, Leisenring WM, **Williams MA**. A prospective study of maternal serum C-reactive protein concentrations and risk of preeclampsia. *Am J Hypertension* 2004;17:154-160.
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\* *Signifies mentored student or fellow*

^^ *Signifies middle author contributions: obtained funding, participated extensively in conception and design, and in data interpretation and manuscript drafting.*

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#### D. Book Chapters

1. Mittendorf R, Pryde P, Herschel M, **Williams MA**. Is routine antenatal toxoplasmosis screening justified in the United States? Statistical considerations in the application of medical screening tests. In Clinical obstetrics and gynecology, Lippincott, Williams, and Wilkins, Inc. 1999;42(1):163-73.
2. **Williams MA**, Mittendorf R. Maternal morbidity. In Women and health, Eds. Goldman MB, Hatch M. Academic Press Inc. 2000, pp.172-181.
3. **Williams MA**, NRC/IRM – Board on Children, Youth, and Families. In Children’s health, the nation’s wealth: assessing and improving child health. The National Academies Press, 2004.
4. **Williams MA**. Pregnancy complications. In Reproductive and perinatal epidemiology, Eds. Buck Louis G, Platt RW. Oxford University Press, 2011.
5. National Academies of Sciences, Engineering, and Medicine. Using 21st century science to improve risk-related evaluations. Consensus study report. Washington, DC: The National Academies Press, 2017. <https://doi.org/10.17226/24635>.
6. **Williams MA**. An Accidental Public Health Manifesto. Book Chapter In, *Evidence and Will: Healing Our Divided Society (Updating the Kerner Commission)*. Columbia University Teacher’s College Press. (In Press).

#### E. Book Manuscript with Publishers

1. **Williams MA** with Marsa Linda. *Necessary Trouble: Public Health’s Contribution to the Modern World* (working title). Random House (In Press).

### VI. Research Funding

#### A. Current Funded Research

*Note: For the past seven years, during my tenure as Dean of the Harvard TH Chan School of Public Health, I transferred my active grants to collaborators and former trainees. I kept only one extramurally funded research grant – listed below.*

Source:	Apple Inc.
PI:	Michelle A. Williams, Sc.D., R. Hauser, B. Coull (Co-PIs)
<b>Title:</b>	<b>Apple Women’s Health Study</b>
Role on Project:	Co-PI
Research Collaborators:	Harvard T.H. Chan School of Public Health, National Institute of Environmental Health Sciences (NIEHS) and Apple
Dates:	<b>11/14/19 – Present (There is no official end date).</b> The study is expected to last decades. It is the first long-term research study of this scope and scale. It will collect and analyze data on menstrual and gynecological health to improve overall understanding of women’s health needs.

**B. Prior Funded Research**

Source: Swedish Medical Center, Perinatal Medicine  
 PI: Michelle A. Williams, Sc.D.  
**Title: Research in Perinatal Medicine (Subcontract)**  
 Role on Project: Principal Investigator, 50% effort  
 Dates/direct costs: 07/01/92-07/30/94

Source: The Cora May Poncin Foundation  
 PI: Michelle A. Williams, Sc.D.  
**Title: Placental Complications and Risk of Preterm Delivery: A Pilot Study**  
 Role on Project: Principal Investigator  
 Dates/direct costs: 08/01/92-06/30/93

Source: NIH/NCI- 3 R35 CA399779-09S1  
 PI: Noel S. Weiss, M.D., DrPH  
**Title: Research in Cancer Epidemiology**  
 Role on Project: Co-investigator, 50% effort  
 Dates/direct costs: 09/01/93-04/30/97

Source: University of Washington, Graduate School Fund  
 PI: Michelle A. Williams, Sc.D.  
**Title: A Case-Control Study of Preeclampsia and Barrier Contraception**  
 Role on Project: Principal Investigator, 0% effort (J. Rayl)  
 Dates/direct costs: 01/01/93-12/31/93

Source: The Seattle Foundation  
 PI: Michelle A. Williams, Sc.D.  
**Title: A Case-Control Study of Diuretics and Kidney Cancer**  
 Role on Project: Principal Investigator  
 Dates/direct costs: 02/94

Source: University of Washington, Graduate School Fund  
 PI: Michelle A. Williams, Sc.D.  
**Title: Perinatal Factors and Risk of Breast Cancer**  
 Role on Project: Principal Investigator, 0% effort (M. Sanderson)  
 Dates/direct costs: 07/01/94-06/15/95

Source: The Cora May Poncin Foundation  
 PI: Michelle A. Williams, Sc.D.  
**Title: Marine Fatty Acids in Relation to Risk of Preeclampsia (Prospective Pilot Study)**  
 Role on Project: Principal Investigator  
 Dates/direct costs: 07/01/94-06/30/95

Source: NIH/Fogarty International Center  
 PI: Michelle A. Williams, Sc.D.  
**Title: Minority International Research Training Grant**  
 Role on Project: Program Director, 10% effort (Contributed)  
 Dates/direct costs: 09/01/94-08/31/99

Source: Wendy Will Case Cancer Fund  
 PI: Michelle A. Williams, Sc.D.

**Title:** **Diuretics and Renal Cell Cancer**  
 Role on Project: Principal Investigator  
 Dates/direct costs: 01/01/95-12/31/95

Source: MCH Bureau  
 PI: Irvin Emanuel, M.D.

**Title:** **Maternal Birthweight and Reproductive Outcomes**  
 Role on Project: Co-investigator, 10% effort  
 Dates/direct costs: 09/01/95-08/31/98

Source: NIH/NICHD & NHLBI  
 PI: Michelle A. Williams, Sc.D.

**Title:** **The Epidemiology of Marine Fatty Acids and Preeclampsia**  
 Role on Project: Principal Investigator, 05% effort (I. King, Co-PI)  
 Dates/direct costs: 06/01/96-05/31/01

Source: University of Washington Royalty Research Fund  
 PI: Michelle A. Williams, Sc.D.

**Title:** **Apolipoprotein E Polymorphism and Preeclampsia in Zimbabwean Women**  
 Role on Project: Principal Investigator  
 Dates/direct costs: 09/01/96-08/30/97

Source: Univ. Washington International Faculty Exchange  
 PI: Michelle A. Williams, Sc.D. (L. Jarosz, Co-PI)

**Title:** **University of Washington and University of Zimbabwe Faculty Exchange**  
 Role on Project: Principal Investigator  
 Dates/direct costs: 09/01/96-08/30/97

Source: NIH/NCI  
 PI: Michelle A. Williams, Sc.D.

**Title:** **Diuretics and Renal Cell Cancer**  
 Role on Project: Principal Investigator, 05% effort  
 Dates/direct costs: 01/01/97-12/31/00

Source: NIH/NICHD/NHLBI  
 PI: Michelle A. Williams, Sc.D.

**Title:** **Genetic & Non-Genetic Risk Factors of Preeclampsia**  
 Role on Project: Principal Investigator, 10% effort  
 Dates/direct costs: 2/01/98-1/31/01

Source: HRSA, MCH Bureau  
 PI: Michelle A. Williams, Sc.D.

**Title:** **Biomarkers of Infections and Risk of Preterm Delivery**  
 Role on Project: Principal Investigator, 05% effort  
 Dates/direct costs: 10/01/98-09/30/01

Source: NIH/NICHD/ Fogarty International Center  
 PI: Michelle A. Williams, Sc.D. (Kassam Mahomed, Co-PI)

**Title:** **Prospective Study of Preeclampsia among Zimbabwean Women**  
 Role on Project: Principal Investigator, 05% effort (Contributed)  
 Dates/direct costs: 7/01/98-6/30/03

Source: Charles E. Culpepper Foundation Biomedical Pilot Initiative  
PI: Michelle A. Williams, Sc.D.  
**Title:** **Variation in the TNF  $\alpha$  Promoter Region and Risk of Preeclampsia**  
Role on Project: Principal Investigator, 05% effort (Contributed)  
Dates/direct costs: 01/01/99-12/31/00

Source: NIH/Fogarty International Center  
PI: Michelle A. Williams, Sc.D.  
**Title:** **Multidisciplinary International Research Training Grant**  
Role on Project: Program Director, 20% effort (Contributed)  
Dates/direct costs: 10/01/99-09/30/03

Source: HRSA, MCH Bureau  
PI: Tanya K. Sorensen, MD.  
**Title:** **Epidemiology of Elevated Homocyst(e)ine and Risk of Preeclampsia**  
Role on Project: Co-Principal Investigator, 5% effort  
Dates/direct costs: 01/01/00-12/31/03

Source: HRSA, MCH Bureau  
PI: Michelle A. Williams, Sc.D.  
**Title:** **The Epidemiology of Abruptio Placentae**  
Role on Project: Principal Investigator, 20% effort  
Dates/direct costs: 07/01/00-03/01/06

Source: NIH/NICHD/ Fogarty International Center  
PI: Michelle A. Williams, Sc.D. (Sixto E. Sanchez, MD, MPH, Co-PI)  
**Title:** **Genetic Risk Factors of Preeclampsia among Peruvian Women**  
Role on Project: Principal Investigator, 05% effort (Contributed)  
Dates/direct costs: 7/01/00-6/30/04

Source: NIH/NICHD & NHLBI  
PI: Michelle A. Williams, Sc.D.  
**Title:** **The Epidemiology of Marine Fatty Acids and Preeclampsia - Competing Continuation**  
Role on Project: Principal Investigator, 05% effort  
Dates/direct costs: 11/01/01-02/28/08

Source: NIH/Fogarty International Center  
PI: Michelle A. Williams, Sc.D.  
**Title:** **Multidisciplinary International Research Training Grant**  
Role on Project: Principal Investigator, 20% effort (Contributed)  
Dates/direct costs: 10/01/03-06/30/14

Source: NIH/NICHD  
PI: Michelle A. Williams, Sc.D.  
**Title:** **Reproductive, Perinatal and Pediatric Epidemiology Training Grant**  
Role on Project: Principal Investigator, 05% effort  
Dates/direct costs: 04/01/06-03/31/11

Source: NIH/NICHD/ Fogarty International Center  
PI: Michelle A. Williams, Sc.D. (Sixto E. Sanchez, MD, MPH, Co-PI)  
**Title:** **Epidemiology of Abruptio Placentae among Peruvian Women**

Role on Project: Principal Investigator, 05% effort (Contributed)  
 Dates/direct costs: 2/01/06 - 3/31/09

Source: NIH/NICHD/ES  
 Co-PI: Michelle A. Williams, Sc.D. (Carole Butler, PhD, Co-PI)  
**Title:** **Ambient Air Pollution, Preeclampsia, and Preterm Delivery**  
 Role on Project: Co-Principal Investigator, 10% effort  
 Dates/direct costs: 04/01/06-03/31/11

Source: NIH/ NIH/NIDDK/ DK075511-01  
 PI: David Siscovick (PI)  
**Title:** **Genetics and Fetal Origins of Obesity**  
 Role on Project: Co- Investigator, 10% effort  
 Dates/direct costs: 07/01/06 - 6/30/11

Source: March of Dimes - # FY-08-425  
 PI: Michelle A. Williams, Sc.D.  
**Title:** **Preconceptional Cohort Study of Metabolic Abnormalities in Relation to Incident Preeclampsia and Preterm Delivery in China**  
 Role on Project: Principal Investigator, 10% effort  
 Dates/direct costs: 07/01/08 - 6/30/12

Source: NIH/NICHD -1R01HD055566  
 Co-PI: Michelle A. Williams, Sc.D. (PI)  
**Title:** **A Prospective Cohort Study of Migraines, Platelet Activation, and Preeclampsia**  
 Role on Project: Principal Investigator, 10% effort  
 Dates/direct costs: 08/01/08-07/31/15

Source: NIH 1 R43 LM010245-01  
 Co-PI: Wes Turner, Ph D. and Michelle A. Williams, Sc.D. (Co-PIs)  
**Title:** **Flexible Information Visualization and Analysis Platform for Biomedical Research**  
 Role on Project: Co-Principal Investigator, 8% effort  
 Dates/direct costs: 12/1/09-11/3/12

Source: NIH/NICHD -1 R01 HD059827-01A2  
 Co-PI: Michelle A. Williams, Sc.D. (Co-PI)  
**Title:** **Triggers of Abrupt Placentae - A Case Crossover Study of an Ischemic Placental Disease**  
 Role on Project: Co-Principal Investigator, 20% effort  
 Dates/direct costs: 09/10/2010 – 07/31/2017

Source: NIH/NICHD -1 R01 HD059835-01A2  
 PI: Michelle A. Williams, Sc.D. (PI)  
**Title:** **A Cohort Study of Preterm Delivery in Relation to Partner Abuse, Mood and Anxiety Disorders**  
 Role on Project: Principal Investigator, 20% effort  
 Dates/direct costs: 09/01/2010 – 07/31/2017

Source: CDC/Battelle Contract  
 PI: Michelle A. Williams, Sc.D. (PI)  
**Title:** **Vitamin D and Preterm Birth Mood and Anxiety Disorders**  
 Role on Project: Principal Investigator, 10% effort

Dates/direct costs: 01/01/2011 – 12/30/2011

Source: NIH/NICHD 2 T32 HD052462-06  
 PI: Michelle A. Williams, Sc.D.  
**Title:** **Reproductive, Perinatal and Pediatric Epidemiology Training Grant**  
 Role on Project: Principal Investigator, 05% effort  
 Dates/direct costs: 04/01/11-03/31/16  
 Impact Score: 10 – *Awarded and changed PI in 2012*

Source: NIH/NIMHD T37 MD001449-18  
 PI: Michelle A. Williams, Sc.D.  
**Title:** **Multidisciplinary International Research Training Grant**  
 Role on Project: Principal Investigator, 20% effort (Contributed)  
 Dates/direct costs: 10/01/2014-06/30/18

Source: NIH/UL1 TR001102-02  
 PI: Nadler  
**Title:** **Harvard Clinical and Translational Science Center**  
 Role on Project: Program Director, 20% effort  
 Dates/direct costs: 09/26/13 - 04/30/17

Source: NIH/NIDDK R01 DK101442-01  
 PI: Halperin  
**Title:** **Human Studies on Blood Levels of Glycated CD59 as a Biomarker in Diabetes**  
 Role on Project: Co-I, 5% effort  
 Dates/direct costs: 08/01/14 - 06/30/17

Source: HRSA T03 MC07648  
 PI: McCormick  
**Title:** **Epidemiologic MCH/SPH Institute**  
 Role on Project: Co-PI, 5% effort  
 Dates/direct costs: 09/26/13 - 04/30/18

### C. Pending Research Funding

*Note: Having recently stepping down from the deanship, I am currently in the midst of relaunching my independent research program. I plan to begin writing and submitting grants to acquire extramural research funding to support my research in women's health and global health. In addition, I intend to begin submitting pre- and post-doctoral research training grants.*

### VII. Clinical Trials – N/A

### VIII. Patents - None

### IX. Editorial Services

#### A. Editorial Boards

1997-2006	Member, Editorial Board, Epidemiology
1998-2005	Member, Editorial Board, Paediatric and Perinatal Epidemiology
2000	Guest Editor, Paediatric and Perinatal Epidemiology
2008-2012	Member, Editorial Board, Obstetrics and Gynecology International
2009-2023	Member, Editorial Board, International Journal of Molecular Epidemiology and Genetics

## **B. Editorial Review Consultant**

1. American Journal of Epidemiology
2. Epidemiology
3. American Journal of Obstetrics and Gynecology
4. American Journal of Public Health
5. JAMA: The Journal of the American Medical Association
6. Environmental Health Perspective
7. New England Journal of Medicine
8. Obstetrics and Gynecology
9. International Journal of Epidemiology
10. Cancer Causes and Control
11. Paediatric & Perinatal Epidemiology
12. American Journal of Clinical Nutrition
13. Cancer Epidemiology Biomarkers and Prevention
14. Human Heredity
15. British Medical Journal
16. Maternal and Child Health Journal
17. American Journal of Hypertension
18. Medicine & Science in Sports & Exercise
19. Hypertension
20. Annals of Epidemiology
21. Diabetes Care

## **X. Services for Grant Review**

1. Peer Reviewer, Health Canada, Health Programs and Services Branch, Extramural Research Programs, February, 1995.
2. Study Section Committee Member, National Institutes of Health, Fogarty International Center, June 1995.
3. Board of Scientific Counselors (Ad Hoc Board Member), National Institutes of Health, National Institute of Environmental Health Sciences, Division of Intramural Research, June 1996.
4. Reviewer, National Institutes of Health, National Institute of Environmental Health Sciences, Division of Extramural Research and Training: "Pregnancy, Heredity, and Environment: A Case-Control Study of Facial Clefts". July 1997.
5. Reviewer, National Institutes of Health, Special Emphasis Panel, Epidemiology and Disease Control, Health Promotion/Disease Prevention, Center for Scientific Review, May 1998.
6. Member, Epidemiology and Disease Control -1 (EDC-1) Study Section, Center for Scientific Review, National Institutes of Health, 1998-2003 (Ad Hoc Member, 2003-present).
7. Board of Scientific Counselors (Board Member), National Institutes of Health, National Institute of Environmental Health Sciences, Division of Intramural Research, 1999-2003.
8. Member, National Center for Research Resources, Research Centers in Minority Institutions Study Section, National Institutes of Health, 2000-2004.
9. Member, Maternal and Child Health Bureau, Research Study Section, Department of Health and Human Services, 2000-2004.
10. External Expert Research Grant Reviewer (Ad Hoc), The Wellcome Trust, 2001, 2002, 2003, 2004.
11. Member/Reviewer, National Institutes of Health, Special Emphasis Panel, Translational Research: Uterine Fibroids, June 2003.
12. Reviewer, National Institutes of Child Health and Human Development and Maternal Fetal Medicine Units Networks. Combined Antioxidant and Predictions Studies Subcommittee. August, 2003.
13. Member, March of Dimes, Research Grant Review Study Section. 2004-2009.

14. Cincinnati Children's Hospital Clinical Research Program, Site Visit 2006.
15. Ad Hoc Member, NIH, CASE, Study Section, October, 200).
16. Reviewer, Institute of Medicine, NAS, 2007.
17. Ad Hoc Member, NIH, Epigenetics Study Section, February 2009.
18. Reviewer, National Science Foundation, Ireland, 2009.
19. Reviewer, Health Canada, Health Programs and Services Branch, Extramural Research Programs, March 2009.
20. Member, Maternal and Child Health Epidemiology Program CDC/HRSA, MCH EPI Conference Planning Committee; and Scientific Review Panel, 2010-2012.
21. Board of Scientific Counselors (Board Member), National Institutes of Health, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD), Division of Intramural Research, 2011-2016.
22. Board of Scientific Counselors (Board Member), National Institutes of Health, *Fogarty International Center*, 2018-2023.

## **XI. University Administrative Service**

### **A. Harvard University Service**

1. Chair, Department of Epidemiology, Harvard T.H. Chan School of Public Health, 2011-June 2016.
2. Dean of the Faculty, Harvard T.H. Chan School of Public Health. July 2016-2023.
3. Angelopoulos Professor in Public Health and International Development, Harvard T.H. Chan School of Public Health and Harvard Kennedy School. July 2018-2023.

### **B. University of Washington Service**

1. University of Washington, School of Public Health and Community Medicine, Minority Affairs Committee, Committee Member, 1993-1997.
2. University of Washington, School of Public Health and Community Medicine, Committee on Women's Health, Committee Member, 1994-1995
3. University of Washington, Office of the Provost, Royalty Research Fund, Health Sciences and Medicine, Review Committee Member, 1994-1996.
4. University of Washington, Faculty Senate, 1996-1998.
5. University of Washington Rhodes Scholarship Committee Member, 1996.
6. University of Washington, School of Public Health, Strategic Planning Committee, Member, 1999-2000.
7. University of Washington, School of Public Health, Dean Search Committee, 1997-1998.
8. University of Washington, School of Public Health, Epidemiology Department Chair Search Committee, 1998-1999.
9. University of Washington, Graduate Opportunities and Minority Achievement Program (GO-MAP), Advisory Committee Member, 2000-2002.
10. University of Washington, University Initiative Fund (UIF-3), Committee Member, Grant Reviewer, 2000-2001.
11. University of Washington, Department of Epidemiology, MCH Faculty Search Committee, 2003-2005.
12. Department of Epidemiology, Admissions Committee, 2006-2016.
13. Department of Epidemiology, Junior Faculty Mentoring Committee, 2006-2008.
14. School of Public Health and Community Medicine, Diversity Task Force, 2006-2009.
15. School of Public Health and Community Medicine, Global Health Department, Faculty Search Committee, 2008.
16. School of Public Health and Community Medicine, Thomas Francis Fellowship Selection Committee, Faculty Search Committee, 2008-2009.

17. School of Nursing, Dean Search Committee, 2008.
18. School of Public Health and Community Medicine, Global Health Curriculum Advisory Committee, 2008.
19. School of Public Health, Dean Search Committee, 2009-2010.
20. University of Washington, Board of Conciliator (Board Member, Conciliation Officer), 2009-2011.

## **XII. Services for Professional Other Organizations**

1. Member External Committee, Peru's Ministry of Health National Hospital, Dos de Mayo, 1998-2023.
2. Member, Board of Trustees, Seattle Biomedical Research Institute, 1998-present.
3. Member, National Health Lung and Blood Institute, National Institutes of Health, Hypertension in Pregnancy Working Group, 2001.
4. Member, National Research Council/Institute of Medicine and the National Academies, Board on Children, Youth and Families, November 2001-2004.
5. Member, National Children Study Working Group, Prenatal Origins of Adult Disease, 2001-2004.
6. Chair, Expert Panel on Minority Researchers, Maternal and Child Health Bureau and Office of Minority Health, Department of Health and Human Services, June 2002.
7. Member, Data Safety and Monitoring Committee. National Institute of Child Health and Human Development, CAPPS Study. 2003-2008.
8. Member, APHA Awards Selection Committee, 2008-2010.
9. Member, Steering Committee, NIH/NHGRI and RTI, PhenX Project, 2008-2016.
10. Moderator, NCMHD, Global Health Disparities Issues, Disparities Conference, December 2008.
11. Member, NIH, National Scientific Advisory Committee, National Children's Study, 2009-2014.
12. Member, American Diabetes Association, Pregnancy and Reproductive Health Section, Planning Committee, 2010-2012.
13. Board Member, National Advisory and Safety Monitoring Board for the Nulliparous Pregnancy Study: Monitoring Our Mothers-to-be (NuMoM), NIH/NICHD, 2010-2014.
14. Co-Chair, Workshop on Pregnancy & Pregnancy Outcomes. *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD), 2010-2012.
15. Member, Diabetes Association's Scientific Sessions Meeting Planning Committee, Association's 71<sup>th</sup> Scientific Sessions, 2011-2012.
16. Co-Chair, Workshop on Pregnancy & Pregnancy Outcomes. *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD), 2010-2012.
17. Member, Diabetes Association's Scientific Sessions Meeting Planning Committee, Association's 71<sup>th</sup> Scientific Sessions, 2011-2012.
18. Search Committee for Director for Research, March of Dimes, 2012.
19. Search Committee for Institute Director, National Institutes of Health, *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD), 2015.
20. Member, Committee on Incorporating 21st Century Science into Risk-Based Evaluations, 2016-2017.
21. Board Member, Global Alliance to Prevent Prematurity and Stillbirth, 2016-2018.
22. Member, Advisory Committee, Public Health Reaching Across Sectors (PHRASES), 2017-2018.
23. Member, Science and Technology Advisory Group, International Monetary Fund, 2017-2019.
24. Member, Advisory Committee, Massachusetts Cancer Registry, 2016-present.
25. Member, Advisory Board, Ariadne Labs, 2016-2023.
26. Member, Advisory Board, Fogarty International Center, National Institutes of Health, 2018-present.
27. Trustee, McLean Hospital Board of Trustees, June 2018-present.
28. Co-Chair, Lake Nona Impact Forum, National Advisory Board, 2019-present.

29. Co-Chair, Expert Advisory Committee on Global Public Health, OneShared.World, May 2020-2024.
30. Member, Advisory Board, McCance Center for Brain Health, Massachusetts General Hospital, June 2020-present.
31. Member, International Advisory Board of the Vanke School of Public Health, Tsinghua University, August 2020-present.
32. Member, Scientific Committee of the School of Global Health (SGH), Faculty of Medicine, Chulalongkorn University, April 2021-present.
33. Member, Steering Committee of the National Academy of Medicine (NAM) Action Collaborative on Clinician Well-Being, 2021-2022.
34. Member, PCORI National Advisory Board for PCORI grant entitled, “Advancing perinatal mental health and wellbeing: The DC Mother-Infant Behavioral Wellness Program.” June 2021-present.
35. Member, Expert Panel of the Reckitt Global Hygiene Institute, September 2021-2024.
36. Member, External Advisory Board, Sandra L. Fenwick Institute for Pediatric Health Equity and Inclusion. September 2021-present.
37. Board Member, and Chair of Programs Committee, Americares Board of Directors, 2021-present.
38. Founding Co-Chair, Reform for Resilience Commission, 2021-2024.
39. Member, World Economic Forum, Global Alliance for Women’s Health, 2022-present.
40. Member, World Economic Forum, Global Health Equity Network, 2022-present.
41. Founding Board Member and Executive Committee Member, Partnership for Central America (in partnership with the Biden-Harris Administration), 2021-present.
42. Board Member, ICF Board of Directors, 2022-present.
43. Founding Board Member and Executive Committee Member, Partnership for Digital Transformation Africa (in partnership with the Biden-Harris Administration), 2023-present.
44. Co-Chair, Novartis Foundation, AI for Healthy Cities, 2023-present.
45. Collaborator- Co-Author, Deloitte, Health Equity Economics Analysis, 2023-present.

### **XIII. Presentations**

#### **A. Selected (32 of 100+) Invited National and Regional Presentations**

1. Harvard Neonatal-Perinatal Medicine Program, “Implications of Early Life Trauma on Perinatal Psychiatric and Sleep Disorders,” January 28, 2016.
2. Graduate Summer Program in Epidemiology, University of Michigan, Leonard M. Schuman Memorial Lecture, “Using the Case-Crossover Study Design to Study the Molecular Epidemiology and Triggers of Acute Perinatal Outcomes,” July 27, 2016.
3. Emory University, Rollins School of Public Health, “The Molecular Epidemiology and Novel Risk Factors of Placental Abruptio,” April 13, 2017.
4. 2018 Lake Nona Impact Forum, Orlando, Florida, “Public Health Perspectives of Self-Care: The Three Pillars of Prevention,” March 1, 2018.
5. She Roars: Celebrating Women at Princeton, Princeton, New Jersey, “Prescribed or Proscribed? The Shaping of Health Care Policy--Reproductive Rights, the Opioid Epidemic, Insurance Access and Other Critical Conditions,” October 6, 2018.
6. Magee Women’s Summit, Pittsburgh, Pennsylvania, “A Call to Action - the Path Forward,” October 10, 2018.
7. White House Fellows Annual Conference, Washington, D.C., “Pandemics, Epidemics and Health Systems: Challenges for Sustainability & Resilience,” October 26, 2018.
8. 2019 Lake Nona Impact Forum, Orlando, Florida, “Time Travel: Welcome to Healthcare 2030,” February 21, 2019.
9. On Cue 2019, Boston, Massachusetts, “The Bigger Picture on Planetary Health”, June 11, 2019.
10. Exponential Medicine Symposium, San Diego, California, “Planetary Health and Global Health”, November 6, 2019.

11. Sages and Scientists Symposium, Bentonville, Arkansas, “Mental Well-Being - The Fate of Our Communities, November 15, 2019.
12. JP Morgan Annual Health Care Summit, “Social Impact Investment for Population Health” January 15, 2020.
13. House Homeland Security Committee, US Government. “A Panel Discussion on Health Disparities” May 7, 2020.
14. Fortune Brainstorm Health “The New Front Door to Healthcare” July 8, 2020.
15. JEF/Cura Foundation, “The Importance and Challenges of Disseminating Accurate Information Quickly During a Pandemic,” August 17, 2020.
16. Peter G. Peterson Foundation Economic Forum, “Restoring Our Economy Post Pandemic” August 27, 2020.
17. Centers for Disease Control and Prevention, Office of Science, Charles C. Shepard Science Award Lecture “Racism: The Real Public Health Crisis” Sept 15, 2020.
18. Keynote, Osher Center, Harvard University Medical School, “Healthcare Provider Resilience and Wellbeing: Focusing Our Conversation in the Pandemic Era” October 26, 2020.
19. Invited Speaker, National Academies of Medicine, “Forum on Mental Health and Substance Use Disorders Workshop Part 1” November 23, 2020.
20. National Academy of Science Engineering and Medicine Keynote Address, “Racism: The Real Public Health Crisis” November 23, 2020.
21. Indiana School of Public Health–Bloomington, “Racism is a Public Health Crisis: Epidemiological Evidence and Narratives to Promote Social Justice” February 24, 2021.
22. 2021 AES Annual Meeting (virtual), 39th Alexander Langmuir Lecture “Racism as a Public Health Crisis: Using Epidemiological Evidence and Narratives to Promote Social Justice” March 19, 2021.
23. Harvard Center for Comparative Medicine, Harvard Medical School, “Provider Resilience and Wellbeing: Focusing on Conversation in the Pandemic Era and Beyond” November 2, 2022.
24. Harvard Club of Chicago, “Public Health’s Bold Agenda” October 11, 2022.
25. National Academies of Medicine “Addressing the challenge of inequality during pandemics: Policy implications,” October 16, 2022.
26. WHAM Annual Meeting, Why Women’s Health Matters” October 21, 2022.
27. Katz Institute of Women’s Health “Equal in principle but not in practice: The drive for women’s health equity” February 28, 2023.
28. Deloitte “What is the economic impact of achieving health equity?” May, 2023.
29. Plum Village, Monastery, San Diego CA, The Buddha the Scientist Retreat, “Interconnectedness of Human’s Actions on Planetary & Public Health” December 19, 2023.
30. Center for Health Policy and Law, Northeastern University, Boston, MA “ The Supreme Court’s Affirmative Action Ruling: Impacts on Health Equity and Public Health” April 12, 2024.
31. University of Rochester, Center for Community Health, and Prevention, 2024 Guyer Lecture in Public Health, “Bold Steps American Health Care Systems Must Take to Ensure an Equitable Healthier Future” April 19, 2024.
32. WELL Recharge Conference Long Beach, CA “Icons of Public Health: Evidence to Action” May 3 2024.

**B. Selected (10 of 48) Invited International Presentations**

1. Asia Society of Hong Kong “Women’s Health: A Call to Action,” March 16, 2017.
2. Keynote Lecturer, World Congress on Women's Mental Health, Dublin, Ireland “Women's Mental Health in Relation to Trauma Exposure Across the Life Course,” March 7, 2017.
3. 2<sup>nd</sup> International Conference on (Re) Emerging Infectious Diseases, Addis Ababa, Ethiopia, “Need for an Integrated Platform Approach to Respond to Emerging Infectious Diseases”, March 13, 2019.
4. Institute of Social and Preventive Medicine (ISPM), Keynote Address, “Global Health: Past and Future Celebrating 50 Years of the Institute of Social and Preventive Medicine” October 26, 2021.

5. Chulalongkorn University, Thailand, “Global Health’s Bold Agenda”, October 6, 2022.
6. 11th Annual Chanchlani Global Health Award Lecture, McMaster University, Health Sciences “Perspective on Uncovering Triggers of Acute Perinatal Outcomes: An Epidemiological and Molecular Approach” Monday, October 30, 2023.
7. McMaster University Global Health Grand Rounds Seminar Series, Hamilton, Canada “Addressing Climate Change with a Global Health-First Approach” October 31, 2023.
8. National University of Singapore, Women’s Health Conference “Redefining the Future of Women’s Health and Wellness: The Importance of Investing in Women’s Health Research and Action” November 11, 2023.
9. International Women in STEM & Medicine Symposium, National University of Singapore, Keynote, “Why is women’s health research and closing the equity gap important to for all of us?” March 25, 2024
10. Duke-NUS Seminar, Singapore,, “How Digital Platforms Can Accelerate Research and Closure of the Gender Health Gap: Apple Women’s Health Study” March 28, 2024.

### C. Podcasts

1. Carmelo Anthony Youtube Channel. Flattening the COVID-19 Curve in the Black Community: Interview w/Harvard’s Dean Michelle Williams, May 26, 2020. Available at: <https://www.youtube.com/watch?v=2XSTkWC8ocU>
2. Michelle Williams: Public Health is “Undervalued & Underinvested” | SALT Talks October 29, 2020. Available at: <https://www.youtube.com/watch?v=ETthhQ9jNRo>
3. Nursing and Nursing Leadership in Global Public Health, Nursing Economic\$ Podcast Series Podcast guests: Michelle Williams, Stephanie Ferguson, Donna M. Nickitas, January 12, 2021. Available at: <https://www.spreaker.com/user/jpi-podcasts/nursing-and-global-health>
4. Michelle Williams, Her Story Podcast, March 25, 2021. Available at: <https://www.youtube.com/playlist?list=PLNTs-so4zX01SOPPUbuwKnuVKxGXafo>
5. Michelle Williams: Sway (Kara Swisher), April 6, 2021. Available at: <https://www.nytimes.com/2021/04/12/opinion/sway-kara-swisher-michelle-williams.html>
6. Michelle Williams, Health, Undervalued From The Well, The China Current with James Chau, May 9, 2021, Part 1. Available at: <https://chinacurrent.com/story/21410/health-undervalued-michelle-williams-from-the-well>
7. Michelle Williams, “Health, Undervalued” From The Well, The China Current with James Chau, May 11, 2021, Part 2. Available at: <https://chinacurrent.com/story/21411/wisdom-in-health-michelle-williams-from-the-well>
8. Williams, MA and Bitton A. Declining Life Expectancy in the U. Washington Post Live, April 10, 2023 <https://www.washingtonpost.com/washington-post-live/2023/04/10/declining-life-expectancy-us/>
9. Phillips S, Williams MA. (Podcast) Why long Covid might predate the pandemic. STAT News Podcast. Oct 10, 2023. <https://www.statnews.com/2023/10/18/long-covid-me-cfs-chronic-illness-research/>

### D. Selected (10 of 24) Media Interviews

1. Facebook Live Interview with Councilwoman Sandoval, June 17, 2020. Available at: <https://www.facebook.com/AnaSandovalD7/videos/1194933627510316/>
2. Washington Post Live Interview with Arianna Huffington and Natalie Tran, June 26, 2020. Available at: <https://www.youtube.com/watch?v=MHZLQcjvWNU>
3. CNBC Squawk Box, Dean of Harvard’s School of Public Health on whether schools should reopen, July 21, 2020. Available at: <https://www.cnbc.com/video/2020/07/21/schools-reopening-coronavirus-public-health-squawk-box.html>
4. Chris Cuomo’s Sirius Radio Show: Let’s Get After It, Mental Health in the Time of COVID, January 27, 2021.

5. Bloomberg Quicktake, Black in Focus, April 29, 2021. Available at: <https://www.bloomberg.com/news/videos/2021-04-29/-black-in-focus-michelle-a-williams-video>
6. Bloomberg Balance of Power, Topic: Reform for Resilience, June 10, 2021. Available at: <https://www.bloomberg.com/news/videos/2021-06-10/-balance-of-power-full-show-06-10-2021-video>
7. Viacom CBS Inclusion Week: Vaccines & People of Color Discussion with Michelle Williams and Jonathan David LaPook, October 26, 2021.
8. Boston Globe interview with Felice Freyer on Zhejiang and Vanke collaborations, December 1, 2021. Available at: <https://www.bostonglobe.com/2021/12/01/metro/harvards-public-health-school-forms-partnership-with-chinese-university-tackle-global-threats/>
9. President Biden's pandemic response plan: One year on, Pien Huang of NPR, January 18, 2022. Available at: <https://www.npr.org/sections/health-shots/2022/01/18/1073292913/a-year-in-experts-assess-bidens-hits-and-misses-on-handling-the-pandemic>
10. Interview with Dr. Jon LaPook, CBS Sunday Mornings, January 21, 2022.

## XIV. Teaching History

### A. Formal Classroom Teaching

1. UCONJ 290: **Diversity Issues in the Health Care Environment**, Winter Quarter, 1994, Course Director.
2. UCONJ 290: **Diversity Issues in the Health Care Environment**, Fall Quarter, 1995-1997, Course Director.
3. EPI 514: **Applications of Epidemiologic Methods**, Spring Quarters, 1992 and 1994, Preceptor.
4. Northwest Center for Public Health Practice: **Diversity Issues in Public Health**, Summer 1994, Course Director.
5. EPI 521: **Epidemiology of Maternal and Child Health Problems**, Winter Quarters, 1993 and 1994, Lecturer.
6. EPI 521: **Epidemiology of Maternal and Child Health Problems**, Winter Quarter, 1995-2000, Co-Instructor with Professor Emanuel.
7. EPI 521: **Epidemiology of Maternal and Child Health Problems**, Winter Quarter, 2001-2009, Lead-Instructor (100% Responsibility).
8. EPI 538: **Nutritional Epidemiology**, Winter Quarter, 1995, Guest Lecturer.
9. UCONJ 290: **Diversity Issues in the Health Care Environment**, Spring Quarter, 1995, Guest Lecturer.
10. UCONJ 290: **Diversity Issues in the Health Care Environment**, Spring Quarter, 1996-2000, Instructor.
11. EPI 573: **Methods and Issues in Using Biological Measurements in Epidemiologic Research**, Winter Quarter, 1996; Winter Quarter, 1998, Guest Lecturer.
12. EPI 521: **Epidemiology of Maternal and Child Health Problems**, Winter Quarter, 2001-2009, Co- (100% Responsibility).
13. EPI 521: **Epidemiology of Maternal and Child Health Problems**, Winter Quarter, 2010-present, Co-Instructor with Dr. Daniel Enquobahrie (50% Responsibility).
14. Reproductive Epidemiology at Boston University Fall 2013 Epidemiology of Mental Health Disorders, INSP, Mexico, Summer 2013. Epidemiology of Gestational Diabetes, Kaiser Permanente (Oakland) – Winter 2014 Visiting Professor
15. EPI 506 **Challenges in Latin American Mental Health: Translating Epidemiological Research into Policy Action**, Winter 2014 Harvard Chan School (with Dr. Maria Elena Medina Mora) (50% Responsibility)

*\* I reduced my classroom teaching responsibilities when I assumed the role and responsibilities of Epidemiology Department Chair and then Dean of the Faculty.*

**B. Advising and Mentoring Master's Students**

1. Cynthia Bradley, 1992-1993, Predoctoral, Epidemiology. Parental Occupations in Relation to Risk of Craniosynostosis. Master's thesis (Committee Member).
2. Joanna Haug, 1991-1993, Predoctoral, Epidemiology. Premature Rupture of Membranes in Washington State, 1989-1990: Risk Factors and Outcomes. Master's thesis (Committee Member).
3. Priscilla Velentgas, 1991-1993, Predoctoral, Epidemiology. Chronic hypertension, pregnancy-induced hypertension, and low birth weight. Master's thesis (Committee Member).
4. Martin J. Kileen, 1993, Epidemiology, The Risk of Invasive Epithelial Ovarian Cancer and Recency of Last Full Term Pregnancy or Oral Contraceptive Use. Master's thesis (Committee Member).
5. Karen Snyder, 1994-1995, International Health, Determinants of Total Marital Fertility Rates in Nepal. Master's thesis (Committee Member).
6. Andrea Skelly, 1995-1996, Predoctoral, Maternal and Child Health Program, Department of Health Services. Master's thesis (Committee Member).
7. Jonnae Atkinson, 1995-1997, Predoctoral, Epidemiology. Risk of Pregnancy Induced Hypertension among Diabetics in WA state; and Dietary Risk Factors for Preeclampsia-Eclampsia among Zimbabwean Women. Master's thesis (Chair).
8. Marian Andersen, 1995-1996, Postdoctoral, Maternal and Child Health Program, Department of Health Services. Master's thesis (Chair).
9. Katrina VanValen, 1995-1996, Predoctoral, Department of Epidemiology (Maternal and Child Health Program). Childhood Morbidity in Relation to Short-term and Persistent Poverty. Master's thesis (Chair).
10. Alison Leahy, 1995-1997, Predoctoral, Nutrition Sciences. Serum Lipids in Preeclamptic and Normotensive Pregnant Women. Master's thesis (Committee Member).
11. Lily Kay, 1995-1996, Predoctoral, Health Services, Maternal and Child Health Program. A Comparison of Obstetrics and Gynecology Provider Services in the Group Health Cooperative. Master's thesis (Committee Member).
12. Allison Little, 1996-1998, Predoctoral, Extended Degree Program, Epidemiology. Determinants of Low Birth Weight among Women from the Ukraine. Master's thesis (Committee Member).
13. Rachel Remler, 1997-1998, Predoctoral, Department of Epidemiology. Reproductive Risk Factors for Renal Cell Carcinoma. Master's thesis (Chair).
14. Molly Parker, 1997-1998, Predoctoral, Health Services, Maternal and Child Health Program. Determinants of Utilization of Induced Abortion Services in Washington State. Master's thesis (Committee Member).
15. Judith Cahero, 1998-1999, Predoctoral, Health Services, International Health Program. Prenatal Care Utilization and Fetal Outcomes at Harare maternity Hospital. Master's thesis (Chair).
16. Alice Park, 1998-1999, Predoctoral, Health Services, Maternal and Child Health Program. Unintended Pregnancy: Relationship to Measures of Stress and Social Support. Master's thesis (Committee Member).
17. Cuilin Zhang, 1998-1999, Postdoctoral, Epidemiology. Plasma Antioxidant Vitamins among Preeclamptic and Normotensive Peruvian Women. Master's thesis (Chair).
18. Keira Armstrong, 1999-2000, Predoctoral, Health Services, International Health Program. Zimbabwe Community Level HIV Risk Study; an ecological study of socio-economic factors in HIV ante-natal sentinel sites. Master's thesis (Committee Member).
19. Paul Gooris, 1999-2001, Predoctoral, Health Services. Recurrent Risk of Gestational Diabetes in Relation to Maternal Breast-feeding History. Master's thesis (Chair).
20. Nadine Chang, 1999-2001, Predoctoral, Health Services, Maternal and Child Health Program. Determinants of Breast Cancer in Asian Populations. Master's thesis (Committee Member).
21. Carolyn M. Gardella, 1999-2001, Postdoctoral, Epidemiology, Amniotic Fluid Lipopolysaccharide Binding Protein and Soluble CD14 as Mediators of Inflammatory Response in Preterm Labor. Master's thesis (Chair)
22. Clarisse Akofomo, 2000-2001, Postdoctoral, Epidemiology. Maternal Iron Nutritional Status in the First Trimester of Pregnancy and Subsequent Risk of Preeclampsia. Master's thesis (Chair)

23. Yi (Ray) Ning, 2001-2003, Postdoctoral, Epidemiology. Physical Activity before and During Pregnancy in Relation to Risk of Prolonged Labor and Cesarean Section Delivery. Master's thesis (Chair).
24. Chun-Fang Qiu, 2001-2002, Postdoctoral, Epidemiology. Family history of hypertension and diabetes in relation to preeclampsia risk. Master's thesis (Chair).
25. Sices Laura, 2000-2002, Postdoctoral, Epidemiology. Screening for developmental delays and patterns of referral in primary care: a national survey. Master's thesis (Chair).
26. Michael Neufeld, 2000-2003, Postdoctoral, Epidemiology (Maternal and Child Health Program). Maternal infection and risk of cerebral palsy in term and preterm infants. Master's thesis (Chair).
27. Pedro Garcia, 2002-2004, Postdoctoral, Epidemiology (Maternal and Child Health Program). Epidemiology of preterm delivery among Peruvians Master's Thesis (Chair).
28. Danise Podvin, 2002-2003, Predoctoral, Epidemiology (Maternal and Child Health Program), Risk of childhood leukemia associated with maternal birth characteristics. Master's Thesis (Committee Member).
29. Tu T. T. Phung, 2003-2004, Postdoctoral, Epidemiology (International Health Program), Epidemiology of Preterm Delivery in Thai Nguyen Vietnam. Master's Thesis (Chair).
30. Kathryn Sinclair/Adeney, 2004-2006, Predoctoral, Epidemiology. To be determined. Master's Thesis (Chair).
31. Melissa Carbine, 2004-2006, Predoctoral, Health Services, (Maternal and Child Health Program), Malaria and Pregnancy Outcome. Master's Thesis (Chair).
32. Marc Philpart, 2006-2007, Predoctoral, Health Services, (HCOP), Gender-Based Violence in Ethiopia. Master's Thesis (Committee Member).
33. Yasmin Barrios, 2006-2008, Predoctoral, Health Services, (HCOP), Neighborhood Safety Characteristics and Physical Activity among Peruvians. Master's Thesis (Committee Member)
34. Bizu Gelaye, 2007-2010, Predoctoral, Epidemiology, Physical Functioning Measures in Relation to Vitamin D Deficiency among Cardiovascular Health Study Participants. Master's Thesis (Committee Member).
35. Yvonne Lynn 2007-2009, Postdoctoral, Epidemiology, Maternal and Child Health, Medications Use among Children with Chronic Medical Conditions. Master's Thesis (Committee Chair).
36. Wendy Ellis 2007-2009, Predoctoral, Health Services, Maternal and Child Health, Qualitative study of Psychiatric Services Available to Low Income Families of Children with Special Health Care Needs. Master's Thesis (Committee Member).
37. Qiu Yue Zhong 2011-2013, Postdoctoral, Epidemiology. Diagnostic Validity of a Brief Generalized Anxiety Disorder (GAD) Screening Instrument among Pregnant Women in Lima, Peru (Committee Chair).
38. Sandja Kajeepeta 2012-2014. Predoctoral, Epidemiology. Adverse childhood experiences are associated with adult sleep disorders: a systematic review (Committee Chair).
39. Olivia Orta, O. 2012-2014. Predoctoral, Epidemiology. Depression, anxiety and stress among pregnant migraineurs in a pacific-northwest cohort (Committee Chair)
40. K. Wander 2014-2016. Postdoctoral, Epidemiology. The Evolutionary epidemiology of iron deficiency anemia (Committee Member)

### **C. Advising and Mentoring Doctoral Students**

1. Judith Rayl, 1992-1995, Predoctoral, School of Medicine and Epidemiology. A Case-Control Study of Preeclampsia and Barrier Contraception. MD, PhD candidate (Member of Dissertation Committee).
2. Maureen Sanderson, 1993-1996, Predoctoral, Epidemiology. Perinatal Risk Factors for Breast Cancer. PhD candidate (Chair of Dissertation Committee).
3. Marc Germain, 1993-1996, Postdoctoral, Epidemiology. A Study of Risk Factors for Neonatal Complications Following Clinical Chorioamnionitis. PhD candidate (Chair of Dissertation Committee, as of June 1995).
4. Priscilla Velentgas, 1994-1996, Predoctoral, Epidemiology. Pregnancy and Other Hormonal Exposures after Breast Cancer and Risk of Recurrence or Mortality in Women Diagnosed before age 45. PhD candidate (Member of Dissertation Committee).

5. Jean Shapiro, 1994-1997, Predoctoral, Epidemiology. Risk of Renal Cell Carcinoma in Relation to Use of Diuretic and Non-Diuretic Antihypertensive Medications. PhD candidate (Chair of Dissertation Committee).
6. Carolyn Anderman, 1995-1999, Predoctoral, Epidemiology. Psychosocial Stress and Risk of Preterm Delivery. PhD candidate (Member of Dissertation Committee; Committee Chair as of March 1998).
7. Michal Kulich, 1996-1997, Predoctoral, Biostatistics. (Graduate School Representative).
8. Marcia Swanson, 1997-2001, Predoctoral, Epidemiology. Prenatal Infection and Neurodevelopmental Disability in Low Birth Weight Infants. (Member of Dissertation Committee).
9. Jonnae Atkinson, 2000-present, Predoctoral, Epidemiology. Prevalence of Human Herpesvirus 8 in the United States. PhD candidate (Chair of Dissertation Committee).
10. Annette Ghee, 2000-present, Predoctoral, Epidemiology. The relationship between intravaginal practices and bacterial vaginosis among Peruvian sex workers. PhD candidate (Chair of Dissertation Committee).
11. Cuilin Zhang, 2000-2003, Postdoctoral, Epidemiology. Oxidant and Antioxidant Imbalances in Pregnancy. PhD candidate (Chair of Dissertation Committee).
12. Carla Shaw Beyer, 2000-2001, Postdoctoral, Epidemiology. Improving Self-Management & Health Lifestyles in Medicaid and Dual Enrolled People with Diabetes. PhD candidate (Dissertation Committee Member).
13. Carole (Butler) Rudra, 2001-2005, Predoctoral, Epidemiology. Epidemiological study of air pollution in relation to risk of preeclampsia. PhD Candidate (Chair of Dissertation Committee).
14. Ihunnaya O. Frederick, Health Services (Maternal and Child Health) 2003-2008, Predoctoral. Fetal growth and health care utilization during medically complicated pregnancies. PhD Candidate (Chair of Dissertation Committee).
15. Daniel Enquobahrie, 2004-2007, Postdoctoral, Epidemiology. Interaction between oxidative stress and inflammatory pathways in cardiovascular diseases. PhD Candidate (Member of Dissertation Committee).
16. Vitool Lohsoonthorn, 2004-2008, Postdoctoral, Epidemiology. Periodontal disease as a risk factor for preeclampsia and preterm delivery among Thai women. PhD Candidate (Chair of Dissertation Committee).
17. Inbal Boger-Megiddo 2006- 2010, Postdoctoral, Epidemiology. History of maternal pregnancy characteristics, birth weight, and subclinical arterial disease in young adults in the Jerusalem Perinatal Study. PhD Candidate (Member of Dissertation Committee).
18. Dodie Arnold 2007-2010, Pre-doctoral, Epidemiology. Maternal vitamin D status during pregnancy and risk of postpartum depression. PhD candidate (Chair of Dissertation Committee)
19. Jodie Katon 2009-2010, Predoctoral, Epidemiology. The HbA1c, Postpartum Abnormal Glucose Tolerance, and Large for Gestational Age Infants in a Multi-Ethnic Cohort of Gestational Diabetes Patients. PhD Candidate (Member of Dissertation Committee).
20. Megan E. Romano 2010-2012, Predoctoral, Epidemiology. Environmental Determinants of Fetal Growth (Chair of Dissertation Committee).
21. Julian Urta, PhD Candidate, GSAS Harvard (MA Advisor). Physical and mental health status of men and women incarcerated in Columbian prisons.
22. Qiuyue Zhong, 2013-2017, Postdoctoral. Use of natural language processing in electronic medical records to identify pregnant women with suicidal behavior: towards a solution to the complex classification problem. (Dissertation Committee, Chair)
23. Olivia Orta, 2014-2018, Predoctoral. An evaluation of distal hair cortisol concentrations collected at delivery and the association between abuse history in childhood and salivary rhythms of cortisol and DHEA in postmenopausal women (Dissertation Committee, Chair)
24. Laura Dodge 2011-2014, Predoctoral. Environmental agents and reproductive health. Paternal urinary concentrations of parabens and other phenols in relation to reproductive outcomes among couples from a fertility clinic. (Dissertation Committee, Member).
25. Fieby Nassan, 2014-2018, Predoctoral. A crossover-crossback prospective study of dibutyl-phthalate exposure from mesalamine medications and serum reproductive hormones in men. (Dissertation Committee, Member).

26. Farah Qureshi, 2015-2019, Predoctoral. Adverse intergenerational effects of ethnically-divisive social contexts on children's mental health: A prospective cohort study in the Netherlands and Mental health in early childhood and changes in cardiometabolic dysregulation by preadolescence. (Dissertation Committee, Member).
27. Tsega Workalemahu, 2016-2019. Maternal-fetal genetic interactions, imprinting, and risk of placental abruption. Abruptio placentae risk and genetic variations in mitochondrial biogenesis and oxidative phosphorylation: replication of a candidate gene association study. (Dissertation Committee, Member).

### C. Academic Advisor

1. Jonnae Atkinson, 1994-1997, Predoctoral, Department of Epidemiology.
2. Katrina VanValen, 1994-1996, Predoctoral, Department of Epidemiology (Maternal and Child Health Program).
3. Molly Parker, 1996-1998, Predoctoral, Department of Health Services (Maternal and Child Health Program).
4. Gretchen Greer, 1997-1998, Predoctoral, Department of Health Services (Maternal and Child Health Program).
5. Josephine Maundu, 1997-1999, Predoctoral, Department of Epidemiology (International Health Program).
6. Rachel Shapiro, 1998-1999, Predoctoral, Department of Health Services (Maternal and Child Health Program).
7. Patricia Yepassis-Zemgbrou, 1998-2001, Postdoctoral, Department of Epidemiology (International Health Program).
8. Jane Altmore, 1999-2000, Predoctoral, Department of Health Services (Maternal and Child Health Program).
9. Yi (Ray) Ning, 1999-2003, Postdoctoral, Department of Epidemiology.
10. Melissa Schiff, 1999-2001, Postdoctoral, Department of Epidemiology.
11. Carolyn Gardella, 2000-2001, Postdoctoral, Department of Epidemiology
12. Michael Neufeld, 2000-2003, Postdoctoral, Department of Epidemiology (Maternal and Child Health Program).
13. Chun-Fang Qiu, 2000-2002, Postdoctoral, Department of Epidemiology.
14. Dodie Arnold (2005), Predoctoral, Department of Epidemiology.
15. Bizu Gelaye (2006), Predoctoral, Department of Epidemiology.
16. Pamela M. Murnane (2010), Predoctoral, Departments of Epidemiology and Global Health.
17. Archana Shrestha (2010), Predoctoral, Departments of Epidemiology and Global Health.
18. Mary Townsend (2013-), Instructor, Channing, Harvard Medical School.
19. Ann Marie Chang (2012-2014), Instructor, Sleep Medicine, Harvard Medical School.
20. Marie Denis, Post Doc (2013-2014), Statistical Genetics, Department of Epidemiology, Harvard Chan School.
21. Miguel Angel Luque Fernandez (2012-2015), Post Doc, Epidemiologic Methods, Department of Epidemiology, Harvard Chan School.
22. Xiaoli Cheng, Post Doc (2012-2015), Pediatric Epidemiology, Department of Epidemiology, Harvard Chan School.
23. John Jackson, Post Doc (2014-2015), Epidemiology Methods and Causal Inference, Department of Epidemiology, Harvard Chan School.
24. Bizu Gelaye, Research Scientist, (2012-2017) Neuropsychiatric Epidemiology and Perinatal Epidemiology, Department of Epidemiology, Harvard Chan School.

### D. Other Teaching( Research Training Grant Directorship)

1. PI and Director, Minority International Research Training (MIRT) Program (1995 - 1999)
2. PI and Director, Multidisciplinary International Research Training (MIRT) Program (1999 - 2019)\*I was allowed to move this training grant to Harvard in 2011 and to remain as PI until 2019.

3. Director Reproductive, Perinatal and Pediatric Epidemiology Training Grant (2006 - 2011)\*\* *I transferred directorship of the NICHD T32 grant to Dr. Daniel Enquobahrie when I left the University of Washington to assume the role of Department Chair at Harvard.*
4. Co-Director, Maternal and Child Health Training Grant (2015- 2017)\*\*\**Co-Director, Marie McCormick and I transferred Directorship of this HRSA MCHB Training Grant to Professor Henning Tiemier once joined the Harvard University Faculty.*

**E. Faculty Preceptor of Minority/Multidisciplinary International Research Training (MIRT) Program Fellows (Primarily Undergraduate Fellows)**

1. Peggy Arredondo (1995), Undergraduate MIRT Fellow, Western Washington University. Use of Vaginal Drying Agents among Zimbabwean Women.
2. Everett (George) Gardipee (1995), Undergraduate MIRT Fellow, Western Washington University. AIDS Health Education among Rural Zimbabwean Adolescents.
3. Rhonda Payne (1995), Undergraduate MIRT Fellow, Dillard University. AIDS Health Education among Rural Zimbabwean Adolescents.
4. Lisa Taylor (1995), Undergraduate MIRT Fellow, Seattle University. Impact of Economic Structural Adjustment on the Health of Rural Zimbabwean Farmers.
5. Joseph Dumba (1995), Undergraduate MIRT Fellow, University of Washington. Behavioral Risk Factors for HIV sero-conversion among Male Zimbabwean Factory Workers.
6. Laura Longstaff (1995), Undergraduate MIRT Fellow, University of Washington. Risk Factors of Preeclampsia-Eclampsia among Zimbabwean Women.
7. Keisha Daniels (1995), Undergraduate MIRT Fellow, Dillard University. Validation of a Rapid HIV Screening Test.
8. Lily Chan (1996), Undergraduate, Adjunct-MIRT Fellow, University of Washington. Descriptive Epidemiology of Kaposi Sarcoma in Zimbabwe.
9. Kimberly Marks (1996), Undergraduate MIRT Fellow, Dillard University. Prevalence of Congenital Syphilis in Harare, Zimbabwe.
10. Eyob Mazengia (1996), Undergraduate MIRT Fellow, University of Washington. Analysis of Water Quality in Muera, Zimbabwe.
11. Ella McRae (1996), Undergraduate MIRT Fellow, Washington State University. Viral infections in Household Pets in Harare, Zimbabwe.
12. Cheri Moy (1996), Undergraduate MIRT Fellow, Western Washington University. Prevalence of Hepatitis B Infections among Pregnancy Women in Zimbabwe.
13. Alexandra Ruhf (1996), Undergraduate MIRT Fellow, Western Washington University. Descriptive Epidemiology of Breast Cancer in Zimbabwe.
14. Nicole Wagner (1996), Undergraduate MIRT Fellow, Dillard University. Risk Factors for Maternal Syphilis Infection in Harare, Zimbabwe.
15. Jonnae Atkinson (1996), Graduate Student, MIRT Fellow, University of Washington. Dietary Determinants of Preeclampsia-Eclampsia among Zimbabwean Women.
16. Shalini Kulasingam (1996), Graduate Student, MIRT Fellow, University of Washington. Kaposi Sarcoma Herpes Virus Shedding among Zimbabwean Women.
17. Martha Lucas (1997), Undergraduate MIRT, Fellow, University of Washington. Evaluation of Antepartum Syphilis Screening and Treatment of Women Delivering at Harare Maternity Hospital.
18. Milcah Larks (1997), Medical Student, MIRT Fellow, University of Washington. A Case-Control Study of Syphilis and Hepatitis B Virus Infection among Zimbabwean Women Delivering Still Born and Live Born Infants.
19. Latasha Cole (1997), Undergraduate Student, MIRT Fellow, Dillard University. A Cross Sectional Study of Adverse Pregnancy Outcomes among Zimbabwean Women according to their Syphilis Reactivity Status at Delivery.
20. Mohammed Adem (1997 & 1998), Undergraduate MIRT, Fellow, University of Washington. Hepatitis B Infection among Pregnant Zimbabwean Women.
21. Suzie Ware-Jauregui (1997), Medical Student, MIRT Fellow, University of Washington. A Case-Control Study of Risk Factors of Preeclampsia among Peruvian Women.

22. Edward Sekonde (1997), Graduate Student, MIRT Fellow, George Washington University. Costs of Highly Specialized Services in South African Teaching Hospitals (Cape Town).
23. Tessie October (1998) Medical Student, MIRT Fellow, University of Washington. Hepatitis C Virus Infection among Zimbabwean Pregnant Women.
24. Judith Cahero (1998) Graduate Student, MIRT Fellow, University of Washington. Determinants of Prenatal Care Utilization among a Random Sample of Women Delivering at Harare Maternity Hospital.
25. Kim Morrison (1998) Undergraduate Student, MIRT Fellow, Western Washington University. Birth Weight Patterns among a Random Sample of Women Delivering at Harare Maternity Hospital.
26. Arlene Davis (2001) Medical Student, MIRT Fellow. Dietary Intake and Risk of Low Birth Weight in Zimbabwe.
27. Lisa Nguyen (2003) Evaluation of the Efficiency and Impact of Murals in Disseminating Women's Rights in Four Pueblos of Oaxaca, Mexico
28. Katrice Shannon (2003) Evaluation of the Efficiency and Impact of Murals in Disseminating Women's Rights in Four Pueblos of Oaxaca, Mexico
29. Jennifer Mayfield (2003) Evaluation of the Efficiency and Impact of Murals in Disseminating Women's Rights in Four Pueblos of Oaxaca, Mexico
30. April Noble (2004) Preterm Delivery Risk in Relation to Maternal HIV Infection, History of Malaria and Other Infections among Zimbabwean Women
31. Chinyere Ogbonna (2004) Maternal arm circumference and other anthropometric measures of obesity in relation to infant birth weight and Zimbabwean women.
32. Linda Pham (2004) Seroprevalence and risk factors of syphilis infection in pregnant women delivering at Harare Maternity Hospital, Zimbabwe
33. Ribka Ayana (2004) Risk Factors for Preterm Delivery among Zimbabwean Women
34. Kelly Bui (2004) Risk Factor Associated with Term and Preterm LBW in Thai Nguyen, Vietnam.
35. Lisa Nguyen (2004) Comparison of Farming and Non-Farming Mothers in Thai Nguyen, Vietnam.
36. Kathryn Sinclair (2004) A survey of migraine headaches in men, pregnant & non-pregnant women in Lima, Peru.
37. Alvin Garcia (2005) Risk Factors of Lipids, Lipoproteins and Hypercholesterolemia among Thai Men and Women.
38. Denny Le (2005) Risk Factors of Lipids, Lipoproteins and Hypercholesterolemia among Thai Men and Women.
39. Marshala Lee (2005) Risk Factors of Hypertension & Correlates of Blood Pressure and Mean Arterial Pressure among Thai Patients.
40. Laketa Entzminger (2005) Risk Factors of Hypertension & Correlates of Blood Pressure and Mean Arterial Pressure among Thai Patients.
41. Daniel Enquobahrie (2005) Risk factors and severity of coronary arterial disease among emergency cardiology patients.
42. Jason Soh (2005) Cardiovascular Risk Factors and Severity of Coronary Arterial Disease among Emergency Cardiology Patients.
43. Shirley Mori (2005) Gender Based Violence and Placental Abruption.
44. Marc Philpart (2006) Prevalence and Risk Factors of Gender-Based Violence Committed by Male College Students in Awassa, Ethiopia.
45. Dodie Arnold (2006) Prevalence and Risk Factors of Gender Based Violence among Female College Students in Awassa, Ethiopia.
46. Thomas McHale (2006) Iodine Deficiency and Heavy Metal Exposure Surveillance Project.
47. Tenecia Harris (2006) Risk of Preterm Delivery in Relation to Vaginal Bleeding in Early Pregnancy.
48. Rydhwana Hossain (2006) Risk of Preterm Delivery in Relation to Vaginal Bleeding in Early Pregnancy.
49. Stephanie Lin (2006) Risk of Preterm Delivery in Relation to Maternal Low Birth Weight.
50. Barna De (2006) Risk of Preterm Delivery in Relation to Maternal Low Birth Weight .
51. Yasmin Barrios (2006) Peruvian Ministry of Health Chronic Disease Risk Factor Survey (FRENT Study).

52. Ines Gardilic (2006) Perceptions & Impact of Pesticide Exposure on the Health Outcomes, Ecuador.
53. Cherell Dancy (2007) Risk of Dyslipidemia in Relation to Level Of Physical Activity among Thai Professional and Office Workers.
54. Sajithya Perera (2007) Association Between Elevated Liver Enzymes and Metabolic Syndrome Among Thai Adults.
55. Linda Paniagua (2007) Comparison of Waist Circumference, Body Mass Index, Percent Body Fat and Other Measure of Adiposity in Identifying Cardiovascular Disease Risks among Thai Adults.
56. Natividad Chavez (2007) Vaginal Douching and other Risk Factors of Bacterial Vaginosis.
57. Semret Nicodimos (2007) Associations between Witnessing Parental Violence and Experiencing Symptoms of Depression among College Students.
58. Dale Terasaki (2007) The Relationship of Anger Expression, Violent Behavior, and Symptoms of Depression among Male College Students.
59. Nathan Bernal (2007) Attitudes and Perceptions of Gender Based Violence among College Students in Awassa, Ethiopia.
60. Antoinette Dawson (2008) Risk Factors of Preeclampsia Delivery Among Thai Women.
61. Rozanna Fang (2008) Risk Factors of Preeclampsia Delivery Among Thai Women.
62. Marisa Ip (2008) Risk Factors of Preterm Delivery Among Thai Women.
63. Elmera Peyman (2008) Risk Factors of Preterm Delivery Among Thai Women
64. Kailey Nelson (2008) Risk of Preterm Delivery and Preeclampsia in Relation to Maternal Physical Activity Levels Before and During Pregnancy.
65. Jaimee Marsh (2008) Sexual Harassment and Workplace Abuse among College Faculty and Staff in Ethiopia.
66. Sonya Patel (2008) Sexual Harassment and Workplace Abuse among College Faculty and Staff in Ethiopia.
67. Ilya Golovaty (2008) Access to water and toilet facilities in relation to active trachoma infection in Northern Ethiopia.
68. Larissa Jones (2008) Access to water and toilet facilities in relation to active trachoma infection in Northern Ethiopia.
69. Alyssa Vivasa (2009) Knowledge, Attitudes, and Practices (KAP) of Hygiene among School Children in Angolela, Ethiopia.
70. Nam Linh Nguyen (2009) Intestinal Parasitic Infection and Nutritional Status among School Children in Angolela, Ethiopia.
71. Hau D. Do (2009) Prevalence of Insulin Resistance and its Relationship with Cardiovascular Disease Risk Factors Among Thai Adults.
72. Andrew J. Hillman (2009) Association of High Sensitivity C-Reactive Protein Concentrations and Metabolic Syndrome among Thai Adults.
73. Nicole de Paz (2009) Association of Maternal Stress, Depression and Anxiety Disorders with Placental Abruption.
74. Stefanie Czerwinski and Jolana Gollero (2010) Migraine-Asthma Co-Morbidity and Risk of Hypertensive Disorders of Pregnancy.
75. Abinnet Ainalem and Michelle Vo (2010) Body Mass Index and Adult Weight Gain in Reproductive Age Women with Migraine.
76. Ranjodh Dhimi and Wint Wai (2010) Comparison of Waist Circumference, Body Mass Index, and Other Measures of Adiposity in Identifying Cardiovascular Disease Risks among Working East African Adults.
77. Alvin Tran (2010) Prevalence of Metabolic Syndrome with International Diabetes Federation Criteria and ATP III Program Criteria among Working East African Adults.
78. Kaylee Knowles and Laura Paiva (2010) Comparison of Waist Circumference, Body Mass Index, and Other Measures of Adiposity in Identifying Cardiovascular Disease Risks among Peruvian Adults.

*\* I stopped mentoring undergraduates doing field research training when I assumed the role and responsibilities of Epidemiology Department Chair.*

*March 3, 2025*