

CURRICULUM VITAE
Esther K. Chung, MD, MPH

CONTACT INFORMATION

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1. PERSONAL DATA

Place of Birth: Washington, DC, USA

2. EDUCATION

1983 – 1987 B.A., Biochemistry, Columbia College, Columbia University, New York, NY
1985 – 1986 Natural Sciences, Cambridge University, England
1987 – 1991 M.D., Columbia University College of Physicians & Surgeons, New York, NY
1988 – 1991 MPH, General Public Health, Columbia University School of Public Health (now The Mailman School of Public Health), New York, NY
1994 – 1995 Epidemiology, University of Pennsylvania, Center for Clinical Epidemiology & Biostatistics, Philadelphia, PA

3. POSTGRADUATE TRAINING

1991 – 1992 Intern, Pediatrics, The Children's Hospital Medical Center of Northern California (now, UCSF Benioff Children's Hospital Oakland), Oakland, CA
1992 – 1994 Resident, Pediatrics, St. Christopher's Hospital for Children, Philadelphia, PA
1994 – 1996 Fellow, General Academic Pediatrics, The Children's Hospital of Philadelphia, Philadelphia, PA
2007 – 2009 Fellow, (formerly Soros) Physician Advocacy Fellowship, Center on Medicine as a Profession, Columbia University College of Physicians and Surgeons in collaboration with Maternity Care Coalition, Philadelphia, PA

4. FACULTY POSITIONS HELD

1994 – 1996 Instructor, Department of Pediatrics, Division of General Pediatrics, University of Pennsylvania School of Medicine, Philadelphia, PA
1996 – 1999 Clinical Assistant Professor of Pediatrics, Department of Pediatrics, Division of General Pediatrics, University of Pennsylvania School of Medicine, Philadelphia, PA
1996 – 1999 Medical Consultant, Division of Maternal and Child Health, Philadelphia Department of Public Health

1999 – 2001	Assistant Clinical Professor of Pediatrics, Department of Pediatrics, Division of General Pediatrics, University of California at San Francisco (UCSF) School of Medicine, San Francisco, CA
2001 – 2002	9/2001 – 2/2002: relocation from San Francisco to Philadelphia; editing the fourth edition of <i>The 5-Minute Pediatric Consult</i>
2002 – 2006	Assistant Professor of Pediatrics, Clinical Science, Department of Pediatrics, Division of General Pediatrics, Jefferson Medical College, Thomas Jefferson University, Philadelphia, PA
2006 – 2011	Associate Professor of Pediatrics, Clinical and Educational Scholarship, Department of Pediatrics, Division of General Pediatrics, Jefferson Medical College, Thomas Jefferson University, Philadelphia, PA
2011 – 2019	Professor of Pediatrics, Clinical and Educational Scholarship, Department of Pediatrics, Division of General Pediatrics, The Sidney Kimmel (formerly Jefferson) Medical College, Thomas Jefferson University, Philadelphia, PA
2019 – present	Professor of Pediatrics, Clinician Educator, Department of Pediatrics, Division of General Pediatrics, University of Washington School of Medicine, Seattle, WA

5. HOSPITAL POSITIONS HELD

1996 – 1999	Attending Physician, Hospital of the University of Pennsylvania, Philadelphia, PA
1996 – 1999	Attending Physician, The Children’s Hospital of Philadelphia, Philadelphia, PA
1999 – 2001	Attending Physician, University of California at San Francisco Medical Center, San Francisco, CA
2002 – 2019	Attending Physician, Thomas Jefferson University Hospital, Philadelphia, PA
2002 – 2019	Attending Physician, Nemours/A.I. duPont Hospital for Children, Wilmington, DE
2019 – present	Attending Physician, University of Washington School of Medicine, Seattle, WA
2019 – present	Attending Physician, Seattle Children’s Hospital, Seattle, WA

6. CURRENT (NON-UW) EMPLOYMENT

None

7. HONORS

1991	Conrad G. Lattes Fellowship Recipient, Human Rights and Medicine, Malawi, Africa
1995	Best Abstract Presentation Award, Ambulatory Pediatric Association (APA) Region II Annual Meeting
1996	Best Abstract Presentation Award, Eastern Society for Pediatric Research (ESPR)/APA Region II Annual Meeting
1999	Selected for the Rochester Child Health Congress, “future leaders” in maternal and child health
2003	Selected for the Pediatric Leadership Alliance: Leading Change, Pennsylvania Chapter of the American Academy of Pediatrics
2005	Honorable mention, the Nemours Award for Academic Excellence

- 2007 Selected as one of four US physicians for the (formerly Soros) Physician Advocacy Fellowship, Center on Medicine as a Profession, Columbia University College of Physicians and Surgeons
- 2007 Selected for the 2007 Nemours Leadership Conference
- 2008 Invited participant, 2008 Academic Pediatric Association National Leadership Conference in Academic Pediatrics
- 2008 Special Achievement Award, the PA Chapter of the American Academy of Pediatrics (AAP), for advocacy work to promote and support breastfeeding
- 2009 Invited participant, 2009 AAP District III Leadership Conference
- 2009 Physician of the Year Award, the Pennsylvania Resource Organization for Lactation Consultants (PRO-LC)
- 2011 Invited Keynote Speaker for the Philadelphia Physicians for Social Responsibility “Soul of Medicine” Lecture
- 2012 Dean’s Award for Excellence in Education, Jefferson Medical College
- 2016 Physician Excellence Award for Community Service, Nemours
- 2018 Lifetime Teaching Award, Nemours/Alfred I. duPont Hospital for Children and Thomas Jefferson University Residency Program

8. BOARD CERTIFICATION

- 1994 – present Certified, American Board of Pediatrics, General Pediatrics (2000, 2008, 2015 Recertification; MOC cycle completed 2020)
- 1994 – present Pediatric Advanced Life Support
- 1994 – present Basic Life Support

9. CURRENT STATE LICENSE

- 1993 – present State of Pennsylvania License: Number MD-051057-L
- 2001 – 2019 State of Delaware License: Number C1-0006442
- 2018 – present State of Washington License: Number MD 60888490

10. DIVERSITY, EQUITY AND INCLUSION ACTIVITIES

- 2009 – 2018 Director, Advocacy and Community Partnerships, Jefferson/duPont Pediatric Residency Program; based on partnerships with community organization throughout Philadelphia and surrounding areas; included mentoring underrepresented residents and medical students
- 2009 – 2018 Director, JeffSTARS (Jefferson Service Training in Advocacy for Residents and Students), Jefferson Medical College and Nemours; based on partnerships with community organization throughout Philadelphia and surrounding areas; included mentoring underrepresented residents and medical students
- 2019 – present Course Director, Public Health Rwanda: Rwanda Health Promotion – Summer Learning Program
- 2020 – present Anti-Racism Workgroup; Child Welfare, ACEs and SDoH Workgroup, Division of General Pediatrics, UW
- 2020 – present UW-University of Rwanda Student Community Health Research Collaborative

2021 – present UWSOM American Asian Pacific Islander Support Community

11. PROFESSIONAL ORGANIZATIONS

1995 – 2008 Philadelphia Pediatric Society (Member 1995-99 and 2001-08; Board Member 2003-05; Treasurer 2005-08)

1995 – 2014 American Medical Association (1995-98; 2003-05; 2014-15)

1995 – 2016 Philadelphia County Medical Society (1995-98; 2015-16)

1995 – 2016 Pennsylvania Medical Society (1995-98; 2015-16)

1995 – present Academic Pediatric Association (Research Committee 2007-2012; Advocacy Education Special Interest Group 2008-present; Newborn Nursery Special Interest Group 2005 – present, Co-Chair, 2013-2016; Public Policy and Advocacy Committee 2009-present; Educational Scholars Program Faculty Mentor 2010-2013; Member, Task Force on Childhood Poverty, 2012 – present (2013 – 2016: Physician-Patient Working Group, Co-Chair); SIG Exec Comm, Member, 2014-2016; Nominating Committee 2016-2018; Better Outcomes through Research for Newborns, BORN, Network, 2011-present (Research Committee, 2011-2014; Steering Committee, 2018-present); 2020 – elected Board Member/Research Committee Chair

1996 – 2018 Pennsylvania Chapter of the AAP (Member; 1996-99 and 2001-2018)

1996 – present American Academy of Pediatrics (Section Member, Community Pediatrics; Section Member, Young Physicians, 2000-2006; Member, Early Education and Child Care Special Interest Group, 2002-07; Member, Child Care Contact Network, 2000-2015; Member, Pediatric Research in Office Settings Network, 2000-2005; 2016-present; Member, Section on Breastfeeding, 2006-present; Federal Advocacy Action Network, Key Contact, 2007-present; Provisional Section on Obesity 2012-present); Mentorship Program, Mentor, 2020-present; Section on Global Health, 2020-present; Council on Early Childhood

1996 – present American Public Health Association (Section Member, Maternal & Child Health, 1996-present; Breastfeeding Committee Member 2007-present; Section Member, Medical Care, 1998-present; Human Rights Forum, 2020 - present)

1997 – 2002 Academy for Health Services Research and Health Policy

1998 – 2012 Pennsylvania Public Health Association (1998-99; 2002-12)

1999 Asian/Pacific American Health Consortium

1999 – present Immunization Action Coalition

2006 – 2010 Philadelphia Immunization Coalition

2006 – present Docs for Tots

2007 – present Physicians for Social Responsibility

2008 – 2014 Pennsylvania Breastfeeding Coalition

2009 – 2013 Professional Organization of Lactation Consultants, PRO-LC

2009 – 2018 Philadelphia Physicians for Social Responsibility

2009 – present Physicians for Human Rights

2010 – present American Association of Medical Colleges, Member (Group on Student Affairs, 2020-present; Group on Women in Medicine and Science, 2020-present)

2011 – 2013 Delaware Valley Institute for Clinical and Translational Science

2011 – 2014 International Lactation Consultants Association

2018 – present Washington Chapter of the AAP (member; Legislative Committee 2020-present)
 2019 – present Foundation for Health Care Quality, Obstetrical Care Outcome Assessment Program (OB-COAP) Management Committee
 2020 – present Academy of Breastfeeding Medicine
 2020 – present Washington Physicians for Social Responsibility
 2020 – present Statewide Poverty Action Network
 2020 – present Solid Ground

12. TEACHING RESPONSIBILITIES, PAST YEAR

(a) Medical students and Students in other Health Professions

TABLE 1: UW SOM courses taught

Course	Title	Credits	Years	Students	Responsibility
University of Washington					
PEDS 691	Pediatric Sub-Internship, Advance Pediatric Care Clerkship	8	2019 – present	Up to 4 students per 4-week rotation, monthly, throughout the year	Course director - Orientation, evaluation, assignment grading, coordination with clinical team
	Foundations Phase		2019 – present		Pediatric consultant to optimize pediatric skills and education Preceptor - Objective structured clinical examination (OSCE)
All APCs at UW across disciplines	Advanced Patient Care Clerkships for UW		2019 – present		Director as of 1/1/2020; Co-Director 8/1/2019 – 12/31/19. Committee meetings, approval of new and revised APCs, meeting with APC Department Directors
PEDS 612, 624, 625, 635, 636,	Advanced Patient Care		2019 – present		Associate Director;

669, 671, 677, 678, 685, 689, 690, 691, 692, 693	Clerkships in Pediatrics at UW				Oversight of APC rotations in the WWAMI region, working with site directors, assisting with educational needs of students
PEDS 665	Pediatric Clerkship	12	2019 – present	One student in the Newborn Nursery monthly; one student in the Pediatric Care Center	Supervising attending in the UWMC Newborn Nursery 11 weeks/year; supervising attending in pediatric clinic one half-day per week
EPI 583	Epi Seminar Series		2019	70 MPH, MS, and PhD students in the Dept of Epidemiology	Seminar on the interplay of policies, science and health behavior related to perinatal marijuana use
Lifecycle	Lactation & Newborn Small Group Cases Newborn lecture		2019 – present 2020	10 medical students in the Foundations Phase Entire class in WWAMI	Small group session preceptor Online regional lecture
Epi 499 – in-person course cancelled in 2020 and 2021 due to the current COVID-19 pandemic	Community Health in Rwanda: Health Promotion and Research Approaches	6	2020 Summer Term B 2021 – Virtual Course Summer Term B	10 UW undergraduate students preparing for health professions	Course Director

(b) Pediatric Residents

TABLE 2: Pediatric resident teaching responsibilities

University of Washington Pediatric Residency Training Program – Seattle Children’s Hospital	
2019 – present	Pediatric Care Center at UWMC-Roosevelt; Continuity clinic preceptor; every Wednesday afternoon and other sessions; 0.15 FTE; 7 total assigned residents with 4 on any given session (PGY 1-3)

2019 – present	UWMC; Newborn Nursery attending; supervise residents doing clinical rotations in the Newborn Nursery; 0.35 FTE
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(c) Subspecialty Fellows

None

(d) Other Venues

None

(e) Mentoring

TABLE 1: Resident Mentoring Responsibilities (past 5 years)

2016	Michael Maguire, MD, MPH Access to dental services and transition of care for patients with complex medical problems living in Delaware
2017	Scott Holmes, DO Health services and needs assessment for homeless youth in Philadelphia
2018	Maritza Harper, MD Knowledge, attitudes, and practices related to perinatal marijuana use Mentored 2 nd -year Medicine-Pediatrics resident at ChristianaCare in planning a research project and writing a Young Investigator Award application
2020 – present	Nassr Nama, MD, MSc PGY-4 BC Children’s Hospital, University of British Columbia, Canada AAP Mentorship Program

TABLE 2: Graduate Student and Junior Faculty Mentoring Responsibilities

2016 – present	Neera Goyal, MD Receipt of well-child care among children of mothers treated for opioid use disorder. As her faculty mentor, I participated in a formal mentoring program at Nemours and attended seminar/learning sessions; monthly meetings to discuss career development and research areas of expertise and timelines; mentored her in-person and remotely to become the Newborn Nursery Director, a position that I vacated upon my relocation to Seattle. We collaborate on a couple of projects, and serve on the BORN Steering Committee together. I continue to mentor her when questions arise.
2018 – present	Amanda Micucio, DO Teaching medical students and residents advocacy skills using the JeffSTARS curriculum. I mentored her in-person and remotely to become the JeffSTARS Director, a position that I vacated upon my relocation to Seattle. I included her in a COMSEP proposal and mentored her in preparing IRB paperwork for this project. I continue to mentor her by including her in workshop activities related to advocacy.

2018 – present	Zachary Fusfeld PhD candidate in public health at Drexel University; former research assistant; ongoing research.
2016 – present	Hannah Crowley MD candidate at Thomas Jefferson University; project advisor; ongoing research
10/29/2019	Seattle Children’s Hospital - Junior Faculty Mentoring Program Invited to lead a small group discussion on medical student mentoring
2020 – present	8 UW undergraduate students and 10 UR medical students via the UW-University of Rwanda Student Community Research Collaborative
2021 summer	Sonja France, rising 2 nd -year medical student, UW; research related to marijuana use and breastfeeding

13. EDITORIAL RESPONSIBILITIES

1997 – 2013	Associate Editor, <i>The 5-Minute Pediatric Consult</i> , 1 st through 6 th editions, Lippincott Williams & Wilkins, Inc.
2000	Reviewer, “Medication Administration in Children” (Chapter 2) in <i>Handbook of Pediatric Drug Therapy, 2E</i> , Springhouse Corporation, Springhouse
2001 – 2003	Editorial Board, <i>Pediatric Case Reviews</i>
2006 – 2017	Editor-in-Chief, <i>Visual Diagnosis (and Treatment) in Pediatrics</i> , 1 st through 3 rd editions, Wolters Kluwer – Lippincott Williams & Wilkins, Inc.
2012 – 2018	Editorial Board, <i>Academic Pediatrics</i>
2018 – present	Editorial Board, <i>AAP Grand Rounds</i>

14. SPECIAL NATIONAL RESPONSIBILITIES

2003	Predocctoral Training Grant in Primary Care Bureau of Health Professions, Department of Health and Human Services, Grant Review Committee
2006	Evaluation of Breastfeeding Promotion and Support Programs, the Centers for Disease Control and Prevention, Peer Review Panel
2006 – 2008	Academic Pediatric Association (APA) – Health Care Delivery Award Committee
2012 – 2013	APA Young Investigator Grant Review Panel
2012 – 2017	APA Taskforce on Childhood Poverty
2013 – 2016	APA Taskforce on Childhood Poverty Physician-Patient Work Group, Co-Chair
2011 – 2014	APA Better Outcomes through Research for Newborns (BORN) – Research Committee
2018 – present	APA Better Outcomes through Research for Newborns (BORN) – Steering Committee
2021 – present	APA Board Member/Research Committee Chair (elected position)
2004 – present	Pediatric Academic Societies Annual Meeting, Abstract reviewer
2011 – present	Pediatric Academic Societies Annual Meeting, Workshop reviewer
2012 – present	Pediatric Academic Societies Annual Meeting, Session moderator for one to three sessions annually
2019 – 2020	Association of American Medical Colleges Learn Serve Lead 2020 meeting, abstract reviewer

2019 – present Council on Medical Student Education in Pediatrics (COMSEP), member; research on annual member survey, 2020-present

15. SPECIAL LOCAL RESPONSIBILITIES

1996 – 1999 Medical Consultant, Division of Maternal and Child Health, Philadelphia Dept. of Public Health

1996 – 1999 Children’s Health Coalition Subcommittee on Substitute Care, University of Pennsylvania and The Children’s Hospital of Philadelphia

1996 – 1999 Children in Foster Care Medical Database Committee, Chair University of Pennsylvania and The Children’s Hospital of Philadelphia

1998 – 1999 Children with Special Health Care Needs Steering Committee, University of Pennsylvania and The Children’s Hospital of Philadelphia

1998 – 1999 KIDS Immunization Registry Advisory Committee, University of Pennsylvania and The Children’s Hospital of Philadelphia

1999 Bridging the Gaps, Faculty Preceptor University of Pennsylvania and The Children’s Hospital of Philadelphia

2000 – 2001 San Francisco Immunization Coalition African American Focus Group Task Force, Chair, University of San Francisco at California

2001 Children with Special Health Care Needs Community Activity Grant Review Committee, Early Childhood, Youth and Women’s Health, Philadelphia Dept. of Public Health

2002 Region II APA Young Investigator Award, Grant Review Committee

2002 – 2005 KIDS Immunization Registry Advisory Committee, Philadelphia Dept of Public Health

2002 – 2005 Institutional Review Board Committee, member, Thomas Jefferson University and the Alfred I. duPont Hospital for Children/Nemours

2002 – 2008 Regional Education Coordinator, Educating Physicians in their Communities (EPIC), Immunization Education Program, Pennsylvania Chapter of the American Academy of Pediatrics

2003 – 2005 Philadelphia Pediatric Society, Board Member

2004 Infant and Youth Fatality Review Team Advisory Panel, Philadelphia Department of Public Health and the Department of Human Services

2005 – 2008 Philadelphia Pediatric Society, Treasurer

2005 – 2008 Bridging the Gaps, Faculty Preceptor, Thomas Jefferson University and the Alfred I. duPont Hospital for Children/Nemours

2005 – 2008 Cribs for Kids Advisory Board, Maternity Care Coalition

2007 – 2009 Breastfeeding Advisory Committee, Chair, Thomas Jefferson University and the Alfred I. duPont Hospital for Children/Nemours

2007 – 2012 Jefferson Medical College Students Hawaii and Native American Club, Faculty Mentor

2008 – 2018 Program Development Team and Regional Education Coordinator, EPIC, Breastfeeding and Tobacco Cessation

2008 – 2018 Baby Friendly Hospital Taskforce, Thomas Jefferson University

2009 – 2013 Advisory Committee for Nemours Health System Research and Scholarly Activity

2010 – 2013 Outcomes and Health Services Research Steering Team, Nemours

- 2010 – 2018 Obstetric-Pediatrics (OB) Affairs meeting, Thomas Jefferson University Hospital
- 2010 – 2018 Medical Director, Newborn Nursery, Thomas Jefferson University Hospital
- 2010 – 2018 Chair, Institutional Review Board Committee, Thomas Jefferson University
- 2011 – 2014 Student Advisory Committee on Professionalism, Thomas Jefferson University
- 2011 – 2016 Secretary 2014-16; Member 2011-14; Professorial Faculty Advisory Committee to the Dean of the Sidney Kimmel Medical College, Thomas Jefferson University
- 2011 – 2018 Regional Education Coordinator, EPIC, Childhood Obesity Prevention, Pennsylvania Chapter of the American Academy of Pediatrics
- 2012 – 2018 Board Member, served two terms, Pennsylvania Chapter of the American Academy of Pediatrics
- 2011 – 2018 Philadelphia Multi-Hospital Breastfeeding Task Force
- 2012 The Philadelphia Breastfeeding Promotion MotherBaby Summit, Participant
- 2012 – 2018 The Philadelphia Adverse Childhood Experiences Taskforce, Practical Interventions Workgroup Co-Chair
- 2014 – 2018 Resident Clinical Competency Committee, Jefferson/Nemours Pediatric Residency Program
- 2015 – 2016 Health Innovation in Pennsylvania, Population Health Work Group, PA Dept. of Health and Governor’s Office
- 2015 – 2018 Fetal and Infant Mortality Review Board, Philadelphia Dept. of Public Health
- 2016 – 2017 Philadelphia Physicians for Social Responsibility, Advisory Council
- 2016 – 2018 Advisory Committee, Health Systems Sciences, JeffMD Curriculum, Thomas Jefferson U.
- 2016 – 2018 Childhood Poverty Working Group, Community Engagement Office, Philadelphia Mayor’s Office
- 2016 – 2019 Global Brigade Chapter, Faculty Advisor, Thomas Jefferson University
- 2017 Research Subcommittee for the Albert Einstein Society, Reviewer, Einstein Medical Center
- 2017 – 2018 Population Health Leadership Group, JeffMD Curriculum, Thomas Jefferson University
- 2016 – 2018 Global Health Initiative Committee, Thomas Jefferson University
- 2018 – present NIH Grant Data Safety Monitoring Board Chair, Individual Breastfeeding Support with Contingent Incentives among Low-income Mothers. PI: Yukiko Washio, PhD, BCBA-D. R01HD094877-01
- 2019 – present Director, Advanced Patient Care Clerkships, UW SOM (Former Co-Director: 8-12/2019)
- 2019 – present Associate Director, Advanced Patient Care Clerkships in Pediatrics, SCH
- 2019 Interim GME representative member, 4 months , Quality and Safety Committee, SCH
- 2019 Interviewer, UW Pediatric Residency Program, Seattle Children’s Hospital, Seattle, WA
- 2019 – 2020 Abstract reviewer, Western Group on Educational Affairs Spring Meeting, AAMC, Cedar Grove, CA
- 2019 – present Voting member, Explore and Focus Committee, UW SOM (Academic Co-Chair, 2020-present)
- 2019 – present Guest member, Foundations Committee, UW SOM
- 2019 – present Guest member, Block, Theme and Thread Member, UW SOM

2019 – present Guest member, Patient Care Phase Committee, UW SOM
2019 – present Member, The Center for Leadership and Innovation in Medical Education (CLIME), UW SOM
2019 – present Member/Interviewer, Admissions Committee, UW SOM
2020 – present Voting member, Clinical Skills Steering Committee, UW SOM
2020 – present Workgroup member of 1) Anti-Racism group; 2) Child Welfare, ACEs, and SDoH group; 3) Primary Care Transformation

16. RESEARCH FUNDING

Active Funding

Global Innovation Fund Grant 2019-present
UW Global Innovation Fund \$10,980 total costs
Rwanda Health Promotion: Summer Learning Program
Planning funds to develop and support a new UW study abroad program and course for Summer Term B in collaboration with the University of Rwanda School of Medicine
Role: PI, Director

Pending Funding

None

Completed Funding

Community Access To Child Health (CATCH) Planning Grant Funds 1998
American Academy of Pediatrics \$10,000 total costs
Developing a computerized medical database for children in out-of-home care in Philadelphia
Planning funds to develop a computerized medical database for children in out-of-home care in Philadelphia.
Role: PI, departmentally supported effort

Mount Zion Health Fund Grant 2000-2001
Mount Zion Health Fund \$30,000 total costs
Immunizations and African American Children: What Do Caregivers Say?
Funds to conduct focus group meetings with guardians of African American children to assess barriers to immunizations in an effort to better understand racial disparities in immunization rates in San Francisco
Role: PI, departmentally supported effort

Research Evaluation and Allocation Committee (REAC) Grant, UCSF 2000-2001
Trevey Medical Research Fund, UCSF \$9,860 total costs
Factors Associated with the Prone Sleeping Position for Infants Living in California
Funds to determine the sociodemographic factors, and the maternal health attitudes, behaviors, and use of services that are associated with following the recommended guidelines for infant sleep position in the state of California.

Role: PI, departmentally supported effort

TS-0561 4/12/04 – 9/30/05
ATPM/CDC \$11,750 total cost

Microbial and Immune Parameters Associated with Prematurity

The aim of this study is to assess the moderating role of host mucosal immunity and microbial hydrolytic enzymatic activity on the relationship between BV and preterm birth in human pregnancy.

Role: Co-I, 10% effort; with Dr. Jennifer Culhane, Drexel University, as PI

TS 312-15/15 Culhane (PI) 4/12/04 – 9/30/05
ATPM/CDC \$11,750 total cost

Biologic Pathways Linking Stress BV and Preterm Birth

This study is designed to test the hypothesis that maternal stress is associated with vaginal infection through the dysregulation of the maternal-placental-fetal endocrine and immune parameters.

Role: Co-I, 10% effort; with Dr. Jennifer Culhane, Drexel University, as PI

Pennsylvania State Dept. of Health Center of Excellence for Research 6/01/04- 8/31/09
on Pregnancy Outcomes RFA (02-07-20) \$24,870 annual direct costs

The Philadelphia Collaborative Preterm Prevention Project

This project is a large prospective randomized trial aimed at reducing repeat preterm births in Philadelphia women who experience a preterm birth at < 34 weeks gestational age. By targeting a wide variety of risk factors for preterm birth, including identification and treatment of infections, smoking, stress, depression, and abnormal weight (too high or too low) and by delaying repeat pregnancy, we believe we can reduce the repeat preterm birth rate.

Role: Co-I, 10% effort; with Dr. Jennifer Culhane, Drexel University, as PI

Lectureship Grant Award, Section on Breastfeeding 2007
American Academy of Pediatrics \$1,000 total costs

Funds to support **breastfeeding panel event**, held jointly by the Philadelphia Pediatric Society and the PA AAP to educate physicians and other health professionals in the Philadelphia metropolitan area.

Role: Principal author and leader

Community Pediatrics Training Initiative Advocacy Training Grant 2008
American Academy of Pediatrics \$1,000 total costs

Funds to support attendance at the **2008 AAP Legislative Conference**; selected as one of six resident-faculty pairs nationally (along with resident, Dr. Daniel Walmsley, in collaboration with the PA AAP) to advocate for gun violence prevention by training residents and community members.

Role: Faculty mentor

(No grant number) 2008
Office of Women's Health, DHHS \$24,870 total costs

Contract for the PA Breastfeeding-Friendly Workplace Collaborative

Funds for a statewide effort to recognize, award and increase the number of businesses with lactation support programs.

Role: Principal author and leader

Physician Advocacy Fellowship, Center for Medicine as a Profession 2007-2009
Columbia University, P&S \$74,778 annual costs

Breastfeeding: Turning Disadvantage into New Opportunities for Change

Funds to support work related to reducing barriers to breastfeeding, particularly for low-income women, and to improving breastfeeding policies in workplaces and health care systems in Southeastern PA; work done in partnership with Maternity Care Coalition, a local non-profit organization. http://www.imapny.org/fellows/fellows_show.htm?doc_id=484231.

Role: PI; 50% effort

CATCH and CPTI Residency Training Funds Grant 2009-2010
Resident Advocacy Training Initiative, AAP \$11,415 total costs

The Jeff/duPont STARS (Service Training in Advocacy for Residents and Students) Program

To increase community partnerships and advocacy efforts in our training program, focusing on four priority areas: children living in poverty, environmental tobacco smoke, violence prevention, and breastfeeding.

Role: PI; departmentally support effort

CMAV Advocacy Educational Grant 2009-2012
Columbia University IMAP \$25,000 annual costs

The Jeff/duPont STARS (Service Training in Advocacy for Residents and Students) Program

To increase community partnerships and advocacy efforts in our training program, focusing on four priority areas: children living in poverty, environmental tobacco smoke, violence prevention, and breastfeeding.

Role: PI, 10% effort

HHS-2012-ACF-ACYF-CB-0286 10/1/2012- 2/31/2017
DHHS Administration for Children and Families \$1.7 million total costs

Practicing Safety to Enhance Parenting, Child Development and Support of Family Unity

To utilize an integrated intervention to improve parenting in a population of pregnant and parenting women with substance use disorders.

Role: Co-I, 10% effort; with Dr. Diane Abatemarco, Thomas Jefferson University, as PI

(no grant number) 2014-2015
DHHS Interdisciplinary Joint Degree grant \$1,500,000 total cost

College within a College – Population Health.

To provide outstanding training in primary care and innovative education in chronic care management and population and public health in order to prepare primary care leaders to serve as future change agents working to improve the health of Americans, especially America's most vulnerable and underserved populations.

Role: Faculty, 10% effort as Key Personnel, with Dr. James Plumb, Thomas Jefferson University, as PI.

1 R21 HD080768-01A1 6/1/2015-5/31/2016
NIH \$44,710 annual direct costs

An evaluation of a novel technology to assess neonatal jaundice

To assess the effectiveness of a novel technology, based on analysis of digital images obtaining using a smartphone app, in predicting serum bilirubin levels in newborn infants in outpatient settings.
Role: Co-I, 10% effort; with Dr. James Taylor, University of Washington, as PI

1 R44 HD090778-01 1/1/2017-12/31/2017
NIH \$55,947 annual direct costs

Validating BiliCam for FDA clearance

To conduct the studies needed to support an application for FDA clearance for the BiliCam smartphone app technology

Role: Co-I, 15% effort; with Dr. James Taylor, University of Washington as PI

(No grant number) 02/1/2018 – 03/31/2018
BiliCam, LLC \$20,329 total costs

BiliCam and use of the iPhone 7 platform exploratory phase

To test the BiliCam app using an iPhone 7 smartphone and to assess the generalizability and versatility of BiliCam on a newer platform.

Role: Co-I, 15% effort; with Dr. James Taylor, University of Washington as PI

(No grant number) 04/01/2018 – 03/31/2019
BiliCam, LL \$88,775 annual direct costs

BiliCam exploratory data collection

To collect data on iPhone 7 (or later models) for development of an algorithm that can be generalizable to multiple models of smartphones.

Role: Co-I, 15% effort; with Dr. James Taylor, University of Washington and BiliCam, LLC, as PI

17. BIBLIOGRAPHY

(a) Peer-Reviewed Publications

1. Kim SC, **Chung EK**, Hodinka RL, DeMaio J, West DJ, Jawad AF, and Watson B. Immunogenicity of hepatitis B vaccine in preterm infants. *Pediatrics*. 1997;99(4):534-6. PMID: 9093293.
2. **Chung EK**, Casey R, Pinto-Martin JA, Pawlowski NA, and Bell LM. Routine and influenza vaccination rates in children with asthma. *Ann Allergy Asthma Immunol*. 1998;80(4):318-22. PMID 9564981.
3. **Chung EK**, Webb D, Clampet-Lundquist S, and Campbell C: A comparison of elevated blood lead levels among children living in foster care, their siblings, and the general population. *Pediatrics*. 2001;107(5):E81. PMID: 11331731.
4. **Chung EK**, Hung Y, Marchi K, Chavez G, and Braveman P. Infant sleep position: associated maternal and infant factors. *Ambul Pediatr*. 2003;3(5):234-9. PMID: 12974664.

5. **Chung EK**, McCollum KF, Elo IT, Lee HJ, and Culhane JF. Maternal depressive symptoms and infant health practices among low-income women. *Pediatrics*. 2004;113(6):e523-529. PMID: 15173532.
6. Lee HJ, Rubio MR, Elo IT, McCollum KF, **Chung EK**, Culhane JF. Factors associated with intention to breastfeed among low-income, inner-city pregnant women. *Matern Child Health J*. 2005;9(3):1-9. PMID: 16283532.
7. **Chung EK**, McCollum KF, Elo IT, Culhane JF. Does prenatal care at community-based centers result in infant primary care at these sites? *Ambul Pediatr*. 2006;6(1):25-31. PMID: 16443180.
8. Castrucci BC, Culhane J, **Chung EK**, Bennett I, McCollum KF. Smoking in pregnancy: patient and provider risk reduction behavior. *J Health Manag Pract*. 2006;12(1):68-76. PMID: 16340518.
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(e) Published Books, Videos, Software

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35. **Chung EK**. Child obesity: what's good for the goose is good for the gosling. *AAP Grand Rounds*. 2018;40(5):59.
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49. **Chung EK**. Effect of delayed cord clamping on maternal hemoglobin levels. AAP Grand Rounds. 2020;43(3):28.
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52. Cabotaje A (**Chung EK** – interviewed and quoted for article). Is your child overweight? Here's how to help. Right as Rain by UW Medicine. April 20, 2020
<https://rightasrain.uwmedicine.org/life/parenthood/child-obesity>
53. **Chung EK**. Children with fever without a source: use of blood pcr testing. AAP Grand Rounds. 2020;43(5):53.
54. **Chung EK**. Breastfeeding, skin-to-skin care, and sudden infant death. AAP Grand Rounds. 2020;43(6):64.
55. **Chung EK**. Can bronchiolitis ultrasound score predict hospital admission? AAP Grand Rounds. 2020;44(2):9.
56. **Chung EK**. Health services use of low-income youths who died by suicide. AAP Grand Rounds. 2020;44(2):17.
57. Ibarra R (**Chung EK** – interviewed and quoted). Breastfeeding Rates Reflect Health Disparities, But You Can Help. InHouse. Seattle Children's Hospital. August 10, 2020.
58. **Chung EK**. Young infants and hypothermia: risk of bacterial infection. AAP Grand Rounds. 2020;44(3):34.
59. **Chung EK**. Occult spinal dysraphism and cutaneous stigmata: when to worry. AAP Grand Rounds. 2020;44(4):39.

60. **Chung EK.** Complementary food introduction: practitioner variation. AAP Grand Rounds. 2020;44(6):66.
61. **Chung EK.** Routine vaccinations in preterm infants. AAP Grand Rounds. 2021;45(1):3.
62. **Chung EK.** The red reflex test: accuracy in detecting ocular pathology. AAP Grand Rounds 2021;45(2):20.
63. Prinsing M. (**Chung EK** – quoted for article). Should you get the COVID-19 vaccine if you're pregnant? Right as Rain by UW Medicine. March 8, 2021.
<https://rightasrain.uwmedicine.org/well/prevention/COVID-19-vaccine-pregnancy>
64. **Chung EK** and Enquobahrie DA. Invited Commentary on the article: Koneru A et al. National Perinatal Hepatitis B Prevention Program: 2009-2017. Pediatrics 2021;147(3):e20201823.
Perinatal hepatitis B prevention: eliminating disease and disparity. Pediatrics. 2021;147(3):e202003754.

(g) Submitted Manuscripts

1. **Chung EK**, Painter I, Sitcov K, Souter V. Exclusive breastfeeding in the Northwest: disparities related to race/ethnicity and substance use. Under review.

(h) Abstracts (last five years only)

1. Taylor JA, Stout JW, de Grief L, Goel M, Patel S, **Chung EK**, Koduri A, McMahon S, Dickerson J, Simpson EA, Larson EC. Development of an algorithm to convert digital image data into an estimate of bilirubin using a smartphone app. Pediatric Academic Societies Meeting, Baltimore, MD; April 30-May 3, 2016 . Platform presentation. Presenting author: Taylor JA.
2. **Chung EK**, Brumbley M, Hand D, Short V, Gubernick R, Abatamarco D. Receipt of prenatal care and well-child care among drug-dependent women and their young children. 2016 Nemours Summer Undergraduate Research Program/Health Equity Summer Scholar Program, Wilmington, DE; August 10, 2016. Poster presentation. Presenting author: Brumbley M. Region II and III Academic Pediatric Association meeting, New York, NY; March 24, 2017. Poster presentation. Presenting author: **Chung EK**. Pediatric Academic Societies meeting, San Francisco, CA; May 6-9, 2017. Platform presentation. Presenting author: **Chung EK**.
3. Cohen S, McNerny M, **Chung EK**. The role of future pediatricians in advocating for appropriate medical accommodations at public schools. Region II and III Academic Pediatric Association meeting, New York, NY; March 24, 2017. Poster presentation. Presenting author: Cohen S; Pediatric Academic Societies meeting, Advocacy Training Special Interest Group, San Francisco, CA; May 6-9, 2017. Poster presentation. Presenting author: Cohen S.

4. **Chung EK**, Powell R, Taylor JA. Research on detecting jaundice in the first week: barriers to study completion. Pediatric Academic Societies meeting, San Francisco, CA; May 6-9, 2017. Poster presentation. Presenting author: **Chung EK**.
5. Ru G, Namburdiri J, **Chung EK**. Maximizing the potential of Philadelphia's refugee children through Early Head Start partnerships. Pediatric Academic Societies Advocacy Training Special Interest Group, San Francisco, CA; May 6-9, 2017. Platform presentation. Presenting author: Ru G.
6. Fitzsimmons EA, **Chung EK**. Depressive symptoms among new mothers: screening for adverse childhood experiences. Pennsylvania Office of Rural Health's 2018 Community and Public Health Conference in Lancaster, PA; March 2018. Poster presentation. Presenting author: Fitzsimmons EA. Academic Pediatric Societies Region II & III Annual meeting, New York, NY. March 23, 2018; Poster presentation. Presenting author: Fitzsimmons EA. Pediatric Academic Societies meeting, Toronto, Canada; May 5-8, 2018. Poster presentation. Presenting author: **Chung EK**.
7. Sadeghi S, Fitzsimmons EA, **Chung, EK**. Adverse childhood experiences, depressive symptoms, and grit among new mothers. Academic Pediatric Societies Region II & III Annual meeting, New York, NY. March 7, 2019; Poster presentation. Presenting author: Sadeghi S.
8. Fusfeld Z, Goyal N, **Chung EK**. Predicting participant dropout in research with healthy newborns. Pediatric Academic Societies Annual Meeting, Philadelphia, PA. May 5, 2020; Poster presentation. Presenting author: Fusfeld Z. Meeting unexpectedly cancelled due to the COVID-19 pandemic.
9. Crowley H, Panchani M, Goyal N, **Chung EK**. Marijuana and breastfeeding: knowledge, attitudes and practices. Pediatric Academic Societies Annual Meeting, Philadelphia, PA. May 2, 2020; Poster presentation. Presenting author: Crowley H. Meeting unexpectedly cancelled due to the COVID-19 pandemic.
10. Chung EK, Painter I, Sitcov K, Souter V. Disparities in exclusive breastfeeding rates in the Northwest: maternal race/ethnicity and substance use. Pediatric Academic Societies Annual Meeting, Philadelphia, PA. May 2, 2020; Platform presentation. Presenting author: **Chung EK**. Meeting unexpectedly cancelled due to the COVID-19 pandemic. American Public Health Association Annual Meeting, virtual meeting, October 28, 2020; Platform presentation. Presenting author: **Chung EK**.

18. INVITED TALKS

(a) National/International

- 05/06/2008 Invited workshop leader: Pediatric Academic Societies Annual Meeting, Honolulu, HI. Presentation title: "Making *House* Calls: Crafting an Effective Message to Influence Policy and Opinion"

- 05/05/2009 Invited workshop co-leader: Pediatric Academic Societies Annual Meeting, Baltimore, MD. Presentation title: “Making *House* Calls: Crafting an Effective Message to Influence Policy and Opinion”
- 05/03/2010 Invited workshop co-leader: Pediatric Academic Societies Annual Meeting, Vancouver, BC. Presentation title: “Funding Pediatric Advocacy Careers: Foundations, Fellowships and Forming Partnerships”
- 05/03/2011 Invited workshop Co-Leader, Pediatric Academic Societies Annual Meeting, Denver, CO. Presentation title: “Since When Did You Not Have an Opinion? Bringing Clinical and Research Insights to Policy and Policy Makers”
- 11/19/2010 Invited speaker: 2010 Physician Advocacy Conference, IMAP, Columbia University, New York, NY. Presentation title: “JeffSTARS: One Student, One Resident, One Step toward Change”
- 07/15-17/2011 Invited speaker: Plenary Session and two Lectures, International Lactation Consultant Association (ILCA) Annual Meeting, San Diego, CA. Presentation titles, respectively: “Raising the Bar While Leveling the Playing Field: Perspectives from a Physician Advocate” and “Breastfeeding Advocacy: Taking Action to Change Policies” and “Good Doctors, Bad Choices: Helping Physicians to Support Breastfeeding”
- 08/01/2012 Invited speaker: Pediatric Grand Rounds and Noon Conference, LeBonheur Children’s Hospital and MALCA (Memphis Area Lactation Consultants Association), Memphis, TN. Presentation titles, respectively: "World Breastfeeding Week: Turning Good Doctors into Great Advocates" and "Hospitals and Breastfeeding: Cultural Change through Team Building,"
- 04/28/2015 Invited Hot Topics Session and presentation, Pediatric Academic Societies Meeting, San Diego, CA. Session title: “Marijuana and Children: The Conflict between Free Access and Health.” Presentation title: “Breastfeeding and Marijuana Use: A Cautionary Tale”
- 11/10/2015 Invited speaker: Pediatric Grand Rounds, Baystate Children’s Hospital, Springfield, MA. Presentation title: “Breastfeeding and Marijuana Use: Real Considerations for our Changing Times”
- 05/09/2019 Invited speaker: The 16th Annual Neonatal Nursing Symposium, The Children’s Hospital of Philadelphia, Philadelphia, PA. Keynote presentation: “Marijuana Use and Breastfeeding: Does the Precautionary Principle Apply?”
- 02/19/2020 Invited speaker: Public Lecture, University of Rwanda School of Medicine, Huye, Rwanda. “Innovative Methods for Training Medical Students and Residents”
- 08/03/2020 Invited speaker: Interprofessional Grand Rounds on Breast Feeding at Pennsylvania Hospital, Philadelphia, PA. Presentation title: “Breastfeeding Disparities: Identifying Your Sphere of Influence.”
- 04/30/2021 Invited speaker: Better Outcomes through Research for Newborns (BORN) Annual Meeting, virtual. Presentation title: “Preliminary Results from the Marijuana and Breastfeeding Directors’ Survey”
- 05/02/2021 Invited speaker: Pediatric Academic Societies Annual Meeting, Trainee Zone, virtual. Faculty “Office Hours” via Zoom and a pre-recorded session on “General Academic Pediatrics: Integrating Advocacy and Public Health”

- 05/07/2021 Invited speaker: Crozer Chester Hospital Pediatrics, Advocacy Day, Chester, PA. Presentation title: "Healthcare through a Health Equity Lens: A Focus on Child Policies"
- (b) Regional
- 12/19/1997 Invited speaker: Child Welfare Advisory Subcommittee on Health Policy, Philadelphia, PA. Presentation title: "The Health Status of Children in Substitute Care"
- 01/28/1998 Invited speaker: Academic Pediatric Association Region II Meeting, Wilmington, Delaware. Presentation title: "Foster Care: The Philadelphia Experience"
- 05/12/1998 Invited speaker: Childhood Lead Poisoning Prevention Program Provider Meeting, Philadelphia, PA. Presentation title: "Children in Foster Care and Their Risk of Lead Poisoning"
- 01/27/1999 Invited speaker: Academic Pediatric Association Region II Meeting, Philadelphia, PA. Presentation title: "Public Health and Pediatrics: Creating the Link"
- 06/19/2001 Invited speaker: Pediatric Grand Rounds, San Francisco General Hospital, San Francisco, CA. Presentation title: "Health Care Delivery to Children in Foster Care"
- 08/02/2001 Invited speaker: Pediatric Grand Rounds, University of California, San Francisco, California. Presentation title: "Health Care Delivery to Children in Foster Care"
- 09/19/2003 Invited speaker: The Jefferson Pediatrics Society, Philadelphia, PA. Presentation title: "The Life in the Day of a Pediatrician"
- 10/08/2004 Invited speaker: The Jefferson Pediatrics Society, Philadelphia, PA. Presentation title: "The Life in the Day of a Pediatrician"
- 12/07/2004 Invited speaker: Pediatric Grand Rounds, Christiana Hospital, Delaware. Presentation title: "Maternal Depression and Its Effects on Child Health"
- 03/03/2005 Invited speaker: Future Docs Program, Office of Diversity and Minority Affairs, Jefferson Medical College, Philadelphia, PA. Presentation title: "Pediatrics: The Joy of Caring for Children"
- 12/14/2005 Invited speaker: Pediatric Grand Rounds, Thomas Jefferson University and Alfred I. duPont Hospital for Children, Philadelphia, PA and Delaware. Presentation title: "Antenatal Risks, Cytokines and Atopic Disease"
- 07/05/2006 Invited speaker: Combined Family Medicine and Pediatric Grand Rounds, Thomas Jefferson University, Philadelphia, PA. Presentation title: "Immunization Education Program 2006"
- 03/20/2007 Invited speaker: Pediatric Grand Rounds, Einstein Medical Center, Philadelphia, PA. "Antenatal Risk Factors, Cytokines and Atopic Disease in Early Childhood"
- 03/22/2007 Invited speaker: Racism and Medicine Panel, Introduction to Clinical Medicine, Jefferson Medical College, Philadelphia, PA
- 06/07/2007 Guest speaker: WURD, 900 AM radio, Barbershop Talk Show: Breastfeeding

- 10/03/2007 Invited speaker: Combined Family Medicine and Pediatric Grand Rounds, Thomas Jefferson University, Philadelphia, PA. Presentation title: “Breastfeeding: Turning Disadvantage into New Opportunities for Change”
- 10/09/2007 Invited speaker: Hot Topics: Tools to Help Your Patients and Your Community” sponsored by the PA Chapter of the AAP, the Philadelphia Pediatric Society, and the University of Pittsburgh; meeting held at The College of Physicians of Philadelphia, Philadelphia, PA. Presentation title: “Breastfeeding Resources”
- 02/13/2008 Invited speaker: AtlantiCare Regional Medical Center's Pediatric Lecture Series, Atlantic City, NJ. Presentation title: “Hepatitis B Virus Update”
- 03/06/2008 Invited speaker: OB/Gyn Grand Rounds, Northeastern Hospital, Philadelphia, PA. Presentation title: “Breastfeeding: Turning Disadvantage into New Opportunities for Change”
- 03/25/2008 Invited speaker: OB/Gyn Grand Rounds, Drexel University, Philadelphia, PA. Presentation title: “Breastfeeding Advocacy: Have We Lost Sight of the Golden Rule?”
- 08/05/2008 Invited speaker: Grand Rounds, School of Nursing, University of Pennsylvania, Philadelphia, PA. Presentation title: “The Impact of the Workplace on Breastfeeding: Barriers and Solutions”
- 08/22/2008 Invited speaker: Grand Rounds, St. Christopher’s Hospital for Children, Philadelphia, PA. Presentation title: “The Pediatrician’s Role in Supporting and Promoting Breastfeeding”
- 09/2008 Moderator: “The Breastfeeding-Friendly Business Awards Ceremony”, The College of Physicians of Philadelphia, Philadelphia, PA
- 10/24/2008 Invited speaker: “General Pediatrics Panel,” PA AAP Resident Career Day, Thomas Jefferson University, Philadelphia, PA
- 04/15/2009 Invited speaker: Pediatric Grand Rounds, Monmouth Hospital, New Jersey. Presentation title: “A Child Advocate’s View on Breastfeeding”
- 04/29/2009 Invited speaker: Oral and written testimony on the WIC program, Philadelphia, PA. Presentation title: “The Pennsylvania WIC Program Has Helped Needy Children To Thrive and Is Essential For Low-Income Families”
- 05/13/2009 Invited speaker: Pediatric Grand Rounds, Cooper University Hospital, New Jersey. Presentation title: “Making Child Advocacy Part of Your Daily Routine”
- 05/28/2009 Invited speaker: Expert oral and written testimony, Maternal and Child Health Services and the Title V Block Grant Public Meeting. St. Christopher’s Hospital for Children, Philadelphia, PA.
- 05/28/2009 Invited speaker: Seminars, South Jersey Health System, New Jersey. Presentation titles: “Beyond Personal Preference: The Courage to Do What is Right” and “Practical Facts about Breastfeeding: Changing Guidelines with Changing Times”
- 10/06/2009 Invited speaker: “General Pediatrics Panel,” PA AAP Resident Career Day, duPont Hospital for Children, Wilmington, Delaware
- 11/07/2009 Invited speaker: Expert oral and written testimony, Healthy People 2020 Public Meeting, Thomas Jefferson University, Philadelphia, PA.

- 01/28/2010 Invited speaker: PRO-LC, Bryn Mawr Hospital, Pennsylvania. Presentation title: "Raising the Bar while Leveling the Playing Field"
- 02/19/2010 Invited speaker: Channel 513 News, Philadelphia, PA, on Childhood Obesity following First Lady Michelle Obama's visit to Philadelphia.
- 02/22/2010 Invited lecturer: School of Population Health, TJU, Philadelphia, PA. Presentation title: "Preventing Childhood Disease: Case Examples of the Impact of Advocacy and Policy"
- 03/16/2010 Invited platform and panel speaker "Paving the Way to Academic Success in Medicine: Paradigm to Partnerships," Thomas Jefferson University, Philadelphia, PA
- 04/16/2010 Invited speaker: Pediatric Grand Rounds, Nanticoke Memorial Hospital, Seaford, Delaware. Presentation title: "Social Determinants of Child Health"
- 04/19/2010 Invited speaker: Grand Rounds and Noon Conference, Williamsport Hospital, Williamsport, PA. Presentation titles, respectively: "Clinical Strategies to Promote Breastfeeding" and "Medical Issues Related to Breastfeeding"
- 05/2010 Invited moderator: Let's Talk Teleconference, PA Chapter of the AAP, the Philadelphia Pediatric Society, and the University of Pittsburgh; Media, PA. Presentation title: "Work and Breastfeeding: Are They Compatible?"
- 05/12/2010 Invited speaker: Channel 513 News, Philadelphia, PA, on Food Allergy, Vitamins and Marketing Food to Children.
- 06/15/2010 Invited lecturer: School of Population Health, TJU, Philadelphia, PA. Presentation title: "Immunizations: The Public Health Impact"
- 08/2010 Invited speaker: Expert Testimony, EPA Hearing, Philadelphia, PA. Presentation title: "Environmental Protection Agency Public Hearing on the Transport Rule"
- 09/23/2010 Invited speaker: CBS Channel 3 News. Phone Bank with the PA AAP; and on Food Shopping
- 11/02/2010 Invited speaker: "General Pediatrics Panel," PA AAP Resident Career Day, duPont Hospital for Children, Wilmington, Delaware
- 11/29/2010 Invited speaker: Channel 513 News on Probiotic Use in Infants and Children.
- 12/21/2010 Invited speaker: Pediatric Grand Rounds, Einstein Hospital, Philadelphia, PA. Presentation title: "Practical Aspects of Promoting and Supporting Breastfeeding: Beyond Breast is Best"
- 01/20/2011 Invited speaker: Penn Family Care, Philadelphia, PA. Presentation title: "Immunization Updates"
- 02/08/2011 Invited lecturer: School of Population Health, TJU, Philadelphia, PA. Presentation title: "Maternal and Child Health Introduction – Immunizations as a Case Study"
- 02/25/2011 Invited speaker: Pennsylvania Council of Children, Youth and Family Services, Philadelphia, PA. Presentation title: "Healthcare Needs of Infants and Toddlers: What Child Welfare Workers Should Know"
- 03/18/2011 Invited speaker: Grand Rounds and Noon Conference, Williamsport Hospital, Williamsport, PA. Presentation titles, respectively: "Childhood Obesity: Associated Risk Factors and Social Determinants" and "Approach to Prevention and Treatment of Childhood Obesity."

- 05/20/2011 Invited speaker: Nursing Conference, TJUH, Philadelphia, PA. Presentation title: "Breastfeeding and the Workplace"
- 06/09/2011 Invited speaker: Conference - Breastfeeding Issues of Our Next Generation, TJU, Philadelphia, PA. Presentation title: "Breastfeeding Mothers and Returning to Work"
- 10/05/2011 Invited speaker: Executive Committee of the Delaware Chapter of the AAP, Wilmington, DE. Presentation title: "JeffSTARS Advocacy Curriculum"
- 10/18/2011 Invited speaker: "General Pediatrics Discussion Panel," PA AAP Resident Career Day, A.I. duPont Hospital for Children, Wilmington, DE
- 10/23/2011 Invited speaker: Keynote Speech, The Soul of Medicine Brunch, Philadelphia Physicians for Social Responsibility, Philadelphia, PA. Presentation title: "Being a Physician: Not for the Faint of Heart"
- 12/2011 Invited speaker in video on BabyCenter.org. Presentation title: "How to Reduce Your Baby's Risk of SIDS"
- 01/31/2012 Invited speaker: Panel of Physicians, FUNCTIONAL Student Group, Philadelphia, PA. Presentation title: "But I'm Just a Med Student - How to Be an Effective Advocate"
- 02/25/2012 Invited speaker: American Women's Medical Association Region 3 Conference, Jefferson Medical College, Philadelphia, PA. Presentation title: "What's Next? Choosing a Residency and What You Can do Now to Prepare"
- 03/21/2012 Invited speaker: CHOP Care Network, Doylestown, PA. Presentation title: "Breastfeeding: Beyond the Newborn Nursery"
- 03/29/2012 Invited speaker: Obstetrics and Gynecology Grand Rounds, Thomas Jefferson University Hospital, Philadelphia, PA. Presentation title: "Group B Streptococcus: Screening and Early Onset Disease Prevention"
- 09/11/2012 Invited speaker: The 2nd Annual Delaware Breastfeeding Symposium, Christiana Care, Newark, DE. Presentation title: "Hospitals and Breastfeeding: Cultural Change through Team Building"
- 03/21/2013 Invited speaker: JeffYES, Jefferson Medical College, Philadelphia, PA. Presentation title: "Adolescent Issues and Advocacy"
- 04/26/2013 Invited speaker: Grand Rounds, St. Christopher's Hospital for Children, Philadelphia, PA. Presentation title: "EPIC-BEST – Breastfeeding Advocacy"
- 04/30/2013 Invited speaker: PA AAP Legislative Advocacy Day for Residents, Harrisburg, PA. Presentation title: "A Tour of AAP Advocacy Resources– 'Ask Not What You Can Do For The AAP but What The AAP Can Do For You'"
- 07/08/2013 Invited speaker: Noon Conference, St. Christopher's Hospital for Children, Philadelphia, PA. "Legislative Advocacy and Meeting with Your Legislators"
- 09/25/2013 Invited speaker: Jefferson Pediatrics Society, Philadelphia, PA. Presentation title: "Why and How I Became a Pediatrician"
- 09/30/2013 Invited speaker: "MD/MPH Physician Leadership panel" Jefferson College within a College – Population Health, Philadelphia, PA
- 04/25/2014 Invited speaker: PA AAP Medical Home Initiative, Grantville, PA. Presentation title: "The Relationship between Breastfeeding and Childhood Obesity: What Does the Evidence Show?"

- 04/29/2014 Invited speaker: Jefferson Preventative Medicine Society, Philadelphia, PA.
Presentation title: "Demystifying Vaccines"
- 08/12/2014 Invited speaker: Radio Times with Marty Moss-Coane. WHYY. "Encouraging Mothers to Breastfeed"
- 09/30/2014 Invited speaker: "General Pediatrics Discussion Panel," PA AAP Resident Career Day, duPont Hospital for Children, Wilmington, Delaware
- 10/29/2014 Invited speaker: Jefferson Preventative Medicine Society, Philadelphia, PA.
Presentation title: "Demystifying Vaccines"
- 05/4/2015 Invited speaker: MATER, Philadelphia, PA. Presentation title: "Understanding ACES (Adverse Childhood Experiences) and Being Trauma-Informed"
- 06/17/2015 Invited speaker: Pediatric Grand Rounds, A.I. DuPont Hospital for Children, Wilmington, DE. Presentation title: "The JeffSTARS Advocacy Curriculum"
- 09/29/2015 Invited moderator: "General Pediatrics Discussion Panel," PA AAP Resident Career Day, duPont Hospital for Children, Wilmington, DE
- 05/11/2016 Invited mentor, lunchtime mentoring session, Academic Pediatric Association Regional Meeting for Regions 2 and 3, New York, NY
- 05/15/2016 Invited speaker: PA AAP Legislative Advocacy Day, Harrisburg, PA.
Presentation title: "A Tour of AAP Advocacy Resources— "Ask Not What You Can Do For The AAP but What The AAP Can Do For You"
- 08/12/2016 Invited speaker: Grand Rounds, Williamsport Hospital, Williamsport, PA.
Presentation title: "It's Not Just Weed If You Breastfeed: Overcoming the Naturalistic Fallacy"
- 11/16/2016 Invited speaker: 15th Annual Regional Perinatal Public Health Conference, Tarrytown, NY. Presentation title: "Marijuana and the Developing Brain: Time to Shake Up the Pot"
- 03/24/2017 Invited mentor, lunchtime mentoring session, Academic Pediatric Association Regional Meeting for Regions 2 and 3, New York, NY
- 05/24/2017 Invited speaker: Medication and Breastfeeding Panel Keystone 10: Pennsylvania Breastfeeding Summit, Camp Hill, PA. Presentation title: "Risks of Marijuana and Breastfeeding"
- 08/01-02/2017 Invited speaker: Jefferson Nursing Education Series for World Breastfeeding Week, Philadelphia, PA. Presentation title: "Marijuana and Breastfeeding: Time to Shake Up the Pot"
- 09/2017 Invited speaker: The Philadelphia Health Commissioner's Press Hearing on Safe Sleep, Expert Testimony, City Hall, Philadelphia, PA.
- 10/18/2017 Invited speaker: Expert Panel: "Safe Sleep Advocacy: The Role of Birthing Hospitals and Pediatricians", Grand Rounds, College of Physicians of Philadelphia, Philadelphia, PA. Presentation title: "Preventing Sleep-Related Deaths, a Leading Cause of Post-Neonatal Mortality"
- 01/27/2018 Invited speaker: The 2018 Regional Humanism in Medicine Conference, Gold Humanism Honor Society, Philadelphia, PA. Presentation title: "Advocacy Means Action: Compassionate Care in Epidemics"
- 01/31/2018 Invited speaker: "Women in Global Medicine Panel", Global Brigades and AMWA, Jefferson Chapters, Philadelphia, PA.
- 04/06/2018 Invited speaker: Opening Address for the conference, "Marijuana, Pregnancy & Breastfeeding in the 21st Century," Delaware Chapter of the American

- Academy of Pediatrics, Wilmington Hospital, Wilmington, DE. Presentation title: “Marijuana & Breastfeeding: Time to Shake Up the Pot”
- 04/27/2018 Invited speaker and moderator: Legislative Advocacy Day, Pennsylvania Chapter of the AAP, Moderator, Harrisburg, PA
- 06/13/2018 Invited speaker: Master of Public Health Class, Thomas Jefferson University, Philadelphia, PA. Presentation title: “Global Child Mortality and the Impact of Breastfeeding Advocacy”
- 07/12/2018 Invited speaker: Interdisciplinary Health Disparities Research Internship, Thomas Jefferson University, Philadelphia, PA. Presentation title: “Health Disparities in Early Childhood Development”
- 08/08/2019 Invited speaker: Emergency Medicine Resident Education session, University of Washington, Seattle, WA. Presentation title: “Normal Newborns, Vaccines, and Milestones”
- 08/15/2019 Invited speaker: Clallam County, WA. Presentation titles: 1. “Legal Does Not Mean Safe: What Every Clinician Should Know about Marijuana” and 2. “What’s Behind the Smoke Screen? Tobacco Effects in Adolescence and Pregnancy”
- 10/30/2019 Invited speaker: Seattle Children’s Hospital Regional Retreat, Seattle, WA. Presentation title: “The Health Risks of Perinatal Marijuana Use: Are You Having the Conversation?”
- 06/20/2020 Invited speaker: Seattle Children’s Hospital Provider Grand Rounds, Seattle, WA. Presentation title: “Disparities in Breastfeeding: Beyond Raising Awareness.”
- 01/29/2021 Invited panelist: Let’s Talk About COVID-19 Vaccine and Pregnancy (and Lactation), UW Medicine and Right as Rain, Seattle, WA. Available at: <https://www.youtube.com/watch?v=WaPSqL4afNU> (min. 31-40)

19. OTHER EMPLOYMENT

None